

 **National® Brand**

COMPUTATION NOTEBOOK

Department Exp. 10015

Subject Proton radioactivity of ^{73}Rb

Name _____

Address RUN 1 - RUN 502

43-648

75 Sheets, 4 x 4 Quad., 11 3/4" x 9 1/4"

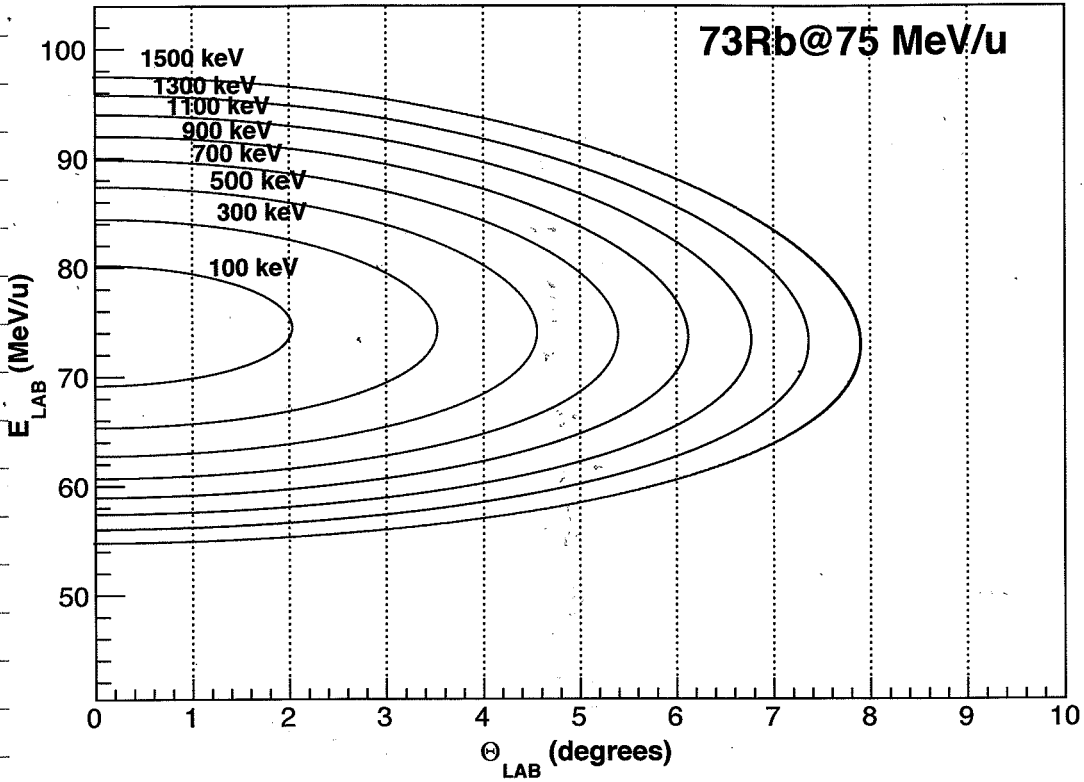


0 73333 43648 8

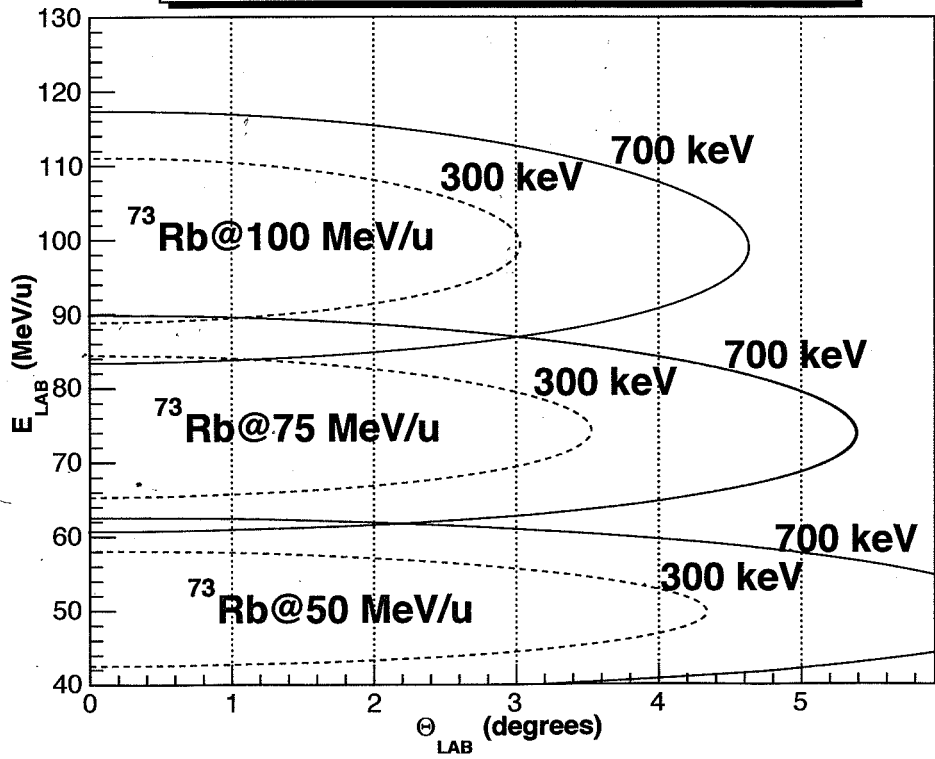
Rediform Inc. • Coppell, TX 75019

Made in Mexico

73Rb proton kinematics



Proton decay angle for 100 and 75 MeV/u 73Rb



- "Good" HiRA Teles: 1, 4, 5, 9, 13, 14

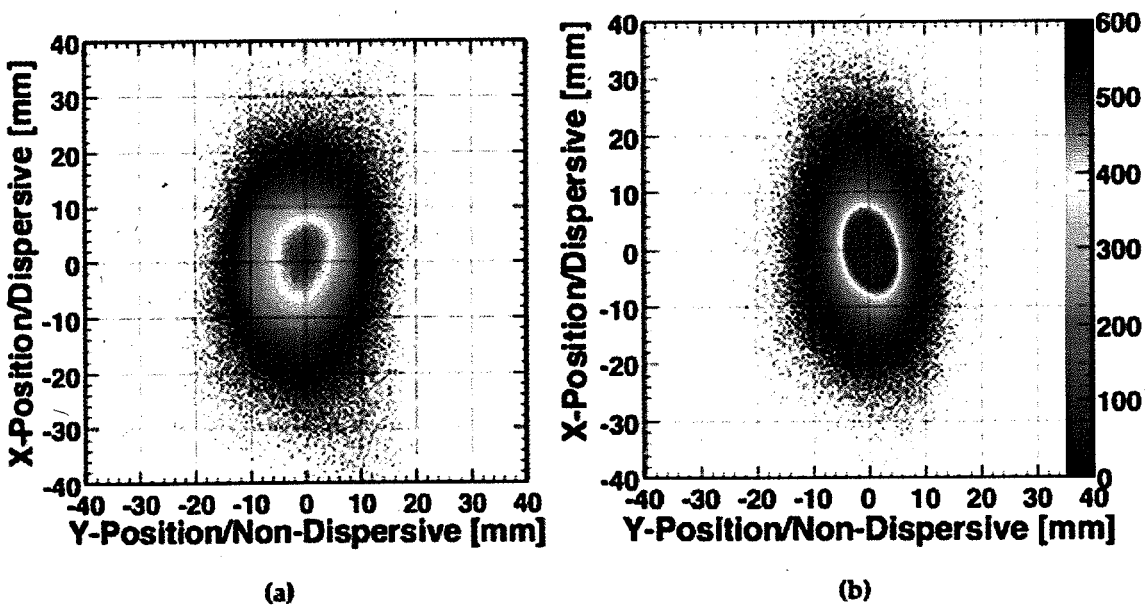
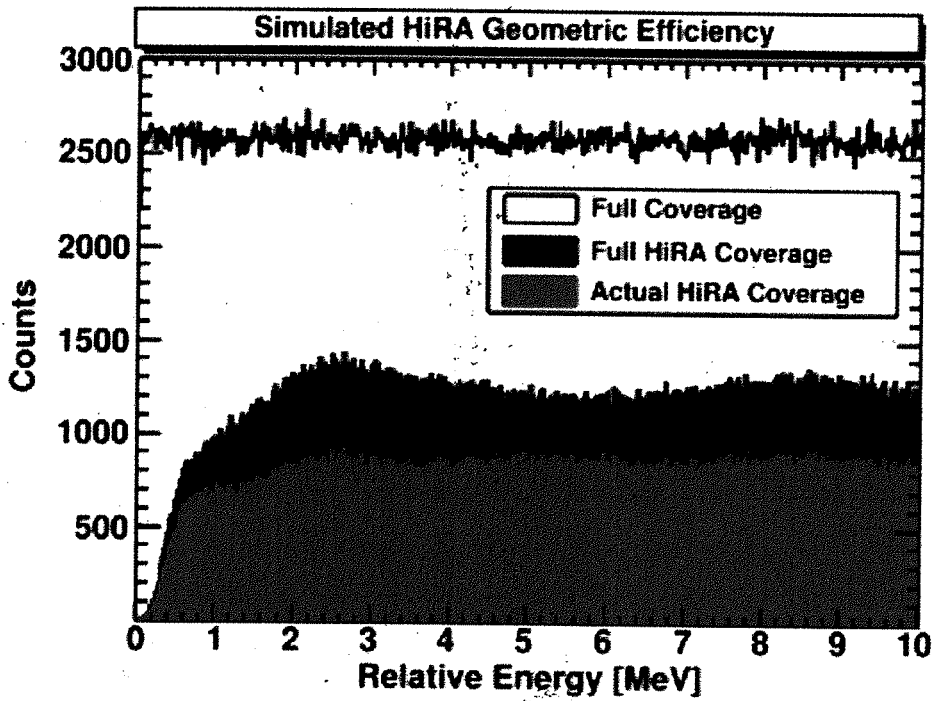


Figure 3.23 - Beam spots at (a) MCP 0 and (b) MCP 1.

MCP plate replacement

10/10/2014

- UMass Lowell new Photonis plates.
- Replacing plates in MCP

(1st) Top: 1813-02-14

(2nd) Bottom: 1813-02-27

Anode is very discolored.

HIRA Tele rebonding

0-31

| | | |
|-------------------|----|-----------------------------------|
| 2393-14B | E | F 2, 3, 4, 7 (27, 28, 29)? B ? |
| 2260-7 | ΔE | F 6, 19, 30 |
| 2297-3 | ΔE | F 2, 4, 5, 7, 11, 12 |
| 2266-9 | ΔE | F 5, 7, 9, 21, 22, 23 |

Hira can assembly

| | | | |
|---------------------------------------|-------------|--------------------------------------|-------------------------|
| Tele 3 - bundle d | Tested good | E inserted | |
| Tele 10 - bundle f | Tested good | E inserted | |
| Tele X18 - bundle K | Tested good | E inserted | |
| Tele 0 - bundle g | Tested good | E inserted | |
| Tele 8 - bundle i | Tested good | E inserted | |
| Tele 15 - bundle m | Tested good | E inserted NEW E inserted | 2942-23 |
| Tele 7 - bundle h | Tested good | E inserted | |
| Tele 18 - bundle K | | | |
| Tele 4 - bundle ^h n | Tested good | 2113-5 E inserted | |
| Tele 2 → cable broken (#0) | bundle n | E inserted | |
| Tele 6 - bundle j | Tested good | E inserted | holes not tapped ↓ |
| Tele 17 - bundle b | Tested good | E inserted | |
| Tele 12 - bundle l | Tested good | E inserted | |
| Tele 19 - bundle c | Tested good | E inserted | used 2277-10 |
| Tele 16 - bundle e | | 2942-23 inserted | 2883-11 |

Telescopes not used in el0000

S = E included (no DE)

| | |
|--|---|
| 1 (S _i + C _{sI}) + DE | 14 (S _i + C _{sI}) + DE |
| 5 (S _i + C _{sI}) | 9 (S _i + C _{sI}) + DE |
| 13 (S _i + C _{sI}) | 4 (C _{sI}) |

10/15/14 Si E position and voltage in formation

| | <u>Tele</u> | <u>Pos</u> | <u>Si</u> | <u>V (V.H)</u> | <u>I (AA)</u> |
|-------|-------------|------------|-----------|----------------|---------------|
| 8 3 7 | 4 | | 2113-5 | 450 | 1.8 |
| 2 6 5 | 15 | | 2883-11 | 310 | — |
| 1 1 1 | 18 | | 2572-3 | 220 | 1.8 |
| 4 8 | 10 | | 2883-10 | 340 | — |
| 3 2 2 | 8 | | 2572-4 | 265 | 2.08 |
| 5 7 3 | 2 | | 2085-6 | 310 | 1.02 |
| 7 0 0 | 3 | | 2085-7b | 395 | 1.64 |
| 6 9 | 7 | | 2758-2 | 320 | |
| | 17 | | 2085-11 | 300 | 3.1 |
| | 16 | | 2942-23 | | |

10/

MB Configuration

| | | | | | | | | | | |
|-------|-------|-------|-------|---------------------------|-------|-------|-------|-------|-------|-------|
| MB# 2 | 2 | 3 | 5 | 6 | 8 | 9 | 11 | 12 | 14 | 15 |
| Slot | 15 | 14 | 12 | 11 | 9 | 8 | 6 | 5 | 3 | 2 |
| CB | 3-079 | 3-080 | 3-079 | 2-063 2-025 | 2-063 | 2-029 | 2-073 | 2-031 | 2-064 | 2-024 |

| | | | | | | | | | | |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| MB# 1 | 2 | 3 | 5 | 6 | 8 | 9 | 11 | 12 | 14 | 15 |
| Slot | 15 | 14 | 12 | 11 | 9 | 8 | 6 | 5 | 3 | 2 |
| CB | 2-042 | 2-033 | 2-073 | 2-026 | 3-075 | 2-036 | 3-033 | 2-020 | 2-039 | 2-035 |

| | | | | | | | | | | |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| MB# 3 | 15 | 14 | 12 | 11 | 9 | 8 | 6 | 5 | 3 | 2 |
| Slot | | | | | | | | | | |
| CB | 2-038 | 3-100 | 2-036 | 2-040 | 2-051 | 2-062 | 2-085 | 2-088 | 2-061 | 2-058 |

| | | | | | | | | | | | | | | |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| MB# 4 | 16 | 15 | 13 | 12 | 11 | 10 | 9 | 8 | 7 | 6 | 5 | 4 | 2 | 1 |
| Slot | | | | | | | | | | | | | | |
| CB | 3-082 | 2-070 | 2-067 | 2-044 | 2-055 | 2-023 | 2-059 | 2-061 | 2-043 | 2-028 | 3-084 | 2-022 | 2-054 | 2-068 |

MB# 5
Slot
CB

~~It became apparent that the chip boards were not placed in a good order for the cables. So the chip boards for the 'E's' were removed and reordered.~~

New Motherboard ordering

MB1 - ~~MB1~~ ~~MB1~~

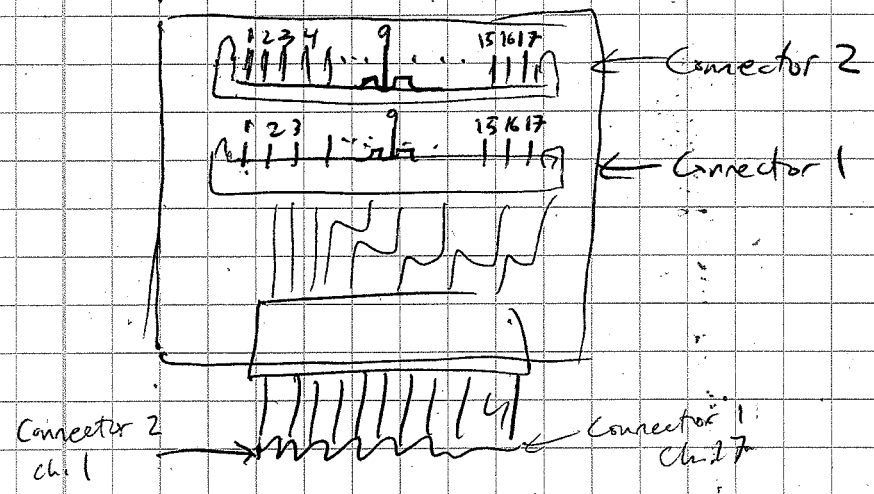
| | | | | | | | | | | |
|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Slot | 15 | 14 | 12 | 11 | 9 | 8 | 6 | 5 | 3 | 2 |
| CB | 3-080 | 3-079 | 2-028 | 3-078 | 2-029 | 2-023 | 2-031 | 2-027 | 2-024 | 2-064 |

MB2

| | | | | | | | | | | |
|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Slot | 15 | 14 | 12 | 11 | 9 | 8 | 6 | 5 | 3 | 2 |
| CB | 2-033 | 2-072 | 2-006 | 2-073 | 2-026 | 3-075 | 2-020 | 3-083 | 2-035 | 2-039 |

Pre-Amp Testing

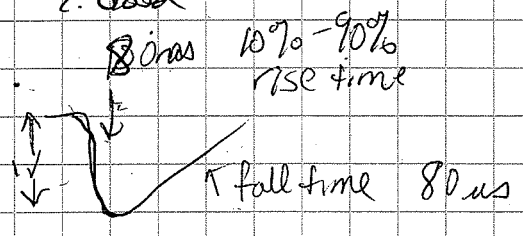
10/02/2014



- | | |
|--|--------------------------------------|
| Preamp 0, Connector 1: All good | PA 10, Conn. 1: Good |
| 2: 1, 2, BAD , Grounded | PA 10, Conn. 2: Good |
| PA 1, Connector 1: All good Good | PA 11, Conn. 1: Good |
| 2: Good 1, 2, 12 Bad | Conn 2: Good |
| PA 2, Connector 1: All good | PA 12, Conn. 1: Good Good |
| 2: Good | Conn 2: Good |
| PA 3, Connector 1: Good | PA 13, Conn. 1: Good |
| 2: Good | Conn 2: Good |
| PA 4, Connector 1: Good | PA 14, Conn. 1: Good |
| 2: Good | Conn 2: Good |
| PA 5, Connector 1: Good | PA 15, Conn. 1: Good |
| 2: Good | Conn 2: Good |
| PA 6, Connector 1: Good | PA 16, Conn. 1: Good |
| 2: Good | Conn 2: Good |
| PA 7, Connector 1: Good | PA 17, Conn. 1: Good |
| 2: Good | 2: Good |
| PA 8, Connector 1: Good | PA 18, Conn. 1: Good |
| 2: Good | Conn 2: Good |
| PA 9, Connector 1: Good | PA 19, Conn. 1: Good |
| 2: Good | 2: Good |

10/20/2014

channel 4 typical



Problems 2
 Connector 1
 $V = 700 mV$
 rise - 80 us
 fall 10 us
 12
 Connector 2
 $V = 500 mV$ \checkmark Small
 rise and fall
 hook ok
 baseline unstable

Pulsar Setting: (w/ EB plugged in)

10 V @ 5x attenuation \rightarrow 185 mV in scope

PA: 25 ~~mV~~ / MeV

\rightarrow 7.4 MeV

Noise: \sim 5 mV \rightarrow \sim 200 keV

w/ Shapers 50x Cores 1x Fine

\rightarrow 8.1 V

Noise: \sim 100 mV \rightarrow \sim 100 keV

Note: w/ EF plugged in instead, noise
is a little better (\sim 2x)

HIRA Si Testing

T0

~~2260-4~~

2085-8

T3

~~2260-7~~

2085-7b

T6

~~2260-5~~

2113-3

T7

~~2797-3~~

2758-2

T8

~~2797-8~~

2572-4

T10

~~2797-1~~

2883-10

T18

~~2572-3~~

2572-3

T15

2883-11

T4
Z113-5

HIRA S. Testing

TO 2085-8

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| EF | 29 | 27 | 25 | 23 | 21 | 19 | 17 | 15 | 13 | 11 | 9 | 7 | 5 | 3 | 1 | 2 | 4 | 6 | 8 | 10 | 12 | 14 | 16 | 18 | 20 | 22 | 24 | 26 | 28 | 30 | 32 |
| 31 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 |

large peak: ~6V small peak: ~1.6V

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| EB | 29 | 27 | 25 | 23 | 21 | 19 | 17 | 15 | 13 | 11 | 9 | 7 | 5 | 3 | 1 | 2 | 4 | 6 | 8 | 10 | 12 | 14 | 16 | 18 | 20 | 22 | 24 | 26 | 28 | 30 | 32 |
| 31 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 |

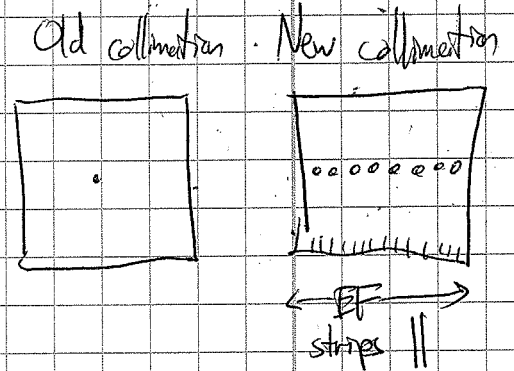
large peak: ~6V small peak: ~2V

We only expect to see one peak from the source (²⁴¹Am), yet we see two. On many of broken channels on back, we see this smaller peak but not the large one.

Changed collimation of source. From Al foil w/ hole to copper collimator w/ Cu tape covering every thing but one strip of holes.

Rough pump start: 11:10
 TMP start: 11:13
 TMP full speed: 11:15
 11:27
 11:39
 2:15

8.10⁻⁴ Torr
 1.10⁻⁴ Torr
 5.80⁻⁵ Torr
 2.10⁻⁵ Torr



| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| EF | 29 | 27 | 25 | 23 | 21 | 19 | 17 | 15 | 13 | 11 | 9 | 7 | 5 | 3 | 1 | 2 | 4 | 6 | 8 | 10 | 12 | 14 | 16 | 18 | 20 | 22 | 24 | 26 | 28 | 30 | 32 |
| 31 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| BF | 29 | 27 | 25 | 23 | 21 | 19 | 17 | 15 | 13 | 11 | 9 | 7 | 5 | 3 | 1 | 2 | 4 | 6 | 8 | 10 | 12 | 14 | 16 | 18 | 20 | 22 | 24 | 26 | 28 | 30 | 32 |
| 31 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 |

2.75 cm 2.75 cm

Source is at center of detector at ~2.75 cm

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| BF | 31 | 29 | 27 | 25 | 23 | 21 | 19 | 17 | 15 | 13 | 11 | 9 | 7 | 5 | 3 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | |
| # on splitter | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 |

5.5cm (MAX) 4.25cm 2.75 1.25 cm 0.0 5.5cm (MAX) 4.25cm 2.75 1.25 0.0

EF

T3

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|---|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | |
| ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |

EB

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 |
| ✗ | ✗ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |

EF: Only one peak consistently visible (at about 5V)

EB: One consistent peak (~5V) and less common smaller peaks w/ varying height

→ T3: 2 bad strips (2 EB, 0 EF)

T6

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 |
| ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |

EB

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 |
| ✓ | ✓ | ✓ | ✗ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✗ | ✗ | ✗ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |

EF: One peak, ~5V

EB: Main peak, 3V, less common smaller peaks

Note: Both FcB have occasional smaller peaks, but much ~~more~~ more in B (~1/3 rather than 1/10). Also, number of small peaks seems to increase w/ increasing angle from source to strip.

T6: 4 bad strips (4 EB, 0 EF)

EF

T7

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 |
| ✓ | ✓ | ✓ | ✓ | ✗ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |

EB

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 |
| ✓ | ✓ | ✓ | ✓ | ✗ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✗ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✗ | ✓ | ✓ | ✓ |

EF: 3V

EB: 4V

T7: 4 bad strips (3 EB, 1 EF)

I think differences in peak size are due to the slopes. When I look at the PA signal, it's consistently ~140 mV.

T8 EF

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | | |
| ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|---|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | |
| ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |

Signal size: ~140 mV

T8: 0 bad strips

EF

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|---|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | |
| ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|---|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | |
| ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |

Signal size: ~140 mV

T10: 0 bad strips

T18 EF

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|---|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | |
| ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|---|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | |
| ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |

Signal size: ~140 mV

T18: 0 bad strips

T15

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|---|---|
| EF | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | | |
| | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| EB | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | | |
| | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |

Signal size ~ 140 mV

T15: 0 bad strips

T4

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|---|---|
| EF | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | | |
| | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| EB | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | | |
| | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |

↑
slightly noisy

↑

slightly noisy

Signal size ~ 140 mV

T4: 0 bad strips

T2

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|---|---|
| EF | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | | |
| | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| EB | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | | |
| | ✗ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | |

T2: ~~T4~~: 1 bad strip (1 EB, 0 EF)

T16 High LC: 3.26 μ A (Mean: 2.85 μ A)

EF

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 ~~32~~

EB

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32

Note: IG behaving strangely. Pressure @ TMP full speed: $2 \cdot 10^{-7}$ Torr, after 30 min, $1 \cdot 10^{-7}$ Torr

T19 HUGE LC: 4.46 μ A

EF

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32

EB

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32

T4 LC: 1.91 μ A

EF

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32

EB

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32

Patch panel delay times (one-way from Data-U to bins in pit)

| <u>Cable label</u> | <u>Panel label</u> | <u>Delay time (ns)</u> | |
|--------------------|--------------------|------------------------|------------|
| 0 | 100 | 350 | CDP |
| 1 | 101 | 355 | 10-18-2014 |
| 2 | 102 | 350 | |
| 3 | 103 | 355 | |
| 4 | 104 | 355 | |
| 5 | 105 | 355 | |
| 6 | 106 | 360 | |
| 7 | 107 | 355 | |
| (none) (extra) | 108 | 360 | |
| (none) (extra) | 109 | 355 | |
| (none) (extra) | 110 | 360 | |

10/18/2014 Added WME modules

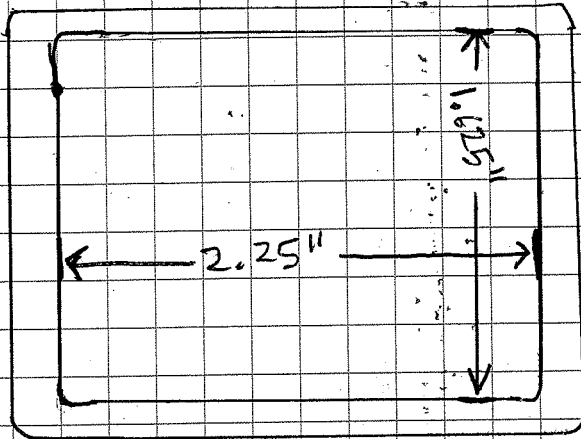
| | | |
|---------|--------|------|
| Slot 11 | V785 | 6666 |
| Slot 12 | V785 | DDDD |
| Slot 14 | V1190A | EEEE |
| Slot 19 | V830 | 4444 |

10/18/2014 8:20 PM

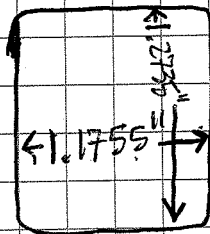
Run 16

Alpha data on MBB, Tele 3, 4 are underbiased.

Target ladder mount dimensions



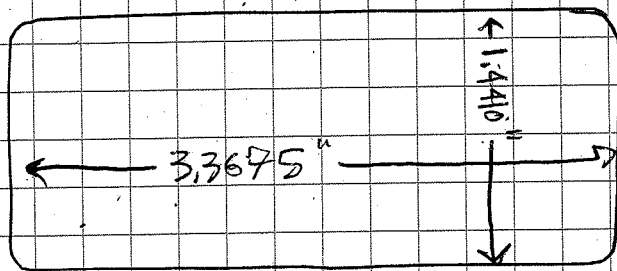
Target shield hole



$$1.1755" \approx 30.0 \text{ mm}$$

$$1.2735" \approx 32.5 \text{ mm}$$

Target dimensions



Run 17 ^S Pulsar data (Test)

10/19/19 Only CB7 of MBI.

7:55 PM

Buffer has energy at $\sim 1/f$ or $8/f$ ch
 ~ 2 mins @ 5 Hz pulser

Run 18 CsI Riser Test

~~Minis of each bank of pulser~~

Run 19 CsI Pulsar Test

veto 1, 2: one bad CsI (bad shaper?)

Run 20 MB2 Pulsar Test

• from buffer: energy $\sim 1/f$... zeroes?

Run 21 MBI Pulsar Test

• energy still backwards! Pulsed at: 0.5, 1.0, 2.0 V

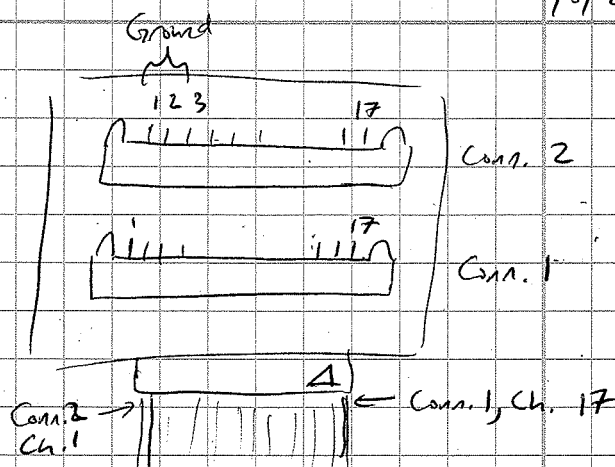
Run 22 Junk

Run 23 MB 2 Pulsar Test

Run 24 Alpha test

PA Channel map

10/20/2014



| Conn. | Ch. | Board # |
|-------------|-----|---------|
| Conn. 2 | 1 | X |
| | 2 | X |
| | 3 | A1 |
| | 4 | A2 |
| | 5 | A3 |
| | 6 | A4 |
| | 7 | A5 |
| | 8 | A6 |
| | 9 | A7 |
| Conn. 2, 17 | | A15 |
| Conn. 1 | 1 | A16 |
| | 2 | B1 |
| | 3 | B2 |
| | 4 | B3 |
| | n | B(n-1) |
| | 17 | B16 |

[n, A(n-2)]

Problems

- PA 1 - Conn. 1, Ch. 2 → B1 2174
- Conn. 2, Ch. 12 → A10 2105

target drive Notes

Target { I252-Y
 Viewer is initially at setting = ~~70.5mm~~ ^{70.5mm}, but 2mm offset to the side
 center of plastic ~~is~~ 120.5 mm
 center of 5-hole mask is at 209 mm
 center of gold target is at 233.00

North viewer { I252-Y
 Center viewer, 184.0 mm

Note: When we switch E & T double LEMO cables for MBZ we see reasonable energies. Is this a cabling issue?

We (Kyle & Juan) tested the cables and still see the problem.

Switcher

| Hardware | Comp | Channel |
|----------|------|------------------|
| 1 | 0 | Comp trig |
| 2 | 1 | Comp busy |
| 3 | 2 | MB, OR A (Front) |
| 4 | 3 | MB, OR B (Back) |
| 5 | 4 | MB OR of ORs |
| 6 | 5 | CsI OR of ORs |
| 7 | 6 | AOC Gate |
| 8 | 7 | Raw trig |
| 9 | 8 | Low trig |
| 10 | 9 | |
| 11 | 10 | |
| 12 | 11 | |
| 13 | 12 | |
| 14 | 13 | |
| 15 | 14 | |
| 16 | 15 | |
| 17 | 16 | MB1 CsA |
| 18 | 17 | MB1 Shaper |
| 19 | 17 | MB2 CsA |
| 20 | 19 | MB2 Shaper |
| 21 | 20 | CsI 1 lin |
| 22 | 21 | CsI 1 hog |
| 23 | 22 | CsI 2 lin |
| 24 | 23 | CsI 2 hog |
| 25 | 24 | CsI 3 lin |
| 26 | 25 | CsI 3 hog |
| 27 | 26 | |
| 28 | 27 | |
| 29 | 28 | |
| 30 | 29 | |
| 31 | 30 | |
| 32 | 31 | |

Scalars

| | | |
|---|-----|-----------|
| 0 | Raw | trig |
| 1 | Low | trig |
| 2 | MB1 | EF OR |
| 3 | MB2 | EF OR |
| 4 | MB1 | EB OR |
| 5 | MB2 | EB OR |
| 6 | CsI | 1 OR |
| 7 | CsI | 2 OR |
| 8 | CsI | 3 OR |
| 9 | CsI | OR of ORs |

TEST RUN

25

Run 25

^{16}O ($\sim 70 \text{ MeV/u}$)

Start: 01:33 am

degraded to 5800 FP

- A test beam of ^{16}O developed at \sim same rigidity as upcoming ^{74}Kr beam.
- Tom Ginter tuned primary (degraded) beam to 5800 chamber and on to array viewer; Target viewer was not used due to camera placement issue.
- We took ^{16}O into 5800 FP. 5800 detectors performed reasonably given the light beam and non-optimization of the 5800 detectors.
- There were issues with the DAQ(s)
 - Running with 5800 data source caused crashes.
 - Unable to write 5800 data to disk.
 - 5800 Spectcl/SpectK problems with buffers not being read.

Run Sheet - v1

Fill in shaded boxes, and circle one or more of the options for blue headings

| | | | | | | | |
|----------------|-----------------------|------------------|-------------------------|---------------------|--------------|------------------------|-------|
| Run # | 25 | Date: | 10/24/14 | Start: | 01:33 | Stop: | 01:38 |
| Names: | Juan, Kyle, Andy, Tom | | | | | | |
| Type of run: | Data | S800 Calib | CRDC | <u>S800 sing</u> | HIRA sing | HIRA Calib | |
| Beam: | <u>160</u> | 74Kr | Other: _____ | | | | |
| Trigger: | S800+HIRA coin | Si Singles | CsI Singles | <u>S800 Singles</u> | Other: _____ | | |
| Target: | Viewer | <u>CH2 100um</u> | Empty | Mask / Au | Alpha | Target Drive Position: | |
| Blocker: | <u>out</u> | viewer | Blocker Drive Position: | | mm | mm | |
| S800 | Segment 8 Brho: | | Barney print out? | | yes | no | |
| Slit settings: | wide open | / | mm | Attenuation: | | | |

Comments:

Runs 26, 27 - Junk
 160 (~70 MeV/u) degraded to S800 FP

Run Sheet - v1

Fill in shaded boxes, and circle one or more of the options for blue headings

| | | | | | | | |
|----------------|------------------|------------------|-------------------------|---------------------|--------------|------------------------|------|
| Run # | 28 | Date: | 10/24/14 | Start: | 2:41 | Stop: | 2:42 |
| Names: | Juan, Kyle, Andy | | | | | | |
| Type of run: | Data | S800 Calib | CRDC | <u>S800 sing</u> | HIRA sing | HIRA Calib | |
| Beam: | <u>160</u> | 74Kr | Other: _____ | | | | |
| Trigger: | S800+HIRA coin | Si Singles | CsI Singles | <u>S800 Singles</u> | Other: _____ | | |
| Target: | Viewer | <u>CH2 100um</u> | Empty | Mask / Au | Alpha | Target Drive Position: | |
| Blocker: | <u>out</u> | viewer | Blocker Drive Position: | | mm | mm | |
| S800 | Segment 8 Brho: | | Barney print out? | | yes | no | |
| Slit settings: | wide open | / | mm | Attenuation: | | | |

Comments:

Run 29, 30 junk

Run Sheet - v1

Fill in shaded boxes, and circle one or more of the options for blue headings

| | | | | | | | |
|----------------|-----------------|------------------|-------------------------|--------------|------------------|------------------------|------------|
| Run # | 31 | Date: | 10/24/2014 | Start: | 03:22 | Stop: | |
| Names: | | | | | | | |
| Type of run: | Data | S800 Calib | CRDC | S800 sing | <u>HIRA sing</u> | only CsI | HIRA Calib |
| Beam: | <u>160</u> | 74Kr | Other: _____ | | | | |
| Trigger: | S800+HIRA coin | Si Singles | <u>CsI Singles</u> | S800 Singles | Other: _____ | | |
| Target: | Viewer | <u>CH2 100um</u> | Empty | Mask / Au | Alpha | Target Drive Position: | |
| Blocker: | <u>out</u> | viewer | Blocker Drive Position: | | mm | mm | |
| S800 | Segment 8 Brho: | | Barney print out? | | yes | <u>no</u> | |
| Slit settings: | wide open | / | mm | Attenuation: | | | |

Comments:

Run Sheet - v1

Fill in shaded boxes, and circle one or more of the options for blue headings

| | | | | | | | |
|----------------|-----------------|------------|-------------------------|-------------------|-----------|------------------------|------------|
| Run # | 32 | Date: | 10/24/14 | Start: | | Stop: | |
| Names: | | | | | | | |
| Type of run: | Data | S800 Calib | CRDC | S800 sing | HiRA sing | MBI + CsI | HiRA Calib |
| Beam: | 160 | 74Kr | Other: | | | | |
| Trigger: | S800+HiRA coin | Si Singles | CsI Singles | S800 Singles | Other: | | |
| Target: | Viewer | CH2 100um | Empty | Mask / Au | Alpha | Target Drive Position: | |
| Blocker: | out | viewer | Blocker Drive Position: | | | mm | mm |
| S800 | Segment 8 Brho: | | | Barney print out? | | | |
| | | | | yes | no | | |
| Slit settings: | wide open | / | mm | Attenuation: | | | |

Comments:

Runs 33-35: Junk
36-38: Junk

Runs 39-45: Junk. Chandra triggers, debugging DAQ.

Run Sheet - v1

Fill in shaded boxes, and circle one or more of the options for blue headings

| | | | | | | | |
|---------------------------------|-----------------|------------|-------------------------|-------------------|-----------|------------------------|--------|
| Run # | 46 | Date: | 10/24/14 | Start: | | Stop: | ~8:20 |
| Names: Rachel Juan Betty Jeremy | | | | | | | |
| Type of run: | Data | S800 Calib | CRDC | S800 sing | HiRA sing | HiRA Calib | |
| Beam: | 160 | 74Kr | Other: | | | | |
| Trigger: | S800+HiRA coin | Si Singles | CsI Singles | S800 Singles | Other: | | |
| Target: | Viewer | CH2 100um | Empty | Mask / Au | Alpha | Target Drive Position: | |
| Blocker: | out | viewer | Blocker Drive Position: | | | mm | 233 mm |
| S800 | Segment 8 Brho: | | | Barney print out? | | | |
| | | | | yes | no | | |
| Slit settings: | wide open | / | mm | Attenuation: | | | |

Comments: Only CsI data taken. Debugging HiRA DAQ, seems to work. Attaches to Spectel dc.

~~Runs 47-48: Junk.~~

Run Sheet - v1

Fill in shaded boxes, and circle one or more of the options for blue headings

| | | | | | | | |
|----------------------------|-----------------|------------|-------------------------|-------------------|-----------|------------------------|----|
| Run # | 47 | Date: | | Start: | | Stop: | |
| Names: Rachel Betty Jeremy | | | | | | | |
| Type of run: | Data | S800 Calib | CRDC | S800 sing | HiRA sing | HiRA Calib | |
| Beam: | 160 | 74Kr | Other: | | | | |
| Trigger: | S800+HiRA coin | Si Singles | CsI Singles | S800 Singles | Other: | | |
| Target: | Viewer | CH2 100um | Empty | Mask / Au | Alpha | Target Drive Position: | |
| Blocker: | out | viewer | Blocker Drive Position: | | | mm | mm |
| S800 | Segment 8 Brho: | | | Barney print out? | | | |
| | | | | yes | no | | |
| Slit settings: | wide open | / | mm | Attenuation: | | | |

Comments: Testing HiRA+S800 merge DAQ. End: no timestamp read on HiRA.

Run 48: add timestamp to HiRA in Merge DAQ

Run Sheet - v1

Fill in shaded boxes, and circle one or more of the options for blue headings

| | | | | | | | |
|----------------|--------------------------|------------|-------------------------|--------------------|------------------|------------------------|--|
| Run # | 49 | Date: | 10/24 | Start: | 9:20 | Stop: | |
| Names: | Rachel Juan Betty Jeremy | | | | | | |
| Type of run: | Data | S800 Calib | CRDC | S800 sing | <u>HiRA sing</u> | HiRA Calib | |
| Beam: | <u>160</u> | 74Kr | Other: | | | | |
| Trigger: | S800+HiRA coin | Si Singles | <u>Csl Singles</u> | S800 Singles | Other: | | |
| Target: | Viewer | CH2 100um | Empty | Mask / <u>(Au)</u> | Alpha | Target Drive Position: | |
| Blocker: | out | viewer | Blocker Drive Position: | | mm | mm | |
| S800 | Segment 8 Brho: | | Barney print out? | | yes | no | |
| Slit settings: | wide open | / | mm | Attenuation: | | | |

Comments: Run 49: Junk

Si biased row. ~~Struts~~ Locking for HiRA PID
 Jeremy still debugging S800 DAG
 Runs 50-54 junk

Run Sheet - v1

Fill in shaded boxes, and circle one or more of the options for blue headings

| | | | | | | | |
|----------------|------------------------|------------|-------------------------|--------------------|------------------|------------------------|-------|
| Run # | 55 | Date: | 10/24/14 | Start: | 10:15 | Stop: | 11:14 |
| Names: | Juan Rachel Betty Mylo | | | | | | |
| Type of run: | Data | S800 Calib | CRDC | S800 sing | <u>HiRA sing</u> | HiRA Calib | |
| Beam: | <u>160</u> | 74Kr | Other: | | | | |
| Trigger: | S800+HiRA coin | Si Singles | <u>Csl Singles</u> | S800 Singles | Other: | | |
| Target: | Viewer | CH2 100um | Empty | Mask / <u>(Au)</u> | Alpha | Target Drive Position: | |
| Blocker: | <u>out</u> | viewer | Blocker Drive Position: | | mm | mm | |
| S800 | Segment 8 Brho: | | Barney print out? | | yes | no | |
| Slit settings: | wide open | / | mm | Attenuation: | | | |

Comments:

→ for more beam. Up by ~10. To get more stats.
 45 min into run asked
 Run 56: Junk

Run Sheet - v1

Fill in shaded boxes, and circle one or more of the options for blue headings

| | | | | | | | |
|----------------|--------------------------------|------------|----------------------------------|--------------------|------------------|---------------------------------|----|
| Run # | 57 | Date: | 10/24/14 | Start: | ~12:00 | Stop: | |
| Names: | Juan Andy Rachel Justin Mingbo | | | | | | |
| Type of run: | Data | S800 Calib | CRDC | S800 sing | <u>HIRA sing</u> | HIRA Calib | |
| Beam: | <u>160</u> | 74Kr | Other: _____ | | | | |
| Trigger: | S800+HIRA coin | Si Singles | <u>Csl Singles</u> | S800 Singles | Other: _____ | | |
| Target: | Viewer | CH2 100um | Empty | Mask / <u>(Au)</u> | Alpha | Target Drive Position: _____ mm | |
| Blocker: | <u>out</u> | viewer | Blocker Drive Position: _____ mm | | | mm | |
| S800 | Segment 8 Brho: _____ | | | Barney print out? | | yes | no |
| Slit settings: | wide open | / _____ mm | Attenuation: _____ | | | | |

Comments:

End run to switch cables on HIRA telescopes.

Xamine -- /user/e10015/VMUSB/VMUSBSpecTclS15/win-files/summary10015.win [Modified]

File Window Spectra Options Graph objects Help

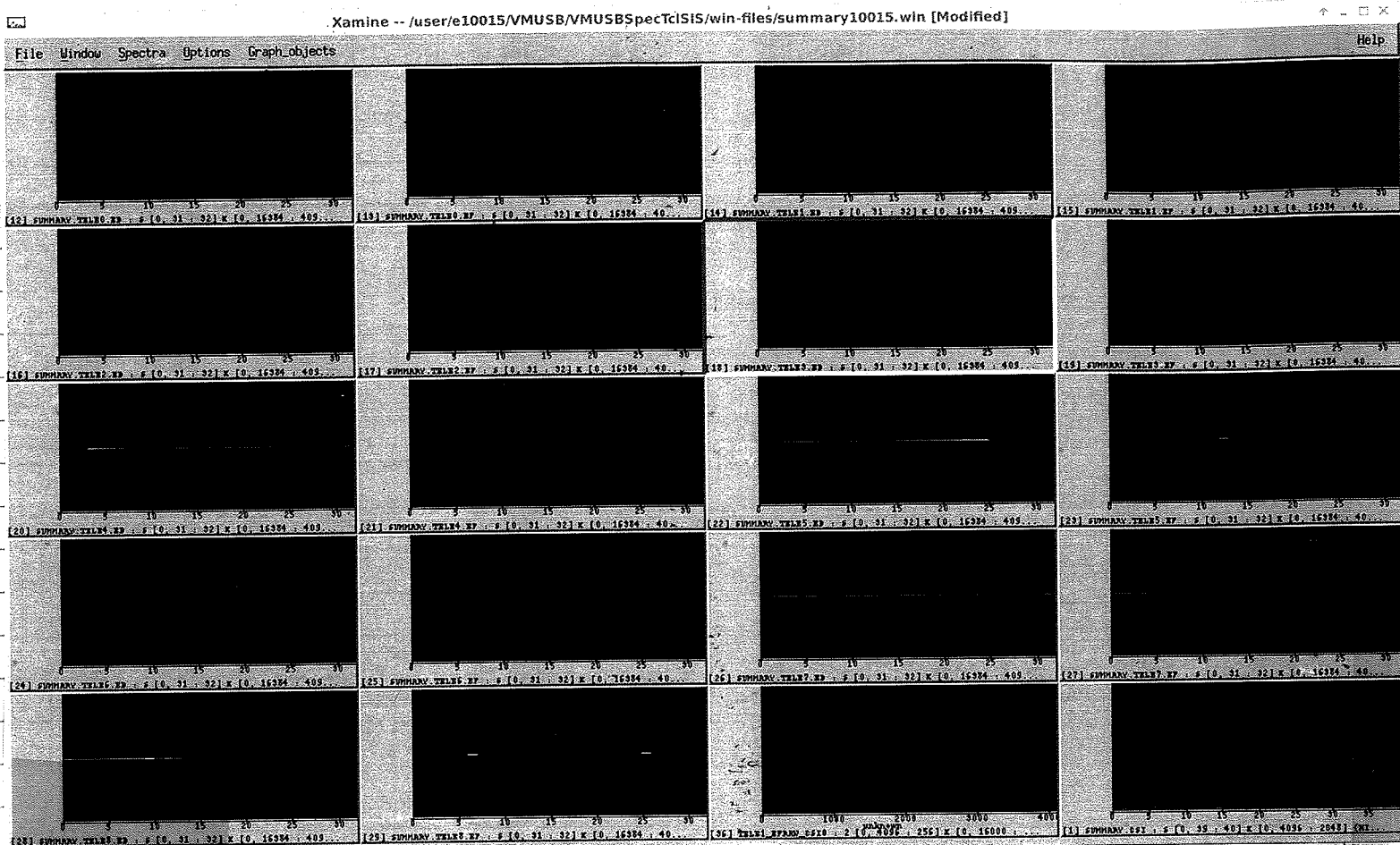
Spectrum 19 X 27.50 Y 15133.70 Counts 0

Geometry Zoom
 Display
 Display

Run 57 10/24
~12 noon

Run 55

10/24/2014 @ 10:30 AM



Run 58: Switch E, true cables for MBZ.
E now showing up in Spectel for telescopes previously missing

Run Sheet - v1

Fill in shaded boxes, and circle one or more of the options for blue headings

| | | | | | | | |
|----------------|--------------------------------------|------------|-------------------------|--------------|------------------|------------------------|----|
| Run # | 59 | Date: | 10/24 | Start: | | Stop: | |
| Names: | Rachel Anduj Juan Justin Mingbo Kyle | | | | | | |
| Type of run: | Data | S800 Calib | CRDC | S800 sing | HIRA sing | HIRA Calib | |
| Beam: | 160 | 74Kr | Other: | | | | |
| Trigger: | S800+HIRA coin | Si Singles | Csl Singles | S800 Singles | Other: Secondary | | |
| Target: | Viewer | CH2 100um | Empty | Mask / Au | Alpha | Target Drive Position: | |
| Blocker: | out | viewer | Blocker Drive Position: | | | mm | mm |
| S800 | Segment 8 Brho: | | Barney print out? | | yes | no | |
| Slit settings: | wide open / _____ mm | | Attenuation: | | | | |

Comments: Merge Data test: multiple triggers set to Debug DAs.

Run 60 + 61 Alpha source data
(No Data)

Run 62 Alpha source with ~~typical~~ normal config

Run 63 Junk

Run 64 Alpha source; swapped cables

- 10/25/14 - Juan and I replaced CB1 (slot 2, bottom) in MB1.
 - Found that the DLEmos for MB1 are broken.
 - CB1 MB1 appears to be working.

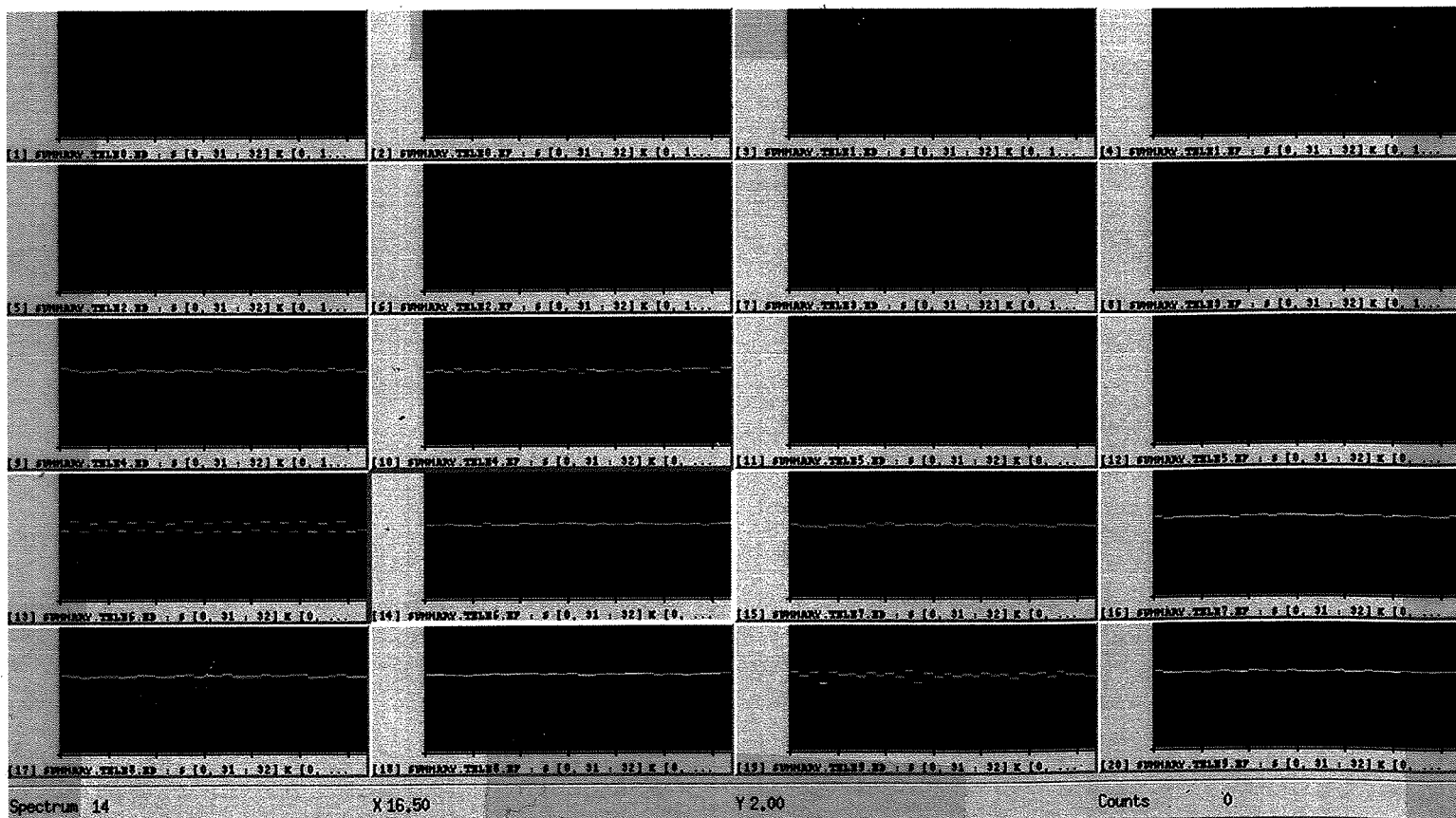
AMK

* On 10/24 (yesterday) Kyle removed and replaced MB2 since it had been giving us trouble with being able to maintain power and temp of the regulator.

- New MB2 is working except for CBS (slot 3)

See next page

- All CBS on MB1 (except CBS^{for now} 3) have energy direction reversed
 - CBS MD2 appears to have wrong polarity setting. When the pulser polarity is reversed, it appears in the data.



| | | | |
|--|--|--|--|
| [1] SUMMARY TEL#0 EP : S [0, 31 : 32] K [0, 1, ...] | [2] SUMMARY TEL#0 EP : S [0, 31 : 32] K [0, 1, ...] | [3] SUMMARY TEL#1 EP : S [0, 31 : 32] K [0, 1, ...] | [4] SUMMARY TEL#1 EP : S [0, 31 : 32] K [0, 1, ...] |
| [5] SUMMARY TEL#2 EP : S [0, 31 : 32] K [0, 1, ...] | [6] SUMMARY TEL#2 EP : S [0, 31 : 32] K [0, 1, ...] | [7] SUMMARY TEL#3 EP : S [0, 31 : 32] K [0, 1, ...] | [8] SUMMARY TEL#3 EP : S [0, 31 : 32] K [0, 1, ...] |
| [9] SUMMARY TEL#4 EP : S [0, 31 : 32] K [0, 1, ...] | [10] SUMMARY TEL#4 EP : S [0, 31 : 32] K [0, 1, ...] | [11] SUMMARY TEL#5 EP : S [0, 31 : 32] K [0, 1, ...] | [12] SUMMARY TEL#5 EP : S [0, 31 : 32] K [0, 1, ...] |
| [13] SUMMARY TEL#6 EP : S [0, 31 : 32] K [0, 1, ...] | [14] SUMMARY TEL#6 EP : S [0, 31 : 32] K [0, 1, ...] | [15] SUMMARY TEL#7 EP : S [0, 31 : 32] K [0, 1, ...] | [16] SUMMARY TEL#7 EP : S [0, 31 : 32] K [0, 1, ...] |
| [17] SUMMARY TEL#8 EP : S [0, 31 : 32] K [0, 1, ...] | [18] SUMMARY TEL#8 EP : S [0, 31 : 32] K [0, 1, ...] | [19] SUMMARY TEL#9 EP : S [0, 31 : 32] K [0, 1, ...] | [20] SUMMARY TEL#9 EP : S [0, 31 : 32] K [0, 1, ...] |
| Spectrum | | Counts | |
| X | Y | 0 | |

Wrong MS jumper setting → cable problem

10/25

Of the 4 double LEMO cables needed inside the chamber, there are currently only 3 that work (1.5 bundles). For now we can just run E w/o T, but we need to fix/buy several more cables as soon as possible.

2-033 CB 2-033 (MB2, CB9, slot 14) removed. We were unable to trigger in the noise in for a pulse below 0.8V despite a wide range of ~~the~~ CFD ~~stretches~~ ^{stretches}.

2-035

removed

for 2-061

10/26

Jumpers on 2-069 (MB2, CB2, slot 3) were incorrect, now fixed → Now E runs backward for all CEs.

Tele 16 (position 6) cabled improperly (EB) - fixed.

| |
|--------|
| Run 66 |
|--------|

MB 2 Pulser

Run

| | |
|-----|-----|
| (+) | (-) |
| (F) | (B) |

| | | |
|----------|----|-------|
| 5:00 min | at | 0.5 V |
| 1:00 min | at | 1.0 V |
| 2:00 min | at | 2.0 V |

Run 67

MB2 α run

- T8 (BF) missing even channels
- still having power fluctuation problems (but things seem to work w/ Spunky at ~ 9.6 V)

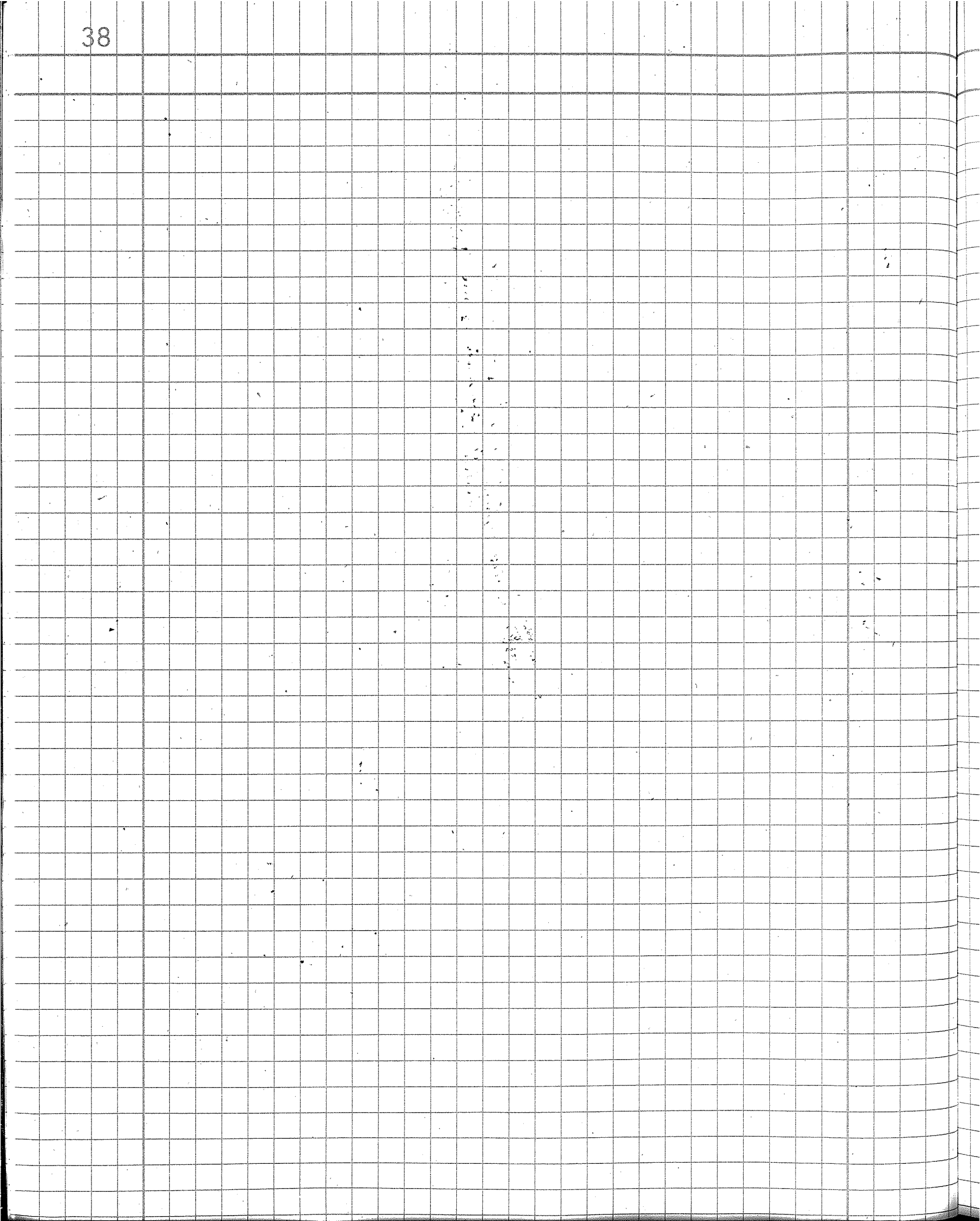
Note: MB2 gold power cable replaced (inside chamber)

Run 68 is a test to see how the new cable fares under vacuum.

Run 68:

MB1 + 2, α run, all detectors biased

- Noisy CBs:



HiRA E threshold adjustment

MB2, CB10: Noisy - 14

MB1, CB11: Highest α -peak: ~ 10300 channels (8.78 MeV) Next highest: ~ 11700 (6.78 MeV)

1V: 11350 channels 2V: 7350 channels

$\Rightarrow \sim 4000$ channels / MeV

and ~ 700 channels / MeV

Run 69

F Pulsar Test

Ramp 0.5V - 2.5V, 5 steps, 10s each

Run 70

F Pulsar Test, adjusted thresholds on MB1 (by 5)

Ramp 0.5V - 2.5V, 5 steps, 10s each

Run 71

F Pulsar Test, again lowered thresholds on MB1 by 5,

this time only for those tubes that didn't see

the .15V peak

Run 72

Same as 71, thresholds adjusted

Run 73

Same as 72

Run 74

Same as 73

Run 75

MCPs: MCP0 at 1900V
MCP1 at 1850V

Run 76

- Switched to a new Fast Amp (Phillips)
- gain changed in middle of run

Run 77

Pulse ramp on S, thresholds lowered

0 - 0.2V = 11 steps 15 sec/step

Run 78

 α calibration (thresholds raised)

Run 79

 α calibration

Note: Bias tripped during run (EB + TO)

Run 80

Pulse ramp, as in 77 but

Note: TO now has high LL (7.8 μ A) at full bias. We will unplug the detector and try to put voltage only on the CB.

After run 82, TO replaced (tele 3 out, tele 6 in)

Run 81 Pulser Ramp: full range
0-3.0 V, 13 steps, 15 sec/step

Run 82 Pulser Ramp: 0-0.2 V, 11 steps, 15 sec/step
w/o bias

Runs 83-123 JUNK

Run 124 Pulser ramp, 0-0.2 V, 11 steps, 15 s/step
w/o bias

Run 125 α - calibration (blacken in ... caps)

Run 126 α , ~ 1 hr

Run 127 α , ~ 30 min

Run 128 α , ~ 30 min

Run 129 α , ~ 30 min

Note: trigger changed accidentally in middle of run

Run 130 α , ~ 30 min

Run 131 α , ~ 30 min

Run 132 α , ~ 5 min

Downstream viewer's
settings

183 mm (centered L-R)

The viewer is too high by 1 mm. (up-down)

MCP 0

Foil 70.5 mm
Mask 188 mm (1 mm high)

MCP 1

Foil 107.5 mm
Mask 183.5 mm

Reaction target

1. Viewer 31.0 mm
2. "100" μ m 83 mm
3. "50" μ m 134 mm
4. Mask 169.5 mm
5. Gold 193.5 mm
6. Blank 240 mm (limit switch)

Run 133

S800 Same test

Run 134

Merged Data test

HRA pulses

| | | | |
|--|--|---|--|
| v. 3.2 Run # 200 | Date: 2014/11/5 | Start: 12:22 am | Stop: 12:28 |
| Your Name: Jenny | Also on Shift: <input checked="" type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Bill <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Han <input type="checkbox"/> Jack <input checked="" type="checkbox"/> Jenny <input checked="" type="checkbox"/> Jon | | |
| Merged runs? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | <input type="checkbox"/> Juan <input checked="" type="checkbox"/> Justin <input checked="" type="checkbox"/> Kyle <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input checked="" type="checkbox"/> Zibi <input type="checkbox"/> _____ | | |
| Run Type: <input type="checkbox"/> Data | Singles: (<input type="checkbox"/> HIRA <input checked="" type="checkbox"/> S800 <input type="checkbox"/> MCP) | Calib: (<input type="checkbox"/> HIRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | <input type="checkbox"/> CRDC |
| Trigger: <input type="checkbox"/> S800+HiRA coin | Singles: (<input type="checkbox"/> Si <input type="checkbox"/> Csl <input checked="" type="checkbox"/> S800 <input type="checkbox"/> MCP) | Downscale: _____ | <input type="checkbox"/> Other: _____ |
| Beam: <input type="checkbox"/> 74Kr degraded | <input checked="" type="checkbox"/> 74Kr <input type="checkbox"/> proton | <input type="checkbox"/> Other: _____ | |
| Target: <input type="checkbox"/> Viewer | <input type="checkbox"/> CH2 100um | <input type="checkbox"/> CH2 50um | <input type="checkbox"/> out |
| <input type="checkbox"/> Mask | <input type="checkbox"/> Au | <input type="checkbox"/> Alpha | <input checked="" type="checkbox"/> Empty |
| MCP I: _____ | Voltage on? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | MCP 0 (US): <input type="checkbox"/> foil <input type="checkbox"/> mask <input checked="" type="checkbox"/> out | Drive Positions: 236.7 mm Target (I251Y-R) |
| HV: _____ | | MCP 1 (DS): <input type="checkbox"/> foil <input type="checkbox"/> mask <input checked="" type="checkbox"/> out | 0 mm MCP 0 (US) (I250Y-R) |
| | | | 0 mm MCP 1 (DS) (I250X-R) |
| S800 | Segment 8 Brho: _____ | Barney print out? <input type="checkbox"/> yes <input type="checkbox"/> no | |
| Slit settings: <input type="checkbox"/> wide open | <input type="checkbox"/> _____ mm | Attenuation: _____ | |

Comments:

S800 tuning - unreacted 74Kr to FP - approximately centered

| | | | |
|--|--|---|--|
| v. 3.2 Run # 201 | Date: 2014/11/05 | Start: 12:43 am | Stop: |
| Your Name: Jenny | Also on Shift: <input checked="" type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Bill <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Han <input type="checkbox"/> Jack <input checked="" type="checkbox"/> Jenny <input checked="" type="checkbox"/> Jon | | |
| Merged runs? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | <input type="checkbox"/> Juan <input checked="" type="checkbox"/> Justin <input checked="" type="checkbox"/> Kyle <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input checked="" type="checkbox"/> Zibi <input type="checkbox"/> _____ | | |
| Run Type: <input type="checkbox"/> Data | Singles: (<input type="checkbox"/> HIRA <input checked="" type="checkbox"/> S800 <input type="checkbox"/> MCP) | Calib: (<input type="checkbox"/> HIRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | <input type="checkbox"/> CRDC |
| Trigger: <input type="checkbox"/> S800+HiRA coin | Singles: (<input type="checkbox"/> Si <input type="checkbox"/> Csl <input checked="" type="checkbox"/> S800 <input type="checkbox"/> MCP) | Downscale: _____ | <input type="checkbox"/> Other: _____ |
| Beam: <input type="checkbox"/> 74Kr degraded | <input checked="" type="checkbox"/> 74Kr <input type="checkbox"/> proton | <input type="checkbox"/> Other: _____ | |
| Target: <input type="checkbox"/> Viewer | <input checked="" type="checkbox"/> CH2 100um | <input type="checkbox"/> CH2 50um | <input type="checkbox"/> out |
| <input type="checkbox"/> Mask | <input type="checkbox"/> Au | <input type="checkbox"/> Alpha | <input type="checkbox"/> Empty |
| MCP I: _____ | Voltage on? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | MCP 0 (US): <input type="checkbox"/> foil <input type="checkbox"/> mask <input checked="" type="checkbox"/> out | Drive Positions: 83.01 mm Target (I251Y-R) |
| HV: _____ | | MCP 1 (DS): <input type="checkbox"/> foil <input type="checkbox"/> mask <input checked="" type="checkbox"/> out | 0 mm MCP 0 (US) (I250Y-R) |
| | | | 0 mm MCP 1 (DS) (I250X-R) |
| S800 | Segment 8 Brho: _____ | Barney print out? <input type="checkbox"/> yes <input type="checkbox"/> no | |
| Slit settings: <input type="checkbox"/> wide open | <input type="checkbox"/> _____ mm | Attenuation: _____ | |

Comments:

S800 tuning - reacted 74Kr to FP - centered - 100 um CH2

Put 2 viewers to check beam spot

| | | | |
|--|--|--|--|
| v. 3.2 Run # 202 | Date: 2014/11/05 | Start: 1:50 | Stop: |
| Your Name: Jenny | Also on Shift: <input checked="" type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Bill <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Han <input type="checkbox"/> Jack <input checked="" type="checkbox"/> Jenny <input checked="" type="checkbox"/> Jon | | |
| Merged runs? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | <input type="checkbox"/> Juan <input checked="" type="checkbox"/> Justin <input checked="" type="checkbox"/> Kyle <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input checked="" type="checkbox"/> Zibi <input type="checkbox"/> _____ | | |
| Run Type: <input type="checkbox"/> Data | Singles: (<input type="checkbox"/> HIRA <input checked="" type="checkbox"/> S800 <input type="checkbox"/> MCP) | Calib: (<input type="checkbox"/> HIRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | <input type="checkbox"/> CRDC |
| Trigger: <input type="checkbox"/> S800+HiRA coin | Singles: (<input type="checkbox"/> Si <input type="checkbox"/> Csl <input checked="" type="checkbox"/> S800 <input type="checkbox"/> MCP) | Downscale: _____ | <input type="checkbox"/> Other: _____ |
| Beam: <input type="checkbox"/> 74Kr degraded | <input checked="" type="checkbox"/> 74Kr <input type="checkbox"/> proton | <input type="checkbox"/> Other: _____ | |
| Target: <input type="checkbox"/> Viewer | <input checked="" type="checkbox"/> CH2 100um | <input type="checkbox"/> CH2 50um | <input type="checkbox"/> out |
| <input type="checkbox"/> Mask | <input type="checkbox"/> Au | <input type="checkbox"/> Alpha | <input type="checkbox"/> Empty |
| MCP I: _____ | Voltage on? <input type="checkbox"/> Yes <input type="checkbox"/> No | MCP 0 (US): <input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | Drive Positions: 83.01 mm Target (I251Y-R) |
| HV: _____ | | MCP 1 (DS): <input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | 0 mm MCP 0 (US) (I250Y-R) |
| | | | 0 mm MCP 1 (DS) (I250X-R) |
| S800 | Segment 8 Brho: _____ | Barney print out? <input type="checkbox"/> yes <input type="checkbox"/> no | |
| Slit settings: <input type="checkbox"/> wide open | <input type="checkbox"/> _____ mm | Attenuation: _____ | |

Comments:

S800 tuning - reacted 74Kr to FP - centered - 100 um CH2

Optimized Beam Tune

| | | | |
|--|---|--|--|
| v. 3.2 Run # <u>203</u> | Date: <u>Jul 4 / 11/05</u> | Start: <u>2:11</u> | Stop: <u>2:17</u> |
| Your Name: <u>Jenny</u> | Also on Shift: <input checked="" type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Bill <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Han <input type="checkbox"/> Jack <input checked="" type="checkbox"/> Jenny <input type="checkbox"/> Jon | | |
| Merged runs? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | <input type="checkbox"/> Juan <input type="checkbox"/> Justin <input checked="" type="checkbox"/> Kyle <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input checked="" type="checkbox"/> Zibi <input type="checkbox"/> _____ | | |
| Run Type: <input type="checkbox"/> Data | Singles: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | <input type="checkbox"/> CRDC <i>debug</i> |
| Trigger: <input checked="" type="checkbox"/> S800+HiRA coin | Singles: (<input type="checkbox"/> Si <input type="checkbox"/> Csl <input checked="" type="checkbox"/> S800 <input type="checkbox"/> MCP) | Downscale: _____ | <input type="checkbox"/> Other: _____ |
| Beam: <input type="checkbox"/> 74Kr degraded | <input checked="" type="checkbox"/> 74Kr <input type="checkbox"/> proton | <input type="checkbox"/> Other: _____ | |
| Target: <input type="checkbox"/> Viewer | <input checked="" type="checkbox"/> CH2 100um | <input type="checkbox"/> CH2 50um | <input type="checkbox"/> out |
| <input type="checkbox"/> Mask | <input type="checkbox"/> Au | <input type="checkbox"/> Alpha | <input type="checkbox"/> Empty |
| MCP I: _____ | Voltage on? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | MCP 0 (US): <input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | Drive Positions: <u>83.01</u> mm Target (I251Y-R) _____ mm MCP 0 (US) (I250Y-R) _____ mm MCP 1 (DS) (I250X-R) |
| HV: _____ | MCP 1 (DS): <input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | |
| S800 | Segment 8 Brho: _____ | Barney print out? <input type="checkbox"/> yes <input type="checkbox"/> no | |
| Slit settings: <input type="checkbox"/> wide open | <input type="checkbox"/> _____ mm | Attenuation: _____ | |

Comments:

S800 HiRA debugging data - gate adjustments

| | | | |
|--|--|---|--|
| v. 3.2 Run # <u>204</u> | Date: <u>11/5/14</u> | Start: <u>2:15</u> | Stop: <u>2:18</u> |
| Your Name: <u>Kyle</u> | Also on Shift: <input checked="" type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Bill <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Han <input type="checkbox"/> Jack <input checked="" type="checkbox"/> Jenny <input type="checkbox"/> Jon | | |
| Merged runs? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | <input checked="" type="checkbox"/> Juan <input type="checkbox"/> Justin <input checked="" type="checkbox"/> Kyle <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input checked="" type="checkbox"/> Zibi <input type="checkbox"/> _____ | | |
| Run Type: <input type="checkbox"/> Data | Singles: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | <input type="checkbox"/> CRDC <i>Debug</i> |
| Trigger: <input checked="" type="checkbox"/> S800+HiRA coin | Singles: (<input checked="" type="checkbox"/> Si <input type="checkbox"/> Csl <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | Downscale: _____ | <input type="checkbox"/> Other: _____ |
| Beam: <input type="checkbox"/> 74Kr degraded | <input checked="" type="checkbox"/> 74Kr <input type="checkbox"/> proton | <input type="checkbox"/> Other: _____ | |
| Target: <input type="checkbox"/> Viewer | <input checked="" type="checkbox"/> CH2 100um | <input type="checkbox"/> CH2 50um | <input type="checkbox"/> out |
| <input type="checkbox"/> Mask | <input type="checkbox"/> Au | <input type="checkbox"/> Alpha | <input type="checkbox"/> Empty |
| MCP I: _____ | Voltage on? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | MCP 0 (US): <input type="checkbox"/> foil <input type="checkbox"/> mask <input checked="" type="checkbox"/> out | Drive Positions: <u>83.01</u> mm Target (I251Y-R) _____ mm MCP 0 (US) (I250Y-R) _____ mm MCP 1 (DS) (I250X-R) |
| HV: _____ | MCP 1 (DS): <input type="checkbox"/> foil <input type="checkbox"/> mask <input checked="" type="checkbox"/> out | | |
| S800 | Segment 8 Brho: _____ | Barney print out? <input type="checkbox"/> yes <input type="checkbox"/> no | |
| Slit settings: <input type="checkbox"/> wide open | <input type="checkbox"/> _____ mm | Attenuation: _____ | |

Comments:

S800 + HiRA test with shifted AND Gate

| | | | |
|---|---|---|--|
| v. 3.2 Run # <u>206</u> | Date: <u>11/5/14</u> | Start: <u>4:45</u> | Stop: <u>5:05</u> |
| Your Name: <u>Jenny</u> | Also on Shift: <input type="checkbox"/> Andy <input type="checkbox"/> Ben <input checked="" type="checkbox"/> Bill <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Han <input type="checkbox"/> Jack <input checked="" type="checkbox"/> Jenny <input type="checkbox"/> Jon | | |
| Merged runs? <input type="checkbox"/> Yes <input type="checkbox"/> No | <input checked="" type="checkbox"/> Juan <input type="checkbox"/> Justin <input checked="" type="checkbox"/> Kyle <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Zibi <input type="checkbox"/> _____ | | |
| Run Type: <input type="checkbox"/> Data | Singles: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | Calib: (<input checked="" type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | <input type="checkbox"/> CRDC <i>Debug</i> |
| Trigger: <input checked="" type="checkbox"/> S800+HiRA coin | Singles: (<input checked="" type="checkbox"/> Si <input type="checkbox"/> Csl <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | Downscale: _____ | <input type="checkbox"/> Other: _____ |
| Beam: <input type="checkbox"/> 74Kr degraded | <input checked="" type="checkbox"/> 74Kr <input type="checkbox"/> proton | <input type="checkbox"/> Other: _____ | |
| Target: <input type="checkbox"/> Viewer | <input checked="" type="checkbox"/> CH2 100um | <input type="checkbox"/> CH2 50um | <input type="checkbox"/> out |
| <input type="checkbox"/> Mask | <input type="checkbox"/> Au | <input type="checkbox"/> Alpha | <input type="checkbox"/> Empty |
| MCP I: _____ | Voltage on? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | MCP 0 (US): <input type="checkbox"/> foil <input type="checkbox"/> mask <input checked="" type="checkbox"/> out | Drive Positions: <u>83.01</u> mm Target (I251Y-R) _____ mm MCP 0 (US) (I250Y-R) _____ mm MCP 1 (DS) (I250X-R) |
| HV: _____ | MCP 1 (DS): <input type="checkbox"/> foil <input type="checkbox"/> mask <input checked="" type="checkbox"/> out | | |
| S800 | Segment 8 Brho: _____ | Barney print out? <input type="checkbox"/> yes <input type="checkbox"/> no | |
| Slit settings: <input type="checkbox"/> wide open | <input type="checkbox"/> _____ mm | Attenuation: _____ | |

Comments:

HiRA Singles and coincidence
Problem: (master trigger is about 75% of HiRA Trigger)

5:05: brakes were
OFF! Run
stopped

| | | | | | | | |
|----------------|--|--|---------|--|-------|---------------------------------------|-------|
| v. 3.2 Run # | 210 | Date: | 11/5/14 | Start: | 06:16 | Stop: | 07:13 |
| Your Name: | Juan | Also on Shift: <input type="checkbox"/> Andy <input type="checkbox"/> Ben <input checked="" type="checkbox"/> Bill <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Han <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon | | | | | |
| Merged runs? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | <input checked="" type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Kyle <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Zibi <input type="checkbox"/> _____ | | | | | |
| Run Type: | <input type="checkbox"/> Data | Singles: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | | Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | | <input type="checkbox"/> CRDC | |
| Trigger: | <input checked="" type="checkbox"/> S800+HiRA coin | Singles: (<input checked="" type="checkbox"/> Si <input type="checkbox"/> Csl <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | | Downscale: _____ | | <input type="checkbox"/> Other: _____ | |
| Beam: | <input type="checkbox"/> 74Kr degraded <input checked="" type="checkbox"/> 74Kr <input type="checkbox"/> proton | Other: _____ | | Vacuum: 5.4 e-6 torr | | | |
| Target: | <input type="checkbox"/> Viewer <input checked="" type="checkbox"/> CH2 100um <input type="checkbox"/> CH2 50um <input type="checkbox"/> out | <input type="checkbox"/> Mask <input type="checkbox"/> Au <input type="checkbox"/> Alpha <input type="checkbox"/> Empty | | Drive Positions: 83.01 mm Target (I251Y-R) | | | |
| MCP I: _____ | Voltage on? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | MCP 0 (US): <input type="checkbox"/> foil <input type="checkbox"/> mask <input checked="" type="checkbox"/> out | | _____ mm MCP 0 (US) (I250Y-R) | | | |
| MCP HV: _____ | | MCP 1 (DS): <input type="checkbox"/> foil <input type="checkbox"/> mask <input checked="" type="checkbox"/> out | | _____ mm MCP 1 (DS) (I250X-R) | | | |
| S800 | Segment 8 Brho: _____ | | | Barney print out? <input type="checkbox"/> yes <input type="checkbox"/> no | | | |
| Slit settings: | <input type="checkbox"/> wide open <input type="checkbox"/> _____ mm | | | Attenuation: _____ | | | |

Comments: HiRA singles + coincidence

| | | | | | | | |
|----------------|--|--|---------|--|-------|---------------------------------------|------|
| v. 3.2 Run # | 211 | Date: | 11/5/14 | Start: | 07:15 | Stop: | 8:30 |
| Your Name: | Juan | Also on Shift: <input type="checkbox"/> Andy <input type="checkbox"/> Ben <input checked="" type="checkbox"/> Bill <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Han <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon | | | | | |
| Merged runs? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | <input checked="" type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Kyle <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Zibi <input type="checkbox"/> _____ | | | | | |
| Run Type: | <input type="checkbox"/> Data | Singles: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | | Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | | <input type="checkbox"/> CRDC | |
| Trigger: | <input checked="" type="checkbox"/> S800+HiRA coin | Singles: (<input checked="" type="checkbox"/> Si <input type="checkbox"/> Csl <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | | Downscale: _____ | | <input type="checkbox"/> Other: _____ | |
| Beam: | <input type="checkbox"/> 74Kr degraded <input checked="" type="checkbox"/> 74Kr <input type="checkbox"/> proton | Other: _____ | | Vacuum: 5.4 e-6 torr | | | |
| Target: | <input type="checkbox"/> Viewer <input checked="" type="checkbox"/> CH2 100um <input type="checkbox"/> CH2 50um <input type="checkbox"/> out | <input type="checkbox"/> Mask <input type="checkbox"/> Au <input type="checkbox"/> Alpha <input type="checkbox"/> Empty | | Drive Positions: 83.01 mm Target (I251Y-R) | | | |
| MCP I: _____ | Voltage on? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | MCP 0 (US): <input type="checkbox"/> foil <input type="checkbox"/> mask <input checked="" type="checkbox"/> out | | _____ mm MCP 0 (US) (I250Y-R) | | | |
| MCP HV: _____ | | MCP 1 (DS): <input type="checkbox"/> foil <input type="checkbox"/> mask <input checked="" type="checkbox"/> out | | _____ mm MCP 1 (DS) (I250X-R) | | | |
| S800 | Segment 8 Brho: _____ | | | Barney print out? <input type="checkbox"/> yes <input type="checkbox"/> no | | | |
| Slit settings: | <input type="checkbox"/> wide open <input type="checkbox"/> _____ mm | | | Attenuation: _____ | | | |

Comments: HiRA singles + coincidence, run stopped for cyclotron tuning

| | | | | | | | |
|----------------|--|---|---------|--|------|---------------------------------------|-------|
| v. 3.2 Run # | 212 | Date: | 11/5/14 | Start: | 9:16 | Stop: | 10:12 |
| Your Name: | Justin | Also on Shift: <input type="checkbox"/> Andy <input type="checkbox"/> Ben <input checked="" type="checkbox"/> Bill <input checked="" type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Han <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon | | | | | |
| Merged runs? | <input type="checkbox"/> Yes <input type="checkbox"/> No | <input checked="" type="checkbox"/> Juan <input checked="" type="checkbox"/> Justin <input type="checkbox"/> Kyle <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Zibi <input type="checkbox"/> _____ | | | | | |
| Run Type: | <input type="checkbox"/> Data | Singles: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | | Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | | <input type="checkbox"/> CRDC | |
| Trigger: | <input checked="" type="checkbox"/> S800+HiRA coin | Singles: (<input checked="" type="checkbox"/> Si <input type="checkbox"/> Csl <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | | Downscale: _____ | | <input type="checkbox"/> Other: _____ | |
| Beam: | <input type="checkbox"/> 74Kr degraded <input checked="" type="checkbox"/> 74Kr <input type="checkbox"/> proton | Other: _____ | | Vacuum: 5.4 e-6 torr | | | |
| Target: | <input type="checkbox"/> Viewer <input checked="" type="checkbox"/> CH2 100um <input type="checkbox"/> CH2 50um <input type="checkbox"/> out | <input type="checkbox"/> Mask <input type="checkbox"/> Au <input type="checkbox"/> Alpha <input type="checkbox"/> Empty | | Drive Positions: 83 mm Target (I251Y-R) | | | |
| MCP I: _____ | Voltage on? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | MCP 0 (US): <input type="checkbox"/> foil <input type="checkbox"/> mask <input checked="" type="checkbox"/> out | | 0 mm MCP 0 (US) (I250Y-R) | | | |
| MCP HV: _____ | | MCP 1 (DS): <input type="checkbox"/> foil <input type="checkbox"/> mask <input checked="" type="checkbox"/> out | | 0 mm MCP 1 (DS) (I250X-R) | | | |
| S800 | Segment 8 Brho: _____ | | | Barney print out? <input type="checkbox"/> yes <input type="checkbox"/> no | | | |
| Slit settings: | <input type="checkbox"/> wide open <input type="checkbox"/> _____ mm | | | Attenuation: _____ | | | |

Comments: HiRA singles + coincidence, rate ~10x greater than before

| | | | | | | | |
|---------------------------|---|---|--|--------|-------|-------|-------|
| v. 3.2 Run # | 213 | Date: | 11/5/14 | Start: | 10:15 | Stop: | 11:13 |
| Your Name: | Justin | Also on Shift: <input type="checkbox"/> Andy <input type="checkbox"/> Ben <input checked="" type="checkbox"/> Bill <input checked="" type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Han <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon | | | | | |
| Merged runs? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | <input checked="" type="checkbox"/> Juan <input checked="" type="checkbox"/> Justin <input type="checkbox"/> Kyle <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Zibi | | | | | |
| Run Type: | <input type="checkbox"/> Data | Singles: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) <input type="checkbox"/> CRDC | | | | |
| Trigger: | <input checked="" type="checkbox"/> S800+HiRA coin | Singles: (<input type="checkbox"/> Si <input type="checkbox"/> Csl <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | Downscale: _____ <input type="checkbox"/> Other: _____ | | | | |
| Beam: | <input type="checkbox"/> 74Kr degraded <input checked="" type="checkbox"/> 74Kr <input type="checkbox"/> proton <input type="checkbox"/> Other: _____ | Vacuum: 5.4 e-6 torr | | | | | |
| Target: | <input type="checkbox"/> Viewer <input checked="" type="checkbox"/> CH2 100um <input type="checkbox"/> CH2 50um <input type="checkbox"/> out <input type="checkbox"/> Mask <input type="checkbox"/> Au <input type="checkbox"/> Alpha <input type="checkbox"/> Empty | Drive Positions: 83 mm Target (I251Y-R) 0 mm MCP 0 (US) (I250Y-R) 0 mm MCP 1 (DS) (I250X-R) | | | | | |
| MCP I: _____ HV: _____ | Voltage on? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | MCP 0 (US): <input type="checkbox"/> foil <input type="checkbox"/> mask <input checked="" type="checkbox"/> out MCP 1 (DS): <input type="checkbox"/> foil <input type="checkbox"/> mask <input checked="" type="checkbox"/> out | | | | | |
| S800 | Segment 8 Brho: _____ | Barney print out? <input type="checkbox"/> yes <input type="checkbox"/> no | | | | | |
| Slit settings: | <input type="checkbox"/> wide open <input type="checkbox"/> _____ mm | Attenuation: _____ | | | | | |

Comments:

| | | | | | | | |
|---------------------------|---|--|--|--------|-------|-------|-------|
| v. 3.2 Run # | 214 | Date: | 11/5/14 | Start: | 11:15 | Stop: | 11:45 |
| Your Name: | Justin | Also on Shift: <input type="checkbox"/> Andy <input type="checkbox"/> Ben <input checked="" type="checkbox"/> Bill <input checked="" type="checkbox"/> Cole <input checked="" type="checkbox"/> Corinne <input type="checkbox"/> Han <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon | | | | | |
| Merged runs? | <input type="checkbox"/> Yes <input type="checkbox"/> No | <input checked="" type="checkbox"/> Juan <input checked="" type="checkbox"/> Justin <input type="checkbox"/> Kyle <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Zibi | | | | | |
| Run Type: | <input type="checkbox"/> Data | Singles: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) <input type="checkbox"/> CRDC | | | | |
| Trigger: | <input checked="" type="checkbox"/> S800+HiRA coin | Singles: (<input type="checkbox"/> Si <input type="checkbox"/> Csl <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | Downscale: _____ <input type="checkbox"/> Other: _____ | | | | |
| Beam: | <input type="checkbox"/> 74Kr degraded <input checked="" type="checkbox"/> 74Kr <input type="checkbox"/> proton <input type="checkbox"/> Other: _____ | Vacuum: 5.4 e-6 torr | | | | | |
| Target: | <input type="checkbox"/> Viewer <input checked="" type="checkbox"/> CH2 100um <input type="checkbox"/> CH2 50um <input type="checkbox"/> out <input type="checkbox"/> Mask <input type="checkbox"/> Au <input type="checkbox"/> Alpha <input type="checkbox"/> Empty | Drive Positions: 83 mm Target (I251Y-R) 0 mm MCP 0 (US) (I250Y-R) 0 mm MCP 1 (DS) (I250X-R) | | | | | |
| MCP I: _____ HV: _____ | Voltage on? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | MCP 0 (US): <input type="checkbox"/> foil <input type="checkbox"/> mask <input checked="" type="checkbox"/> out MCP 1 (DS): <input type="checkbox"/> foil <input type="checkbox"/> mask <input checked="" type="checkbox"/> out | | | | | |
| S800 | Segment 8 Brho: _____ | Barney print out? <input type="checkbox"/> yes <input type="checkbox"/> no | | | | | |
| Slit settings: | <input type="checkbox"/> wide open <input type="checkbox"/> _____ mm | Attenuation: _____ | | | | | |

Comments:

| | | | | | | | |
|-----------------------|--|---|--|--------|----------|-------|----------|
| v. 3.2 Run # | 215 | Date: | 5 Nov 2014 | Start: | 11:52 AM | Stop: | 11:57 AM |
| Your Name: | Cole P. | Also on Shift: <input type="checkbox"/> Andy <input type="checkbox"/> Ben <input checked="" type="checkbox"/> Bill <input checked="" type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Han <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon | | | | | |
| Merged runs? | <input type="checkbox"/> Yes <input type="checkbox"/> No | <input checked="" type="checkbox"/> Juan <input checked="" type="checkbox"/> Justin <input type="checkbox"/> Kyle <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Zibi | | | | | |
| Run Type: | <input type="checkbox"/> Data | Singles: (<input checked="" type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) <input type="checkbox"/> CRDC | | | | |
| Trigger: | <input type="checkbox"/> S800+HiRA coin | Singles: (<input type="checkbox"/> Si <input type="checkbox"/> Csl <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | Downscale: _____ <input type="checkbox"/> Other: _____ | | | | |
| Beam: | <input type="checkbox"/> 74Kr degraded <input type="checkbox"/> 74Kr <input type="checkbox"/> proton <input checked="" type="checkbox"/> Other: Pulses | Vacuum: _____ e- torr | | | | | |
| Target: | <input type="checkbox"/> Viewer <input type="checkbox"/> CH2 100um <input type="checkbox"/> CH2 50um <input type="checkbox"/> out N/A <input type="checkbox"/> Mask <input type="checkbox"/> Au <input type="checkbox"/> Alpha <input type="checkbox"/> Empty | Drive Positions: _____ mm Target (I251Y-R) _____ mm MCP 0 (US) (I250Y-R) _____ mm MCP 1 (DS) (I250X-R) | | | | | |
| MCP I: N/A HV: N/A | Voltage on? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | MCP 0 (US): <input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out MCP 1 (DS): <input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | | | |
| S800 | Segment 8 Brho: _____ | Barney print out? <input type="checkbox"/> yes <input checked="" type="checkbox"/> no | | | | | |
| Slit settings: | <input type="checkbox"/> wide open <input type="checkbox"/> N/A mm | Attenuation: _____ | | | | | |

Comments:

Checking pulsers on telescopes for threshold values.
w/ e10015 ALPHA, setup

| | | | |
|--|---|--|---|
| v. 3.2 Run # 216 | Date: 5 Nov 2014 | Start: 11:58 | Stop: 12:03 |
| Your Name: Cole P. | Also on Shift: <input type="checkbox"/> Andy <input type="checkbox"/> Ben <input checked="" type="checkbox"/> Bill <input checked="" type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Han <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon | | |
| Merged runs? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | <input checked="" type="checkbox"/> Juan <input checked="" type="checkbox"/> Justin <input type="checkbox"/> Kyle <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Zibi <input type="checkbox"/> _____ | | |
| Run Type: <input type="checkbox"/> Data | Singles: (<input checked="" type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | <input type="checkbox"/> CRDC |
| Trigger: <input type="checkbox"/> S800+HiRA coin | Singles: (<input type="checkbox"/> Si <input type="checkbox"/> Csl <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | Downscale: _____ | <input type="checkbox"/> Other: _____ |
| Beam: <input type="checkbox"/> 74Kr degraded | <input type="checkbox"/> 74Kr <input type="checkbox"/> proton | <input type="checkbox"/> Other: _____ | Vacuum: _____ e- torr |
| Target: <input type="checkbox"/> Viewer | <input type="checkbox"/> CH2 100um | <input type="checkbox"/> CH2 50um | <input type="checkbox"/> out |
| <input type="checkbox"/> Mask | <input type="checkbox"/> Au | <input type="checkbox"/> Alpha | <input type="checkbox"/> Empty |
| MCP I: _____ | Voltage on? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | MCP 0 (US): <input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | Drive Positions: _____ mm Target (I251Y-R) _____ mm MCP 0 (US) (I250Y-R) _____ mm MCP 1 (DS) (I250X-R) |
| MCP HV: _____ | MCP 1 (DS): <input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | |
| S800 | Segment 8 Brho: _____ | Barney print out? <input type="checkbox"/> yes <input type="checkbox"/> no | |
| Slit settings: <input type="checkbox"/> wide open | <input type="checkbox"/> _____ mm | Attenuation: _____ | |

Comments:

w/ checking pulsers on telescopes for threshold values
w/ e10015, innv4, setup

Switching SETUP file to e10015 ALPHA, setup

| | | | |
|---|--|--|---|
| v. 3.2 Run # 217 | Date: 5 Nov 2014 | Start: 12:24 PM | Stop: _____ |
| Your Name: Cole P. | Also on Shift: <input type="checkbox"/> Andy <input type="checkbox"/> Ben <input checked="" type="checkbox"/> Bill <input checked="" type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Han <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon | | |
| Merged runs? <input type="checkbox"/> Yes <input type="checkbox"/> No | <input checked="" type="checkbox"/> Juan <input checked="" type="checkbox"/> Justin <input type="checkbox"/> Kyle <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input checked="" type="checkbox"/> Zibi <input type="checkbox"/> _____ | | |
| Run Type: <input type="checkbox"/> Data | Singles: (<input checked="" type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | <input type="checkbox"/> CRDC |
| Trigger: <input type="checkbox"/> S800+HiRA coin | Singles: (<input type="checkbox"/> Si <input type="checkbox"/> Csl <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | Downscale: _____ | <input type="checkbox"/> Other: _____ |
| Beam: <input type="checkbox"/> 74Kr degraded | <input type="checkbox"/> 74Kr <input type="checkbox"/> proton | <input type="checkbox"/> Other: _____ | Vacuum: _____ e- torr |
| Target: <input type="checkbox"/> Viewer | <input type="checkbox"/> CH2 100um | <input type="checkbox"/> CH2 50um | <input type="checkbox"/> out |
| <input type="checkbox"/> Mask | <input type="checkbox"/> Au | <input type="checkbox"/> Alpha | <input type="checkbox"/> Empty |
| MCP I: _____ | Voltage on? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | MCP 0 (US): <input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | Drive Positions: _____ mm Target (I251Y-R) _____ mm MCP 0 (US) (I250Y-R) _____ mm MCP 1 (DS) (I250X-R) |
| MCP HV: _____ | MCP 1 (DS): <input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | |
| S800 | Segment 8 Brho: _____ | Barney print out? <input type="checkbox"/> yes <input type="checkbox"/> no | |
| Slit settings: <input type="checkbox"/> wide open | <input type="checkbox"/> _____ mm | Attenuation: _____ | |

Comments:

checking pulsers w/ ramp for threshold values

Ramp settings: 0 → 1 V, 21 steps @ 10 secs/step, (100 Hz)

| | | | |
|--|--|--|---|
| v. 3.2 Run # 218 | Date: 5 Nov 2014 | Start: 12:41 PM | Stop: |
| Your Name: Cole | Also on Shift: <input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Bill <input checked="" type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Han <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon | | |
| Merged runs? <input type="checkbox"/> Yes <input type="checkbox"/> No | <input checked="" type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Kyle <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Zibi <input type="checkbox"/> _____ | | |
| Run Type: <input type="checkbox"/> Data | Singles: (<input checked="" type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | <input type="checkbox"/> CRDC |
| Trigger: <input checked="" type="checkbox"/> S800+HiRA coin | Singles: (<input type="checkbox"/> Si <input type="checkbox"/> Csi <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | Downscale: _____ | <input type="checkbox"/> Other: _____ |
| Beam: <input type="checkbox"/> 74Kr degraded <input type="checkbox"/> 74Kr <input type="checkbox"/> proton | <input type="checkbox"/> Other: _____ | Vacuum: _____ e- torr | |
| Target: <input type="checkbox"/> Viewer <input type="checkbox"/> Mask | <input type="checkbox"/> CH2 100um <input type="checkbox"/> Au | <input type="checkbox"/> CH2 50um <input type="checkbox"/> Alpha | <input type="checkbox"/> out <input type="checkbox"/> Empty |
| MCP I: _____ | Voltage on? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | MCP 0 (US): <input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | Drive Positions: _____ mm Target (I251Y-R) _____ mm MCP 0 (US) (I250Y-R) _____ mm MCP 1 (DS) (I250X-R) |
| MCP HV: _____ | MCP 1 (DS): <input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | |
| S800 | Segment 8 Brho: _____ | Barney print out? <input type="checkbox"/> yes <input type="checkbox"/> no | |
| Slit settings: <input type="checkbox"/> wide open <input type="checkbox"/> _____ mm | Attenuation: _____ | | |

Comments:

Checking pulses w/ ramp

→ dropped thresholds of misbehaving chips by 5 units to test

| | | | |
|--|---|--|---|
| v. 3.2 Run # 219 | Date: 5 Nov 2014 | Start: 13:01 | Stop: |
| Your Name: Cole P. | Also on Shift: <input checked="" type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Bill <input checked="" type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Han <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon | | |
| Merged runs? <input type="checkbox"/> Yes <input type="checkbox"/> No | <input checked="" type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Kyle <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Zibi <input type="checkbox"/> _____ | | |
| Run Type: <input type="checkbox"/> Data | Singles: (<input checked="" type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | <input type="checkbox"/> CRDC |
| Trigger: <input type="checkbox"/> S800+HiRA coin | Singles: (<input type="checkbox"/> Si <input type="checkbox"/> Csi <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | Downscale: _____ | <input type="checkbox"/> Other: _____ |
| Beam: <input type="checkbox"/> 74Kr degraded <input type="checkbox"/> 74Kr <input type="checkbox"/> proton | <input type="checkbox"/> Other: _____ | Vacuum: _____ e- torr | |
| Target: <input type="checkbox"/> Viewer <input type="checkbox"/> Mask | <input type="checkbox"/> CH2 100um <input type="checkbox"/> Au | <input type="checkbox"/> CH2 50um <input type="checkbox"/> Alpha | <input type="checkbox"/> out <input type="checkbox"/> Empty |
| MCP I: _____ | Voltage on? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | MCP 0 (US): <input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | Drive Positions: _____ mm Target (I251Y-R) _____ mm MCP 0 (US) (I250Y-R) _____ mm MCP 1 (DS) (I250X-R) |
| MCP HV: _____ | MCP 1 (DS): <input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | |
| S800 | Segment 8 Brho: _____ | Barney print out? <input type="checkbox"/> yes <input type="checkbox"/> no | |
| Slit settings: <input type="checkbox"/> wide open <input type="checkbox"/> _____ mm | Attenuation: _____ | | |

Comments:

Checking pulses w/ ramp for thresholds

→ dropped some thresholds by 10 more units to test
Using SETUP file: e10015 adjusted setup

Run 221 → Junk

| | | | |
|--|--|--|---|
| v. 3.2 Run # <u>222-203</u> | Date: <u>11/5/14</u> | Start: <u>3:00</u> | Stop: |
| Your Name: <u>Yuh</u> | Also on Shift: <input checked="" type="checkbox"/> Andy <input type="checkbox"/> Ben <input checked="" type="checkbox"/> Bill <input checked="" type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Han <input checked="" type="checkbox"/> Jack <input checked="" type="checkbox"/> Jenny <input type="checkbox"/> Jon | | |
| Merged runs? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | <input type="checkbox"/> Juan <input checked="" type="checkbox"/> Justin <input checked="" type="checkbox"/> Kyle <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input checked="" type="checkbox"/> Zibi <input type="checkbox"/> _____ | | |
| Run Type: <input type="checkbox"/> Data | Singles: (<input checked="" type="checkbox"/> HIRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | Calib: (<input type="checkbox"/> HIRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) <input type="checkbox"/> CRDC | |
| Trigger: <input type="checkbox"/> S800+HIRA coin | Singles: (<input checked="" type="checkbox"/> Si <input type="checkbox"/> Csl <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | Downscale: _____ <input type="checkbox"/> Other: _____ | |
| Beam: <input type="checkbox"/> 74Kr degraded <input checked="" type="checkbox"/> 74Kr <input type="checkbox"/> proton | <input type="checkbox"/> Other: _____ | | Vacuum: _____ e- torr |
| Target: <input type="checkbox"/> Viewer <input checked="" type="checkbox"/> CH2 100um <input type="checkbox"/> CH2 50um <input type="checkbox"/> out | <input type="checkbox"/> Mask <input type="checkbox"/> Au <input type="checkbox"/> Alpha <input type="checkbox"/> Empty | | Drive Positions: <u>83</u> mm Target (I251Y-R) _____ mm MCP 0 (US) (I250Y-R) _____ mm MCP 1 (DS) (I250X-R) |
| MCP I: _____ | Voltage on? <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No | MCP 0 (US): <input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | |
| MCP HV: _____ | | MCP 1 (DS): <input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | |
| S800 | Segment 8 Brho: _____ | Barney print out? <input type="checkbox"/> yes <input type="checkbox"/> no | |
| Slit settings: <input type="checkbox"/> wide open <input type="checkbox"/> _____ mm | Attenuation: _____ | | |

Comments:

Both runs to test the Si threshold.
Run 222 with 74Kr
With Pulser

(CsI Gain change to 245)

| | | | |
|--|---|--|---|
| v. 3.2 Run # <u>224</u> | Date: <u>11/5/14</u> | Start: | Stop: |
| Your Name: <u>Suwat</u> | Also on Shift: <input checked="" type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Bill <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Han <input type="checkbox"/> Jack <input checked="" type="checkbox"/> Jenny <input checked="" type="checkbox"/> Jon | | |
| Merged runs? <input type="checkbox"/> Yes <input type="checkbox"/> No | <input type="checkbox"/> Juan <input type="checkbox"/> Justin <input checked="" type="checkbox"/> Kyle <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input checked="" type="checkbox"/> Sean <input checked="" type="checkbox"/> Suwat <input checked="" type="checkbox"/> Zibi <input type="checkbox"/> _____ | | |
| Run Type: <input type="checkbox"/> Data | Singles: (<input checked="" type="checkbox"/> HIRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | Calib: (<input type="checkbox"/> HIRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) <input type="checkbox"/> CRDC | |
| Trigger: <input type="checkbox"/> S800+HIRA coin | Singles: (<input checked="" type="checkbox"/> Si <input type="checkbox"/> Csl <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | Downscale: _____ <input type="checkbox"/> Other: _____ | |
| Beam: <input type="checkbox"/> 74Kr degraded <input checked="" type="checkbox"/> 74Kr <input type="checkbox"/> proton | <input type="checkbox"/> Other: _____ | | Vacuum: _____ e- torr |
| Target: <input type="checkbox"/> Viewer <input checked="" type="checkbox"/> CH2 100um <input type="checkbox"/> CH2 50um <input type="checkbox"/> out | <input type="checkbox"/> Mask <input type="checkbox"/> Au <input type="checkbox"/> Alpha <input type="checkbox"/> Empty | | Drive Positions: <u>83</u> mm Target (I251Y-R) _____ mm MCP 0 (US) (I250Y-R) _____ mm MCP 1 (DS) (I250X-R) |
| MCP I: _____ | Voltage on? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | MCP 0 (US): <input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | |
| MCP HV: _____ | | MCP 1 (DS): <input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | |
| S800 | Segment 8 Brho: _____ | Barney print out? <input type="checkbox"/> yes <input type="checkbox"/> no | |
| Slit settings: <input type="checkbox"/> wide open <input type="checkbox"/> _____ mm | Attenuation: _____ | | |

Comments:

| | | | | | | | |
|----------------|---|--|-----------------------------------|--|------------------|---------------------------------------|-----------|
| v. 3.2 Run # | 228 | Date: | 11/5/14 | Start: | 7:35 pm | Stop: | |
| Your Name: | Suwat | Also on Shift: <input checked="" type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Bill <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Han <input type="checkbox"/> Jack <input checked="" type="checkbox"/> Jenny <input checked="" type="checkbox"/> Jon | | | | | |
| Merged runs? | <input type="checkbox"/> Yes <input type="checkbox"/> No | <input type="checkbox"/> Juan <input type="checkbox"/> Justin <input checked="" type="checkbox"/> Kyle <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input checked="" type="checkbox"/> Sean <input checked="" type="checkbox"/> Suwat <input checked="" type="checkbox"/> Zibi <input type="checkbox"/> | | | | | |
| Run Type: | <input type="checkbox"/> Data | Singles: (<input checked="" type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | | Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | | <input type="checkbox"/> CRDC | |
| Trigger: | <input type="checkbox"/> S800+HiRA coin | Singles: (<input checked="" type="checkbox"/> Si <input type="checkbox"/> Csl <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | | Downscale: _____ | | <input type="checkbox"/> Other: _____ | |
| Beam: | <input type="checkbox"/> 74Kr degraded | <input checked="" type="checkbox"/> 74Kr | <input type="checkbox"/> proton | Other: _____ | | Vacuum: _____ e- torr | |
| Target: | <input type="checkbox"/> Viewer <input type="checkbox"/> Mask | <input checked="" type="checkbox"/> CH2 100um | <input type="checkbox"/> CH2 50um | <input type="checkbox"/> out | Drive Positions: | | |
| | | <input type="checkbox"/> Au | <input type="checkbox"/> Alpha | <input type="checkbox"/> Empty | 83 mm | Target | (I251Y-R) |
| MCP I: _____ | Voltage on? | MCP 0 (US): | | <input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | _____ mm | MCP 0 (US) | (I250Y-R) |
| HV: _____ | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | MCP 1 (DS): | | <input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | _____ mm | MCP 1 (DS) | (I250X-R) |
| S800 | Segment 8 Brho: | | | Barney print out? <input type="checkbox"/> yes <input type="checkbox"/> no | | | |
| Slit settings: | <input type="checkbox"/> wide open | <input type="checkbox"/> _____ mm | Attenuation: | | | | |

Comments:

| | | | | | | | |
|----------------|---|--|-----------------------------------|--|------------------|---------------------------------------|-----------|
| v. 3.2 Run # | 229 | Date: | 11/5/14 | Start: | 7:56 pm | Stop: | |
| Your Name: | Suwat | Also on Shift: <input checked="" type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Bill <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Han <input type="checkbox"/> Jack <input checked="" type="checkbox"/> Jenny <input checked="" type="checkbox"/> Jon | | | | | |
| Merged runs? | <input type="checkbox"/> Yes <input type="checkbox"/> No | <input type="checkbox"/> Juan <input checked="" type="checkbox"/> Justin <input checked="" type="checkbox"/> Kyle <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input checked="" type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Zibi <input type="checkbox"/> | | | | | |
| Run Type: | <input type="checkbox"/> Data | Singles: (<input checked="" type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | | Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | | <input type="checkbox"/> CRDC | |
| Trigger: | <input type="checkbox"/> S800+HiRA coin | Singles: (<input checked="" type="checkbox"/> Si <input type="checkbox"/> Csl <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | | Downscale: _____ | | <input type="checkbox"/> Other: _____ | |
| Beam: | <input type="checkbox"/> 74Kr degraded | <input checked="" type="checkbox"/> 74Kr | <input type="checkbox"/> proton | Other: _____ | | Vacuum: _____ e- torr | |
| Target: | <input type="checkbox"/> Viewer <input type="checkbox"/> Mask | <input checked="" type="checkbox"/> CH2 100um | <input type="checkbox"/> CH2 50um | <input type="checkbox"/> out | Drive Positions: | | |
| | | <input type="checkbox"/> Au | <input type="checkbox"/> Alpha | <input type="checkbox"/> Empty | 83 mm | Target | (I251Y-R) |
| MCP I: _____ | Voltage on? | MCP 0 (US): | | <input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | _____ mm | MCP 0 (US) | (I250Y-R) |
| HV: _____ | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | MCP 1 (DS): | | <input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | _____ mm | MCP 1 (DS) | (I250X-R) |
| S800 | Segment 8 Brho: | | | Barney print out? <input type="checkbox"/> yes <input type="checkbox"/> no | | | |
| Slit settings: | <input type="checkbox"/> wide open | <input type="checkbox"/> _____ mm | Attenuation: | | | | |

Comments:

| | | | | | | | |
|---------------------------|--|--|---------|--|---------|--|--|
| v. 3.2 Run # | 230 | Date: | 11/5/14 | Start: | 8:25 pm | Stop: | |
| Your Name: | Swat | Also on Shift: <input checked="" type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Bill <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Han <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input checked="" type="checkbox"/> Jon | | | | | |
| Merged runs? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | <input type="checkbox"/> Juan <input type="checkbox"/> Justin <input checked="" type="checkbox"/> Kyle <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input checked="" type="checkbox"/> Sean <input checked="" type="checkbox"/> Suwat <input type="checkbox"/> Zibi <input type="checkbox"/> _____ | | | | | |
| Run Type: | <input type="checkbox"/> Data | Singles: (<input checked="" type="checkbox"/> HIRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | | Calib: (<input type="checkbox"/> HIRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | | <input type="checkbox"/> CRDC | |
| Trigger: | <input type="checkbox"/> S800+HIRA coin | Singles: (<input checked="" type="checkbox"/> Si <input type="checkbox"/> CsI <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | | Downscale: _____ <input type="checkbox"/> Other: _____ | | | |
| Beam: | <input type="checkbox"/> 74Kr degraded | <input checked="" type="checkbox"/> 74Kr <input type="checkbox"/> proton | | <input type="checkbox"/> Other: _____ | | Vacuum: _____ e- torr | |
| Target: | <input type="checkbox"/> Viewer <input type="checkbox"/> Mask | <input checked="" type="checkbox"/> CH2 100um <input type="checkbox"/> Au | | <input type="checkbox"/> CH2 50um <input type="checkbox"/> Alpha | | <input type="checkbox"/> out <input type="checkbox"/> Empty | |
| MCP I: _____ HV: _____ | Voltage on? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | MCP 0 (US): <input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | MCP 1 (DS): <input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | Drive Positions: 83 mm Target (I251Y-R) _____ mm MCP 0 (US) (I250Y-R) _____ mm MCP 1 (DS) (I250X-R) | |
| S800 | Segment 8 Brho: _____ | Barney print out? <input type="checkbox"/> yes <input type="checkbox"/> no | | | | | |
| Slit settings: | <input type="checkbox"/> wide open <input type="checkbox"/> _____ mm | Attenuation: _____ | | | | | |

Comments:

The MCP position signal fast amps (gens + offsets) were tweaked until they were reasonably gain matched.

| | | | | | | | |
|---------------------------|--|--|---------|---|------|---|--|
| v. 3.2 Run # | 231 | Date: | 11/6/14 | Start: | 1:25 | Stop: | |
| Your Name: | Kyle | Also on Shift: <input checked="" type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Bill <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Han <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon | | | | | |
| Merged runs? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | <input checked="" type="checkbox"/> Juan <input type="checkbox"/> Justin <input checked="" type="checkbox"/> Kyle <input type="checkbox"/> Mingbo <input checked="" type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Zibi <input type="checkbox"/> _____ | | | | | |
| Run Type: | <input type="checkbox"/> Data | Singles: (<input type="checkbox"/> HIRA <input type="checkbox"/> S800 <input checked="" type="checkbox"/> MCP) | | Calib: (<input type="checkbox"/> HIRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | | <input type="checkbox"/> CRDC | |
| Trigger: | <input type="checkbox"/> S800+HIRA coin | Singles: (<input type="checkbox"/> Si <input type="checkbox"/> CsI <input type="checkbox"/> S800 <input checked="" type="checkbox"/> MCP) | | Downscale: 1 <input type="checkbox"/> Other: _____ | | | |
| Beam: | <input type="checkbox"/> 74Kr degraded | <input checked="" type="checkbox"/> 74Kr <input type="checkbox"/> proton | | <input type="checkbox"/> Other: _____ | | Vacuum: _____ e- torr | |
| Target: | <input type="checkbox"/> Viewer <input type="checkbox"/> Mask | <input checked="" type="checkbox"/> CH2 100um <input type="checkbox"/> Au | | <input type="checkbox"/> CH2 50um <input type="checkbox"/> Alpha | | <input type="checkbox"/> out <input type="checkbox"/> Empty | |
| MCP I: _____ HV: _____ | Voltage on? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | MCP 0 (US): <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | MCP 1 (DS): <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | Drive Positions: 83 mm Target (I251Y-R) 70.5 mm MCP 0 (US) (I250Y-R) 107.5 mm MCP 1 (DS) (I250X-R) | |
| S800 | Segment 8 Brho: _____ | Barney print out? <input type="checkbox"/> yes <input checked="" type="checkbox"/> no | | | | | |
| Slit settings: | <input type="checkbox"/> wide open <input type="checkbox"/> _____ mm | Attenuation: _____ | | | | | |

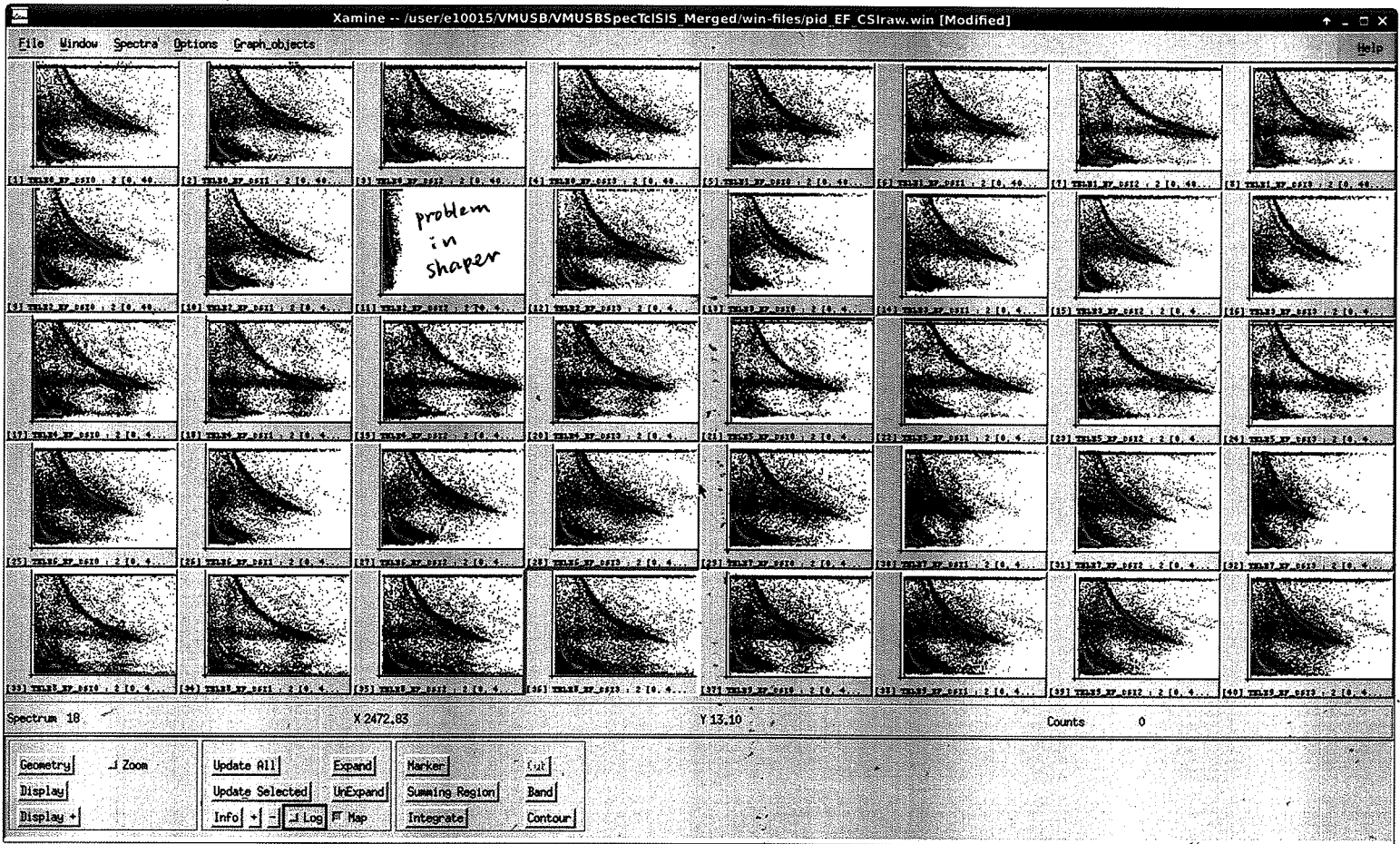
Comments:

MCP 0 = 1800V, MCP 1 = 1700V

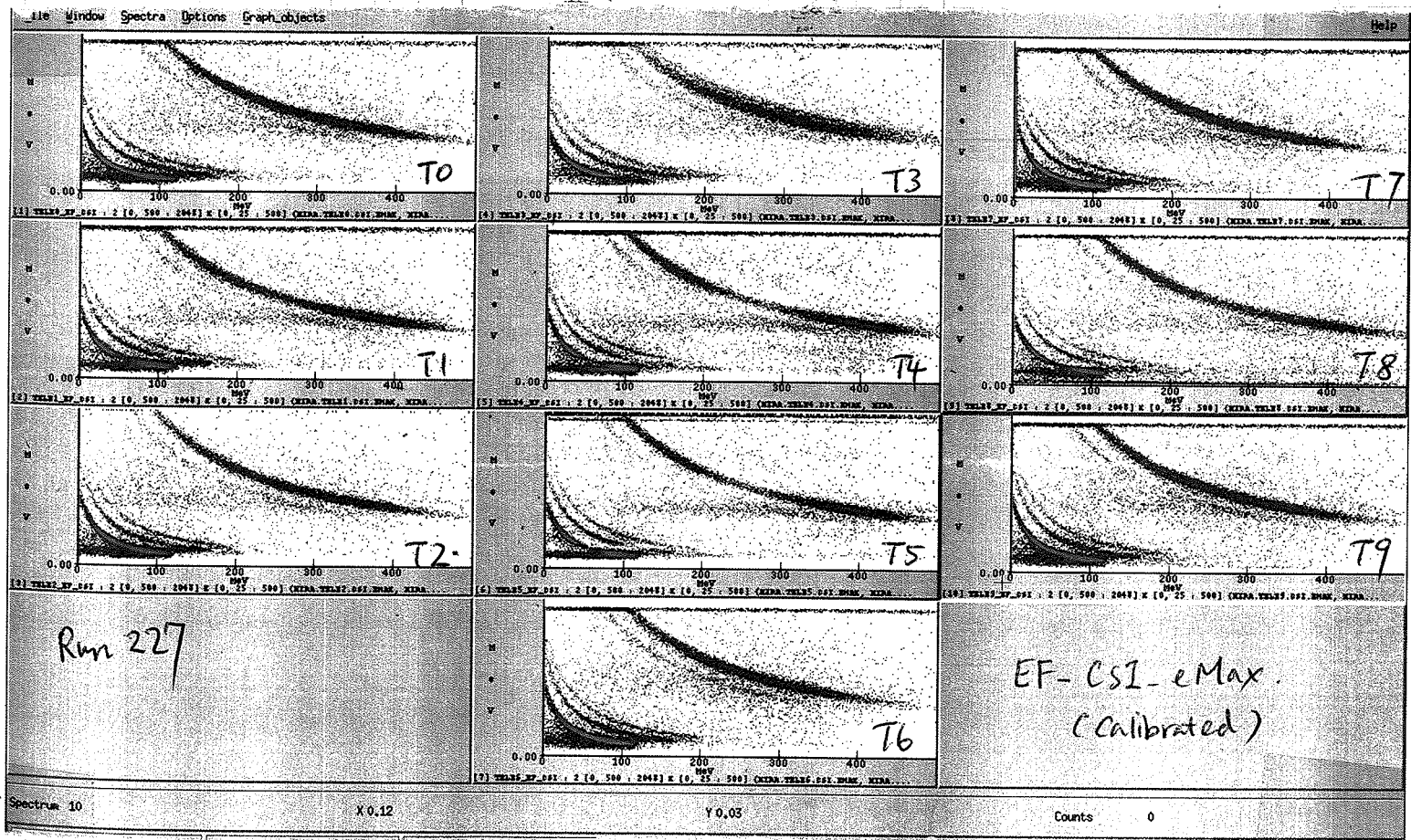
Run 227

EF(Calib) - CsI (Raw)

used for CsI Calibrations



CsI Calibration File = CsIcalib-Merged.vdef



Built

| | | | |
|---|--|---|--|
| v. 3.2 Run # <u>232</u> | Date: <u>11/6/14</u> | Start: <u>216</u> | Stop: |
| Your Name: <u>BLC</u> | Also on Shift: <input checked="" type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Bill <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Han <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon | | |
| Merged runs? <input type="checkbox"/> Yes <input type="checkbox"/> No | <input checked="" type="checkbox"/> Juan <input type="checkbox"/> Justin <input checked="" type="checkbox"/> Kyle <input type="checkbox"/> Mingbo <input checked="" type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Zibi | | |
| Run Type: <input type="checkbox"/> Data | Singles: (<input type="checkbox"/> HiRA <input checked="" type="checkbox"/> S800 <input type="checkbox"/> MCP) | Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | <input type="checkbox"/> CRDC |
| Trigger: <input type="checkbox"/> S800+HiRA coin | Singles: (<input type="checkbox"/> Si <input type="checkbox"/> Csl <input checked="" type="checkbox"/> S800 <input type="checkbox"/> MCP) | Downscale: _____ | <input type="checkbox"/> Other: _____ |
| Beam: <input type="checkbox"/> 74Kr degraded | <input checked="" type="checkbox"/> 74Kr <input type="checkbox"/> proton | <input type="checkbox"/> Other: _____ | |
| Target: <input type="checkbox"/> Viewer | <input checked="" type="checkbox"/> CH2 100um | <input type="checkbox"/> CH2 50um | <input type="checkbox"/> out |
| <input type="checkbox"/> Mask | <input type="checkbox"/> Au | <input type="checkbox"/> Alpha | <input type="checkbox"/> Empty |
| MCP I: _____ | Voltage on? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | MCP 0 (US): <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | Drive Positions: <u>83</u> mm Target (I251Y-R) <u>70.5</u> mm MCP 0 (US) (I250Y-R) <u>107.5</u> mm MCP 1 (DS) (I250X-R) |
| HV: _____ | MCP 1 (DS): <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | |
| S800 | Segment 8 Brho: _____ | Barney print out? <input type="checkbox"/> yes <input type="checkbox"/> no | |
| Slit settings: <input type="checkbox"/> wide open | <input type="checkbox"/> _____ mm | Attenuation: _____ | |

Comments:

Built

| | | | |
|---|--|---|--|
| v. 3.2 Run # <u>233</u> | Date: <u>11/6/14</u> | Start: <u>02:26</u> | Stop: <u>03:34</u> |
| Your Name: <u>Juan</u> | Also on Shift: <input checked="" type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Bill <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Han <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon | | |
| Merged runs? <input type="checkbox"/> Yes <input type="checkbox"/> No | <input checked="" type="checkbox"/> Juan <input type="checkbox"/> Justin <input checked="" type="checkbox"/> Kyle <input type="checkbox"/> Mingbo <input checked="" type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Zibi | | |
| Run Type: <input type="checkbox"/> Data | Singles: (<input type="checkbox"/> HiRA <input checked="" type="checkbox"/> S800 <input type="checkbox"/> MCP) | Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | <input type="checkbox"/> CRDC |
| Trigger: <input checked="" type="checkbox"/> S800+HiRA coin | Singles: (<input type="checkbox"/> Si <input type="checkbox"/> Csl <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | Downscale: _____ | <input type="checkbox"/> Other: _____ |
| Beam: <input type="checkbox"/> 74Kr degraded | <input checked="" type="checkbox"/> 74Kr <input type="checkbox"/> proton | <input type="checkbox"/> Other: _____ | |
| Target: <input type="checkbox"/> Viewer | <input checked="" type="checkbox"/> CH2 100um | <input type="checkbox"/> CH2 50um | <input type="checkbox"/> out |
| <input type="checkbox"/> Mask | <input type="checkbox"/> Au | <input type="checkbox"/> Alpha | <input type="checkbox"/> Empty |
| MCP I: _____ | Voltage on? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | MCP 0 (US): <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | Drive Positions: <u>83</u> mm Target (I251Y-R) <u>70.5</u> mm MCP 0 (US) (I250Y-R) <u>107.5</u> mm MCP 1 (DS) (I250X-R) |
| HV: _____ | MCP 1 (DS): <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | |
| S800 | Segment 8 Brho: _____ | Barney print out? <input type="checkbox"/> yes <input type="checkbox"/> no | |
| Slit settings: <input type="checkbox"/> wide open | <input type="checkbox"/> _____ mm | Attenuation: _____ | |

Comments:

T8 EF: one chip not working

| | | | |
|--|---|--|---|
| v. 3.3 Run # <u>234</u> | Date: <u>11/6/14</u> | Start: <u>03:35</u> | Stop: <u>4:38</u> |
| Your Name: <u>Juan</u> | Also on Shift: <input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Bill <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Han <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon | | |
| Built data? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | <input checked="" type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Kyle <input type="checkbox"/> Mingbo <input checked="" type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Zibi | | |
| Run Type: <input type="checkbox"/> Data | Singles: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | <input type="checkbox"/> CRDC <input type="checkbox"/> Junk |
| S800 Trigger Box: (1+) <input type="checkbox"/> S800 <input checked="" type="checkbox"/> Coin | <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____) | <input type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____) | <input type="checkbox"/> Sec.: _____ |
| HiRA Trigger: <input checked="" type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl | Beam: <input type="checkbox"/> 74Kr <input type="checkbox"/> 74Kr degraded <input type="checkbox"/> proton | | |
| Target: <input type="checkbox"/> Viewer | <input checked="" type="checkbox"/> CH2 100um | <input type="checkbox"/> CH2 50um | <input type="checkbox"/> out |
| <input type="checkbox"/> Mask | <input type="checkbox"/> Au | <input type="checkbox"/> Alpha | <input type="checkbox"/> Empty |
| MCP MCP 0 (US): | V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | Drive Positions: <u>85</u> mm Target (I251Y-R) <u>70.5</u> mm MCP 0 (US) (I250Y-R) <u>107.5</u> mm MCP 1 (DS) (I250X-R) | |
| MCP 1 (DS): | V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | |
| MCP Voltage on? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | S800 Segment 8 Brho: _____ | Vacuum: _____ e- torr | |

Comments:

| | | | | | | | |
|-------------------|---|---|---------|---|------|---|------|
| v. 3.3 Run # | 235 | Date: | 11/6/14 | Start: | 4:40 | Stop: | 5:42 |
| Your Name: | Juan | Also on Shift: <input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Bill <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Han <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon | | | | | |
| Built data? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | <input checked="" type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Kyle <input type="checkbox"/> Mingbo <input checked="" type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Zibi <input type="checkbox"/> _____ | | | | | |
| Run Type: | <input type="checkbox"/> Data | Singles: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | | Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | | <input type="checkbox"/> CRDC <input type="checkbox"/> Junk | |
| S800 Trigger Box: | (1+) <input type="checkbox"/> S800 <input checked="" type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____) | <input type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____) | | <input type="checkbox"/> Sec.: _____ | | | |
| HiRA Trigger: | <input checked="" type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl | Beam: <input checked="" type="checkbox"/> 74Kr <input type="checkbox"/> 74Kr degraded <input type="checkbox"/> proton <input type="checkbox"/> _____ | | | | | |
| Target: | <input type="checkbox"/> Viewer <input checked="" type="checkbox"/> CH2 100um <input type="checkbox"/> CH2 50um <input type="checkbox"/> out | <input type="checkbox"/> Mask <input type="checkbox"/> Au <input type="checkbox"/> Alpha <input type="checkbox"/> Empty | | Drive Positions: | | | |
| MCP MCP 0 (US): | V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | MCP 1 (DS): | | V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | 83 mm Target (I251Y-R) | |
| MCP Voltage on? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | S800 Segment 8 Brho: | | Vacuum: | | 70.5 mm MCP 0 (US) (I250Y-R) | |
| | | | | | | 107.5 mm MCP 1 (DS) (I250X-R) | |
| Comments: | | | | | | | |

Run 235 Scalers (rates) 4:41 AM

| XFP.Scint | E1 up | E1 down | Live.triggers | S800.trigger |
|-------------------------|-----------------|-----------------|-------------------|--|
| ~115,000 | ~1750 | ~1750 | ~10 | ~1700 |
| Csl OR of ORs | EB Or (MB1+MB2) | EF Or (MB1+MB2) | HiRA_live_trigger | |
| ~115 | 180 + 120 = 300 | 210 + 180 = 390 | ~240 | |
| Print SpecTcl? | | | | <input type="checkbox"/> Yes <input type="checkbox"/> No |
| Check Leakage Currents? | | | | <input checked="" type="checkbox"/> OK <input type="checkbox"/> Not OK |
| Barney Print Out? | | | | <input type="checkbox"/> Yes <input type="checkbox"/> No |

| | | | | | | | |
|---|---|---|---------|---|------|---|------|
| v. 3.3 Run # | 236 | Date: | 11/6/14 | Start: | 5:42 | Stop: | 6:12 |
| Your Name: | Rachel | Also on Shift: <input type="checkbox"/> Andy <input type="checkbox"/> Ben <input checked="" type="checkbox"/> Bill <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Han <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon | | | | | |
| Built data? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | <input checked="" type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Kyle <input type="checkbox"/> Mingbo <input checked="" type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Zibi <input type="checkbox"/> _____ | | | | | |
| Run Type: | <input type="checkbox"/> Data | Singles: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | | Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | | <input type="checkbox"/> CRDC <input type="checkbox"/> Junk | |
| S800 Trigger Box: | (1+) <input type="checkbox"/> S800 <input checked="" type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____) | <input type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____) | | <input type="checkbox"/> Sec.: _____ | | | |
| HiRA Trigger: | <input checked="" type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl | Beam: <input checked="" type="checkbox"/> 74Kr <input type="checkbox"/> 74Kr degraded <input type="checkbox"/> proton <input type="checkbox"/> _____ | | | | | |
| Target: | <input type="checkbox"/> Viewer <input checked="" type="checkbox"/> CH2 100um <input type="checkbox"/> CH2 50um <input type="checkbox"/> out | <input type="checkbox"/> Mask <input type="checkbox"/> Au <input type="checkbox"/> Alpha <input type="checkbox"/> Empty | | Drive Positions: | | | |
| MCP MCP 0 (US): | V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | MCP 1 (DS): | | V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | 83 mm Target (I251Y-R) | |
| MCP Voltage on? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | S800 Segment 8 Brho: | | Vacuum: | | 70.5 mm MCP 0 (US) (I250Y-R) | |
| | | | | | | 107.5 mm MCP 1 (DS) (I250X-R) | |
| Comments: Ended run because magnets leading in to S800 vault were draining, had ~10-20% of beam going in. Magnets are filling back up on their own so we'll continue taking data. | | | | | | | |

| | | | | | | | |
|------------------------|--|--|------|--|------|---|------|
| v. 3.3 Run # | 237 | Date: | 11/6 | Start: | 6:12 | Stop: | 7:12 |
| Your Name: | Rachel | Also on Shift: <input type="checkbox"/> Andy <input type="checkbox"/> Ben <input checked="" type="checkbox"/> Bill <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Han <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon | | | | | |
| Built data? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | <input checked="" type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Kyle <input type="checkbox"/> Mingbo <input checked="" type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Zibi | | | | | |
| Run Type: | <input checked="" type="checkbox"/> Data | Singles: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | | Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | | <input type="checkbox"/> CRDC <input type="checkbox"/> Junk | |
| S800 Trigger Box: (1+) | <input type="checkbox"/> S800 <input checked="" type="checkbox"/> Coin. | Ext. 1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____) | | Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____) | | Sec.: _____ | |
| HiRA Trigger: | <input checked="" type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl | Beam: <input checked="" type="checkbox"/> 74Kr <input type="checkbox"/> 74Kr degraded <input type="checkbox"/> proton <input type="checkbox"/> _____ | | | | | |
| Target: | <input type="checkbox"/> Viewer <input checked="" type="checkbox"/> CH2 100um <input type="checkbox"/> CH2 50um <input type="checkbox"/> out | <input type="checkbox"/> Mask <input type="checkbox"/> Au <input type="checkbox"/> Alpha <input type="checkbox"/> Empty | | Drive Positions: | | | |
| MCP MCP 0 (US): | V: _____ I: _____ <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | 83 mm Target (I251Y-R) | | 70.5 mm MCP 0 (US) (I250Y-R) | | | |
| MCP 1 (DS): | V: _____ I: _____ <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | 107.5 mm MCP 1 (DS) (I250X-R) | | | | | |
| MCP Voltage on? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | S800 Segment 8 Brho: 0.819 | | Vacuum: 5 e-6 torr | | | |
| Comments: | | | | | | | |

| | | | | | | | |
|---|--|---|------|--|------|---|------|
| v. 3.3 Run # | 238 | Date: | 11/6 | Start: | 7:12 | Stop: | 7:18 |
| Your Name: | Rachel | Also on Shift: <input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Bill <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Han <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon | | | | | |
| Built data? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | <input checked="" type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Kyle <input type="checkbox"/> Mingbo <input checked="" type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Zibi | | | | | |
| Run Type: | <input checked="" type="checkbox"/> Data | Singles: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | | Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | | <input type="checkbox"/> CRDC <input type="checkbox"/> Junk | |
| S800 Trigger Box: (1+) | <input type="checkbox"/> S800 <input checked="" type="checkbox"/> Coin. | Ext. 1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____) | | Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____) | | Sec.: _____ | |
| HiRA Trigger: | <input checked="" type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl | Beam: <input type="checkbox"/> 74Kr <input type="checkbox"/> 74Kr degraded <input type="checkbox"/> proton <input type="checkbox"/> _____ | | | | | |
| Target: | <input type="checkbox"/> Viewer <input checked="" type="checkbox"/> CH2 100um <input type="checkbox"/> CH2 50um <input type="checkbox"/> out | <input type="checkbox"/> Mask <input type="checkbox"/> Au <input type="checkbox"/> Alpha <input type="checkbox"/> Empty | | Drive Positions: | | | |
| MCP MCP 0 (US): | V: _____ I: _____ <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | 83 mm Target (I251Y-R) | | 70.5 mm MCP 0 (US) (I250Y-R) | | | |
| MCP 1 (DS): | V: _____ I: _____ <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | 107.5 mm MCP 1 (DS) (I250X-R) | | | | | |
| MCP Voltage on? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | S800 Segment 8 Brho: | | Vacuum: 4.9 e-6 torr | | | |
| Comments: Trying to delay XFP time to center window - to move TOF from -2000 to 0 End run to This run is consistent with previous runs! | | | | | | | |

| | | | | | | | |
|---|--|--|------|--|------|---|------|
| v. 3.3 Run # | 239 | Date: | 11/6 | Start: | 7:22 | Stop: | 8:23 |
| Your Name: | Rachel | Also on Shift: <input type="checkbox"/> Andy <input type="checkbox"/> Ben <input checked="" type="checkbox"/> Bill <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Han <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon | | | | | |
| Built data? | <input type="checkbox"/> Yes <input type="checkbox"/> No | <input checked="" type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Kyle <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Zibi | | | | | |
| Run Type: | <input checked="" type="checkbox"/> Data | Singles: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | | Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | | <input type="checkbox"/> CRDC <input type="checkbox"/> Junk | |
| S800 Trigger Box: (1+) | <input type="checkbox"/> S800 <input checked="" type="checkbox"/> Coin. | Ext. 1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____) | | Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____) | | Sec.: _____ | |
| HiRA Trigger: | <input checked="" type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl | Beam: <input checked="" type="checkbox"/> 74Kr <input type="checkbox"/> 74Kr degraded <input type="checkbox"/> proton <input type="checkbox"/> _____ | | | | | |
| Target: | <input type="checkbox"/> Viewer <input checked="" type="checkbox"/> CH2 100um <input type="checkbox"/> CH2 50um <input type="checkbox"/> out | <input type="checkbox"/> Mask <input type="checkbox"/> Au <input type="checkbox"/> Alpha <input type="checkbox"/> Empty | | Drive Positions: | | | |
| MCP MCP 0 (US): | V: _____ I: _____ <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | 83 mm Target (I251Y-R) | | 70.5 mm MCP 0 (US) (I250Y-R) | | | |
| MCP 1 (DS): | V: _____ I: _____ <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | 107.5 mm MCP 1 (DS) (I250X-R) | | | | | |
| MCP Voltage on? | <input type="checkbox"/> Yes <input type="checkbox"/> No | S800 Segment 8 Brho: | | Vacuum: 4.9 e-6 torr | | | |
| Comments: 100 ns delay added to XF Scnt CFD before start of run | | | | | | | |

BEAM INC. X2 (83 nA → ~160 nA)

Run 240 Scalers (rates) 8:31 AM

| | | | | |
|-------------------------|-----------------|--|---------------------------------|--------------|
| XFP.Scint | E1 up | E1 down | Live.triggers | S800.trigger |
| ~180,000 | 2800 | 2800 | ~20 | ~2900 |
| Csl OR of ORs | EB Or (MB1+MB2) | EF Or (MB1+MB2) | HIRA live trigger | |
| ~170 | 250+200=450 | 275+300=575 | 370 | |
| Print Spectd? | | <input type="checkbox"/> Yes | <input type="checkbox"/> No | |
| Check Leakage Currents? | | <input checked="" type="checkbox"/> OK | <input type="checkbox"/> Not OK | |
| Barney Print Out? | | <input type="checkbox"/> Yes | <input type="checkbox"/> No | |

| | | | | | | | | |
|-------------------|---|----------------------|--|--------|-------|-------|---------|--------------|
| v. 3.3 Run # | 240 | Date: | 6 Nov 2014 | Start: | 09:29 | Stop: | 09:29 | |
| Your Name: | Cole P. | Also on Shift: | <input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Bill <input checked="" type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Han <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon <input checked="" type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Kyle <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Zibi | | | | | |
| Built data? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | | | | | | | |
| Run Type: | <input checked="" type="checkbox"/> Data | Singles: | <input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP <input type="checkbox"/> CRDC <input type="checkbox"/> Junk | | | | | |
| S800 Trigger Box: | (1+) <input type="checkbox"/> S800 <input checked="" type="checkbox"/> Coin | Ext.1 | <input type="checkbox"/> pulser <input type="checkbox"/> Ext. 2 <input type="checkbox"/> MCP DS <input type="checkbox"/> Sec.: | | | | | |
| HIRA Trigger: | <input checked="" type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl | Beam: | <input checked="" type="checkbox"/> 74Kr <input type="checkbox"/> 74Kr degraded <input type="checkbox"/> proton | | | | | |
| Target: | <input type="checkbox"/> Viewer <input checked="" type="checkbox"/> CH2 100um <input type="checkbox"/> CH2 50um <input type="checkbox"/> out <input type="checkbox"/> Mask <input type="checkbox"/> Au <input type="checkbox"/> Alpha <input type="checkbox"/> Empty | Drive Positions: | _____ mm Target (I251Y-R) _____ mm MCP 0 (US) (I250Y-R) _____ mm MCP 1 (DS) (I250X-R) | | | | | |
| MCP MCP 0 (US): | V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | | | | | |
| MCP 1 (DS): | V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | | | | | |
| MCP Voltage on? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | S800 Segment 8 Brho: | | | | | Vacuum: | 7.7 e-6 torr |
| Comments: | Before this run beam increased by factor of 2 | | | | | | | |

| | | | | | | | | |
|-------------------|---|----------------------|---|--------|-------|-------|---------|--------------|
| v. 3.3 Run # | 241 | Date: | 6 Nov. | Start: | 09:31 | Stop: | 10:32 | |
| Your Name: | Cole | Also on Shift: | <input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Bill <input checked="" type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Han <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon <input type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Kyle <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Zibi | | | | | |
| Built data? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | | | | | | | |
| Run Type: | <input checked="" type="checkbox"/> Data | Singles: | <input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP <input type="checkbox"/> CRDC <input type="checkbox"/> Junk | | | | | |
| S800 Trigger Box: | (1+) <input type="checkbox"/> S800 <input checked="" type="checkbox"/> Coin | Ext.1 | <input type="checkbox"/> pulser <input type="checkbox"/> Ext. 2 <input type="checkbox"/> MCP DS <input type="checkbox"/> Sec.: | | | | | |
| HIRA Trigger: | <input checked="" type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl | Beam: | <input checked="" type="checkbox"/> 74Kr <input type="checkbox"/> 74Kr degraded <input type="checkbox"/> proton | | | | | |
| Target: | <input type="checkbox"/> Viewer <input checked="" type="checkbox"/> CH2 100um <input type="checkbox"/> CH2 50um <input type="checkbox"/> out <input type="checkbox"/> Mask <input type="checkbox"/> Au <input type="checkbox"/> Alpha <input type="checkbox"/> Empty | Drive Positions: | 83 mm Target (I251Y-R) 70.5 mm MCP 0 (US) (I250Y-R) 107.5 mm MCP 1 (DS) (I250X-R) | | | | | |
| MCP MCP 0 (US): | V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | | | | | |
| MCP 1 (DS): | V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | | | | | |
| MCP Voltage on? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | S800 Segment 8 Brho: | 2.2954 Tm | | | | Vacuum: | 4.7 e-6 torr |
| Comments: | | | | | | | | |

| | | | | | | | |
|-------------------|--|---|------------|---|-------|---|-------|
| v. 3.3 Run # | 242 | Date: | 6 Nov 2014 | Start: | 10:34 | Stop: | 11:28 |
| Your Name: | Cole P. | Also on Shift: <input type="checkbox"/> Andy <input type="checkbox"/> Ben <input checked="" type="checkbox"/> Bill <input checked="" type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Han <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon | | | | | |
| Built data? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | <input type="checkbox"/> Juan <input checked="" type="checkbox"/> Justin <input type="checkbox"/> Kyle <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Zibi <input type="checkbox"/> _____ | | | | | |
| Run Type: | <input checked="" type="checkbox"/> Data | Singles: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | | Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | | <input type="checkbox"/> CRDC <input type="checkbox"/> Junk | |
| S800 Trigger Box: | (1+) <input type="checkbox"/> S800 <input checked="" type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____) | <input type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____) | | <input type="checkbox"/> Sec.: _____ | | | |
| HiRA Trigger: | <input checked="" type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl | Beam: <input checked="" type="checkbox"/> 74Kr <input type="checkbox"/> 74Kr degraded <input type="checkbox"/> proton <input type="checkbox"/> _____ | | | | | |
| Target: | <input type="checkbox"/> Viewer <input checked="" type="checkbox"/> CH2 100um <input type="checkbox"/> CH2 50um <input type="checkbox"/> out | <input type="checkbox"/> Mask <input type="checkbox"/> Au <input type="checkbox"/> Alpha <input type="checkbox"/> Empty | | Drive Positions: | | | |
| MCP MCP 0 (US): | V: _____ I: <input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | 83.0 mm | | Target (I251Y-R) | | | |
| MCP 1 (DS): | V: _____ I: <input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | 70.5 mm | | MCP 0 (US) (I250Y-R) | | | |
| MCP Voltage on? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | S800 Segment 8 Brho: 2.2954 Tm | | 107.5 mm | | | |
| | | | | MCP 1 (DS) (I250X-R) | | | |
| | | | | Vacuum: 4.7 e-6 torr | | | |
| Comments: | | | | | | | |

Run 241 Scalers (rates) 11/6/14 10:21 AM source

| | | | | | |
|-------------------------|-----------------|--|-------------------|--------------|--|
| XFP.Scint | E1 up | E1 down | Live.triggers | S800.trigger | |
| 150984 | 2640 | 2546 | 21 | 2500 | |
| Csl OR of ORs | EB Or (MB1+MB2) | EF Or (MB1+MB2) | HiRA_live_trigger | | |
| 171 | 252+177 | 274+240 | 316 | | |
| Print Spectd? | | <input type="checkbox"/> Yes <input type="checkbox"/> No | | | |
| Check Leakage Currents? | | <input checked="" type="checkbox"/> OK <input type="checkbox"/> Not OK | | | |
| Barney Print Out? | | <input type="checkbox"/> Yes <input type="checkbox"/> No | | | |

| | | | | | | | |
|-------------------------------------|--|--|---------|---|-------|---|-------|
| v. 3.3 Run # | 243 | Date: | 11/6/14 | Start: | 11:28 | Stop: | 12:11 |
| Your Name: | Justin | Also on Shift: <input checked="" type="checkbox"/> Andy <input type="checkbox"/> Ben <input checked="" type="checkbox"/> Bill <input checked="" type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Han <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon | | | | | |
| Built data? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | <input type="checkbox"/> Juan <input checked="" type="checkbox"/> Justin <input type="checkbox"/> Kyle <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Zibi <input type="checkbox"/> _____ | | | | | |
| Run Type: | <input checked="" type="checkbox"/> Data | Singles: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | | Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | | <input type="checkbox"/> CRDC <input type="checkbox"/> Junk | |
| S800 Trigger Box: | (1+) <input type="checkbox"/> S800 <input checked="" type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____) | <input type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____) | | <input type="checkbox"/> Sec.: _____ | | | |
| HiRA Trigger: | <input checked="" type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl | Beam: <input checked="" type="checkbox"/> 74Kr <input type="checkbox"/> 74Kr degraded <input type="checkbox"/> proton <input type="checkbox"/> _____ | | | | | |
| Target: | <input type="checkbox"/> Viewer <input checked="" type="checkbox"/> CH2 100um <input type="checkbox"/> CH2 50um <input type="checkbox"/> out | <input type="checkbox"/> Mask <input type="checkbox"/> Au <input type="checkbox"/> Alpha <input type="checkbox"/> Empty | | Drive Positions: | | | |
| MCP MCP 0 (US): | I 68uA V: 1.8K I: <input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | 83 mm | | Target (I251Y-R) | | | |
| MCP 1 (DS): | I 57uA V: 1.7K I: <input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | 70.5 mm | | MCP 0 (US) (I250Y-R) | | | |
| MCP Voltage on? | <input type="checkbox"/> Yes <input type="checkbox"/> No | S800 Segment 8 Brho: 2.2954 | | 107.5 mm | | | |
| | | | | MCP 1 (DS) (I250X-R) | | | |
| | | | | Vacuum: 4.7 e-6 torr | | | |
| Comments: 2.2954 ↑ Si bias OK | | | | | | | |

~ 2:30 Si voltages ^{found} off. From now on, record leakage current on run sheet.

| | | | | | | | |
|-------------------|---|----------------------|---|--------|---------|--|--|
| v. 3.3 Run # | 245 | Date: | 11/6/14 | Start: | 16:50 | Stop: | |
| Your Name: | Suwat | Also on Shift: | <input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Bill <input checked="" type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Han <input type="checkbox"/> Jack <input checked="" type="checkbox"/> Jenny <input checked="" type="checkbox"/> Jon <input type="checkbox"/> Juan <input type="checkbox"/> Justin <input checked="" type="checkbox"/> Kyle <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input checked="" type="checkbox"/> Suwat <input checked="" type="checkbox"/> Zibi <input type="checkbox"/> _____ | | | | |
| Built data? | <input type="checkbox"/> Yes <input type="checkbox"/> No | | | | | | |
| Run Type: | <input type="checkbox"/> Data | Singles: | <input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP | | Calib: | <input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP <input type="checkbox"/> CRDC <input type="checkbox"/> Junk | |
| S800 Trigger Box: | (1+) <input type="checkbox"/> S800 <input type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____) | Ext. 2 | <input type="checkbox"/> MCP DS <input type="checkbox"/> _____ | | Sec.: | _____ | |
| HiRA Trigger: | <input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl | Beam: | <input type="checkbox"/> 74Kr <input type="checkbox"/> 74Kr degraded <input type="checkbox"/> proton <input type="checkbox"/> _____ | | | | |
| Target: | <input type="checkbox"/> Viewer <input type="checkbox"/> CH2 100um <input type="checkbox"/> CH2 50um <input type="checkbox"/> out <input type="checkbox"/> Mask <input type="checkbox"/> Au <input type="checkbox"/> Alpha <input checked="" type="checkbox"/> Empty | Drive Positions: | 236 mm Target (I251Y-R) _____ mm MCP 0 (US) (I250Y-R) _____ mm MCP 1 (DS) (I250X-R) | | | | |
| MCP MCP 0 (US): | V: _____ I: <input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | | | | |
| MCP 1 (DS): | V: _____ I: <input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | | | | |
| MCP Voltage on? | <input type="checkbox"/> Yes <input type="checkbox"/> No | S800 Segment 8 Brho: | | | Vacuum: | _____ e- torr | |
| Comments: | Alpha Calibration / Si bias On CS I | | | | | | |

| | | | | | | | |
|-------------------|---|----------------------|--|--------|---------|--|--|
| v. 3.3 Run # | 247 | Date: | 11/6/14 | Start: | 17:30 | Stop: | |
| Your Name: | Suwat | Also on Shift: | <input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Bill <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Han <input type="checkbox"/> Jack <input checked="" type="checkbox"/> Jenny <input checked="" type="checkbox"/> Jon <input type="checkbox"/> Juan <input type="checkbox"/> Justin <input checked="" type="checkbox"/> Kyle <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input checked="" type="checkbox"/> Suwat <input checked="" type="checkbox"/> Zibi <input type="checkbox"/> _____ | | | | |
| Built data? | <input type="checkbox"/> Yes <input type="checkbox"/> No | | | | | | |
| Run Type: | <input type="checkbox"/> Data | Singles: | <input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP | | Calib: | <input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP <input type="checkbox"/> CRDC <input type="checkbox"/> Junk | |
| S800 Trigger Box: | (1+) <input type="checkbox"/> S800 <input type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____) | Ext. 2 | <input type="checkbox"/> MCP DS <input type="checkbox"/> _____ | | Sec.: | _____ | |
| HiRA Trigger: | <input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl | Beam: | <input type="checkbox"/> 74Kr <input type="checkbox"/> 74Kr degraded <input type="checkbox"/> proton <input type="checkbox"/> _____ | | | | |
| Target: | <input type="checkbox"/> Viewer <input type="checkbox"/> CH2 100um <input type="checkbox"/> CH2 50um <input type="checkbox"/> out <input type="checkbox"/> Mask <input type="checkbox"/> Au <input type="checkbox"/> Alpha <input checked="" type="checkbox"/> Empty | Drive Positions: | 236 mm Target (I251Y-R) _____ mm MCP 0 (US) (I250Y-R) _____ mm MCP 1 (DS) (I250X-R) | | | | |
| MCP MCP 0 (US): | V: _____ I: <input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | | | | |
| MCP 1 (DS): | V: _____ I: <input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | | | | |
| MCP Voltage on? | <input type="checkbox"/> Yes <input type="checkbox"/> No | S800 Segment 8 Brho: | | | Vacuum: | _____ e- torr | |
| CAEN Bias? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Comments: | Pulser Ramp 0.2 to 0V 21 steps, 15 s/step | | | | |

| | | | | | | | |
|--|---|--|---------|---|-------|-------------------------------|-------------------------------|
| v. 3.3 Run # | 280 | Date: | 11/6/14 | Start: | 17:40 | Stop: | 17:50 |
| Your Name: | Suwat | Also on Shift: <input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Bill <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Han <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input checked="" type="checkbox"/> Jon | | | | | |
| Built data? | <input type="checkbox"/> Yes <input type="checkbox"/> No | <input type="checkbox"/> Juan <input type="checkbox"/> Justin <input checked="" type="checkbox"/> Kyle <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input checked="" type="checkbox"/> Suwat <input checked="" type="checkbox"/> Zibi <input type="checkbox"/> _____ | | | | | |
| Run Type: | <input type="checkbox"/> Data | Singles: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | | Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | | <input type="checkbox"/> CRDC | <input type="checkbox"/> Junk |
| S800 Trigger Box: | (1+) <input type="checkbox"/> S800 <input type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____) | <input type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____) | | <input type="checkbox"/> Sec.: _____ | | | |
| HiRA Trigger: | <input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl | Beam: | | <input type="checkbox"/> 74Kr <input type="checkbox"/> 74Kr degraded <input type="checkbox"/> proton <input type="checkbox"/> _____ | | | |
| Target: | <input type="checkbox"/> Viewer <input type="checkbox"/> CH2 100um <input type="checkbox"/> CH2 50um <input type="checkbox"/> out | Drive Positions: | | _____ mm | | Target (I251Y-R) | |
| | <input type="checkbox"/> Mask <input type="checkbox"/> Au <input type="checkbox"/> Alpha <input type="checkbox"/> Empty | | | _____ mm | | MCP 0 (US) (I250Y-R) | |
| MCP MCP 0 (US): | V: _____ I: <input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | _____ mm | | MCP 1 (DS) (I250X-R) | |
| MCP 1 (DS): | V: _____ I: <input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | | | | |
| MCP Voltage on? | <input type="checkbox"/> Yes <input type="checkbox"/> No | S800 Segment 8 Brho: | | Vacuum: | | _____ e- torr | |
| CAEN Bias? | <input type="checkbox"/> Yes <input type="checkbox"/> No | Comments: | | | | | |
| Pulsar 2.6 to 0 V, 27 steps, 15 sec/step | | | | | | | |

Lost beam at 9:00 pm

| | | | | | | | |
|-------------------|---|---|---------|---|-------|-------------------------------|-------------------------------|
| v. 3.3 Run # | 251 | Date: | 11/6/14 | Start: | 21:30 | Stop: | 22:02 |
| Your Name: | Suwat | Also on Shift: <input checked="" type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Bill <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Han <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input checked="" type="checkbox"/> Jon | | | | | |
| Built data? | <input type="checkbox"/> Yes <input type="checkbox"/> No | <input type="checkbox"/> Juan <input type="checkbox"/> Justin <input checked="" type="checkbox"/> Kyle <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input checked="" type="checkbox"/> Suwat <input type="checkbox"/> Zibi <input type="checkbox"/> _____ | | | | | |
| Run Type: | <input type="checkbox"/> Data | Singles: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | | Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | | <input type="checkbox"/> CRDC | <input type="checkbox"/> Junk |
| S800 Trigger Box: | (1+) <input type="checkbox"/> S800 <input type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____) | <input type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____) | | <input type="checkbox"/> Sec.: _____ | | | |
| HiRA Trigger: | <input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl | Beam: | | <input type="checkbox"/> 74Kr <input type="checkbox"/> 74Kr degraded <input type="checkbox"/> proton <input type="checkbox"/> _____ | | | |
| Target: | <input type="checkbox"/> Viewer <input type="checkbox"/> CH2 100um <input type="checkbox"/> CH2 50um <input type="checkbox"/> out | Drive Positions: | | 236 mm | | Target (I251Y-R) | |
| | <input type="checkbox"/> Mask <input type="checkbox"/> Au <input type="checkbox"/> Alpha <input type="checkbox"/> Empty | | | _____ mm | | MCP 0 (US) (I250Y-R) | |
| MCP MCP 0 (US): | V: _____ I: <input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | _____ mm | | MCP 1 (DS) (I250X-R) | |
| MCP 1 (DS): | V: _____ I: <input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | | | | |
| MCP Voltage on? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | S800 Segment 8 Brho: | | Vacuum: | | _____ e- torr | |
| CAEN Bias? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Comments: | | | | | |
| Alpha run | | | | | | | |

| | | | | | | | |
|-------------------|--|---|--|---|-------|---|-------|
| V. 3.3 Run # | 252 | Date: | 11/6/14 | Start: | 22:57 | Stop: | 23:42 |
| Your Name: | Suwat | Also on Shift: <input checked="" type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Bill <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Han <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input checked="" type="checkbox"/> Jon | | | | | |
| Built data? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | <input type="checkbox"/> Juan <input type="checkbox"/> Justin <input checked="" type="checkbox"/> Kyle <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input checked="" type="checkbox"/> Suwat <input type="checkbox"/> Zibi <input type="checkbox"/> _____ | | | | | |
| Run Type: | <input checked="" type="checkbox"/> Data | Singles: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | | Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | | <input type="checkbox"/> CRDC <input type="checkbox"/> Junk | |
| S800 Trigger Box: | (1+) <input type="checkbox"/> S800 <input checked="" type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____) | <input type="checkbox"/> Ext.2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____) | | <input checked="" type="checkbox"/> Sec.: DSX1 HiRA | | | |
| HiRA Trigger: | <input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl | | Beam: <input checked="" type="checkbox"/> 74Kr <input type="checkbox"/> 74Kr degraded <input type="checkbox"/> proton <input type="checkbox"/> _____ | | | | |
| Target: | <input type="checkbox"/> Viewer <input checked="" type="checkbox"/> CH2 100um <input type="checkbox"/> CH2 50um <input type="checkbox"/> out | Drive Positions: | | 83 mm | | Target (I251Y-R) | |
| | <input type="checkbox"/> Mask <input checked="" type="checkbox"/> Au <input type="checkbox"/> Alpha <input type="checkbox"/> Empty | | | _____ mm | | MCP 0 (US) (I250Y-R) | |
| MCP MCP 0 (US): | V: _____ I: <input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | _____ mm | | MCP 1 (DS) (I250X-R) | |
| MCP 1 (DS): | V: _____ I: <input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | | | | |
| MCP Voltage on? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | S800 Segment 8 Brho: | | Vacuum: | | _____ e- torr | |
| CAEN Bias? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Comments: 1st production run | | | | | |

TDC offset $\begin{matrix} (-200ns) & (-500ns) \\ -8 & \rightarrow & -20 \end{matrix}$

QDC1 } add fast clear window = 5 (156.25 ns)
QDC2 }

{ MCP low gain
{ MCP 0 ch1 (low gain) poor signal in QDC

for runs 252 and before

QDC channels changed!!

MCP 0 1 moved to QDC1 ch 7
and MCP 0 4 moved to QDC2 ch 15

| | | | | | | | |
|-------------------|---|--|--|--|------|------------------|------|
| v. 3.3 Run # | 253 | Date: | 11/7/14 | Start: | 1:07 | Stop: | 1:26 |
| Your Name: | Juan | Also on Shift: <input checked="" type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Bill <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Han <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon | | | | | |
| Built data? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | <input checked="" type="checkbox"/> Juan <input type="checkbox"/> Justin <input checked="" type="checkbox"/> Kyle <input type="checkbox"/> Mingbo <input checked="" type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Zibi <input type="checkbox"/> _____ | | | | | |
| Run Type: | <input type="checkbox"/> Data | Singles: (<input checked="" type="checkbox"/> HiRA <input type="checkbox"/> S800 <input checked="" type="checkbox"/> MCP) | | Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) <input type="checkbox"/> CRDC <input type="checkbox"/> Junk | | | |
| S800 Trigger Box: | (1+) <input type="checkbox"/> S800 <input checked="" type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____) | <input type="checkbox"/> Ext. 2 (<input checked="" type="checkbox"/> MCP DS <input type="checkbox"/> _____) | | <input checked="" type="checkbox"/> Sec.: 10 | | | |
| HiRA Trigger: | <input checked="" type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl | | Beam: <input checked="" type="checkbox"/> 74Kr <input type="checkbox"/> 74Kr degraded <input type="checkbox"/> proton <input type="checkbox"/> _____ | | | | |
| Target: | <input type="checkbox"/> Viewer <input checked="" type="checkbox"/> CH2 100um <input type="checkbox"/> CH2 50um <input type="checkbox"/> out | <input type="checkbox"/> Mask <input type="checkbox"/> Au <input type="checkbox"/> Alpha <input type="checkbox"/> Empty | | Drive Positions: | | Target (I251Y-R) | |
| MCP MCP 0 (US): | V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | 70.494 mm | | MCP 0 (US) (I250Y-R) | | | |
| MCP 1 (DS): | V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | 107.514 mm | | MCP 1 (DS) (I250X-R) | | | |
| MCP Voltage on? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | S800 Segment 8 Brho: | | Vacuum: 4.5 e-6 torr | | | |
| CAEN Bias? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Comments: | | | | | |

| | | | | | | | |
|-------------------|---|--|--|--|------|------------------|------|
| v. 3.3 Run # | 254 | Date: | 11/7/14 | Start: | 1:27 | Stop: | 1:36 |
| Your Name: | Juan | Also on Shift: <input checked="" type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Bill <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Han <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon | | | | | |
| Built data? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | <input checked="" type="checkbox"/> Juan <input type="checkbox"/> Justin <input checked="" type="checkbox"/> Kyle <input type="checkbox"/> Mingbo <input checked="" type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Zibi <input type="checkbox"/> _____ | | | | | |
| Run Type: | <input type="checkbox"/> Data | Singles: (<input type="checkbox"/> HiRA <input checked="" type="checkbox"/> S800 <input type="checkbox"/> MCP) | | Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) <input type="checkbox"/> CRDC <input type="checkbox"/> Junk | | | |
| S800 Trigger Box: | (1+) <input checked="" type="checkbox"/> S800 <input type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____) | <input type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____) | | <input type="checkbox"/> Sec.: _____ | | | |
| HiRA Trigger: | <input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl | | Beam: <input checked="" type="checkbox"/> 74Kr <input type="checkbox"/> 74Kr degraded <input type="checkbox"/> proton <input type="checkbox"/> _____ | | | | |
| Target: | <input type="checkbox"/> Viewer <input checked="" type="checkbox"/> CH2 100um <input type="checkbox"/> CH2 50um <input type="checkbox"/> out | <input type="checkbox"/> Mask <input type="checkbox"/> Au <input type="checkbox"/> Alpha <input type="checkbox"/> Empty | | Drive Positions: | | Target (I251Y-R) | |
| MCP MCP 0 (US): | V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | 70.494 mm | | MCP 0 (US) (I250Y-R) | | | |
| MCP 1 (DS): | V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | 107.514 mm | | MCP 1 (DS) (I250X-R) | | | |
| MCP Voltage on? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | S800 Segment 8 Brho: | | Vacuum: 4.4 e-6 torr | | | |
| CAEN Bias? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Comments: | | | | | |

| | | | | | | | |
|-------------------|---|--|--|--|------|------------------|------|
| v. 3.3 Run # | 255 | Date: | 11/7/14 | Start: | 1:37 | Stop: | 1:44 |
| Your Name: | Juan | Also on Shift: <input checked="" type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Bill <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Han <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon | | | | | |
| Built data? | <input type="checkbox"/> Yes <input type="checkbox"/> No | <input checked="" type="checkbox"/> Juan <input type="checkbox"/> Justin <input checked="" type="checkbox"/> Kyle <input type="checkbox"/> Mingbo <input checked="" type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Zibi <input type="checkbox"/> _____ | | | | | |
| Run Type: | <input type="checkbox"/> Data | Singles: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | | Calib: (<input type="checkbox"/> HiRA <input checked="" type="checkbox"/> S800 <input type="checkbox"/> MCP) <input checked="" type="checkbox"/> CRDC <input type="checkbox"/> Junk | | | |
| S800 Trigger Box: | (1+) <input checked="" type="checkbox"/> S800 <input type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____) | <input type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____) | | <input type="checkbox"/> Sec.: _____ | | | |
| HiRA Trigger: | <input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl | | Beam: <input checked="" type="checkbox"/> 74Kr <input type="checkbox"/> 74Kr degraded <input type="checkbox"/> proton <input type="checkbox"/> _____ | | | | |
| Target: | <input type="checkbox"/> Viewer <input checked="" type="checkbox"/> CH2 100um <input type="checkbox"/> CH2 50um <input type="checkbox"/> out | <input type="checkbox"/> Mask <input type="checkbox"/> Au <input type="checkbox"/> Alpha <input type="checkbox"/> Empty | | Drive Positions: | | Target (I251Y-R) | |
| MCP MCP 0 (US): | V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | 70.494 mm | | MCP 0 (US) (I250Y-R) | | | |
| MCP 1 (DS): | V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | 107.514 mm | | MCP 1 (DS) (I250X-R) | | | |
| MCP Voltage on? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | S800 Segment 8 Brho: | | Vacuum: 4.4 e-6 torr | | | |
| CAEN Bias? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Comments: CRDC 1 Mask Calib. | | | | | |

| | | | | | | | |
|-------------------|--|--|---------|---|------|--|-------------------------------|
| v. 3.3 Run # | 256 | Date: | 11/7/14 | Start: | 1:45 | Stop: | 1:50 |
| Your Name: | Juan | Also on Shift: <input checked="" type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Bill <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Han <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon | | | | | |
| Built data? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | <input checked="" type="checkbox"/> Juan <input type="checkbox"/> Justin <input checked="" type="checkbox"/> Kyle <input type="checkbox"/> Mingbo <input checked="" type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Zibi <input type="checkbox"/> _____ | | | | | |
| Run Type: | <input type="checkbox"/> Data | Singles: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | | Calib: (<input type="checkbox"/> HiRA <input checked="" type="checkbox"/> S800 <input type="checkbox"/> MCP) | | <input checked="" type="checkbox"/> CRDC | <input type="checkbox"/> Junk |
| S800 Trigger Box: | (1+) <input checked="" type="checkbox"/> S800 <input type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____) | <input type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____) | | <input type="checkbox"/> Sec.: _____ | | | |
| HiRA Trigger: | <input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl | Beam: | | <input checked="" type="checkbox"/> 74Kr <input type="checkbox"/> 74Kr degraded <input type="checkbox"/> proton | | | |
| Target: | <input type="checkbox"/> Viewer <input checked="" type="checkbox"/> CH2 100um <input type="checkbox"/> CH2 50um <input type="checkbox"/> out | Drive Positions: | | 83.01 mm | | Target (I251Y-R) | |
| | <input type="checkbox"/> Mask <input type="checkbox"/> Au <input type="checkbox"/> Alpha <input type="checkbox"/> Empty | | | 70.494 mm | | MCP 0 (US) (I250Y-R) | |
| MCP MCP 0 (US): | V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | 107.514 mm | | MCP 1 (DS) (I250X-R) | |
| MCP 1 (DS): | V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | | | | |
| MCP Voltage on? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | S800 Segment 8 Brho: | | Vacuum: | | 4.4 e-6 torr | |
| CAEN Bias? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Comments: CRDC 2 Mask Calib | | | | | |

| | | | | | | | |
|-------------------|--|--|---------|---|------|-------------------------------|-------------------------------|
| v. 3.3 Run # | 257 | Date: | 11/7/14 | Start: | 1:52 | Stop: | 2:52 |
| Your Name: | Juan | Also on Shift: <input checked="" type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Bill <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Han <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon | | | | | |
| Built data? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | <input checked="" type="checkbox"/> Juan <input type="checkbox"/> Justin <input checked="" type="checkbox"/> Kyle <input type="checkbox"/> Mingbo <input checked="" type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Zibi <input type="checkbox"/> _____ | | | | | |
| Run Type: | <input checked="" type="checkbox"/> Data | Singles: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | | Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | | <input type="checkbox"/> CRDC | <input type="checkbox"/> Junk |
| S800 Trigger Box: | (1+) <input type="checkbox"/> S800 <input checked="" type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____) | <input checked="" type="checkbox"/> Ext. 2 (<input checked="" type="checkbox"/> MCP DS 20K <input type="checkbox"/> _____) | | <input checked="" type="checkbox"/> Sec.: X 10 | | | |
| HiRA Trigger: | <input checked="" type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl | Beam: | | <input checked="" type="checkbox"/> 74Kr <input type="checkbox"/> 74Kr degraded <input type="checkbox"/> proton | | | |
| Target: | <input type="checkbox"/> Viewer- <input checked="" type="checkbox"/> CH2 100um <input type="checkbox"/> CH2 50um <input type="checkbox"/> out | Drive Positions: | | 83.01 mm | | Target (I251Y-R) | |
| | <input type="checkbox"/> Mask <input type="checkbox"/> Au <input type="checkbox"/> Alpha <input type="checkbox"/> Empty | | | 70.494 mm | | MCP 0 (US) (I250Y-R) | |
| MCP MCP 0 (US): | V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | 107.514 mm | | MCP 1 (DS) (I250X-R) | |
| MCP 1 (DS): | V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | | | | |
| MCP Voltage on? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | S800 Segment 8 Brho: | | Vacuum: | | 4.4 e-6 torr | |
| CAEN Bias? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Comments: Cont Secondary DS x 10 + MCP DS x 20K | | | | | |

Run 257 Scalers (rates) 02:48

| XFR.Scint | E1 up | E1 down | Live.triggers | S800.trigger |
|-------------------------|-----------------|--|---------------------------------|--------------|
| ~270K | ~4800 | ~4800 | ~100 | ~4800 |
| Csl OR of ORs | EB Or (MB1+MB2) | EF Or (MB1+MB2) | HiRA_live_trigger | |
| ~315 | 500+350 = 850 | 550+475 = 1025 | ~600 | |
| Print SpecTcl? | | <input type="checkbox"/> Yes | <input type="checkbox"/> No | |
| Check Leakage Currents? | | <input checked="" type="checkbox"/> OK | <input type="checkbox"/> Not OK | |
| Barney Print Out? | | <input type="checkbox"/> Yes | <input type="checkbox"/> No | |

| | | | | | | | |
|-------------------|--|---|---------|---|------|---|------|
| v. 3.3 Run # | 258 | Date: | 11/7/14 | Start: | 2:52 | Stop: | 3:54 |
| Your Name: | Juan | Also on Shift: <input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Bill <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Han <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon | | | | | |
| Built data? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | <input checked="" type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Kyle <input type="checkbox"/> Mingbo <input checked="" type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Zibi <input type="checkbox"/> | | | | | |
| Run Type: | <input checked="" type="checkbox"/> Data | Singles: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | | Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | | <input type="checkbox"/> CRDC <input type="checkbox"/> Junk | |
| S800 Trigger Box: | (1+) <input type="checkbox"/> S800 <input checked="" type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/>) | <input checked="" type="checkbox"/> Ext. 2 (<input checked="" type="checkbox"/> MCP DS20k <input type="checkbox"/>) | | <input checked="" type="checkbox"/> Sec.: 10 | | | |
| HiRA Trigger: | <input checked="" type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl | Beam: <input checked="" type="checkbox"/> 74Kr <input type="checkbox"/> 74Kr degraded <input type="checkbox"/> proton <input type="checkbox"/> | | | | | |
| Target: | <input type="checkbox"/> Viewer <input checked="" type="checkbox"/> CH2 100um <input type="checkbox"/> CH2 50um <input type="checkbox"/> out | <input type="checkbox"/> Mask <input type="checkbox"/> Au <input type="checkbox"/> Alpha <input type="checkbox"/> Empty | | Drive Positions: | | | |
| MCP MCP 0 (US): | V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | 83.01 mm | | Target (I251Y-R) | |
| MCP 1 (DS): | V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | 70.494 mm | | MCP 0 (US) (I250Y-R) | |
| MCP Voltage on? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | S800 Segment 8 Brho: | | 107.514 mm | | MCP 1 (DS) (I250X-R) | |
| CAEN Bias? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | | | Vacuum: | | 4.4 e-6 torr | |
| | | Comments: | | | | | |

| | | | | | | | |
|-------------------|--|--|---------|---|------|---|------|
| v. 3.3 Run # | 259 | Date: | 11/7/14 | Start: | 3:54 | Stop: | 4:55 |
| Your Name: | Juan | Also on Shift: <input type="checkbox"/> Andy <input type="checkbox"/> Ben <input checked="" type="checkbox"/> Bill <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Han <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon | | | | | |
| Built data? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | <input checked="" type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Kyle <input type="checkbox"/> Mingbo <input checked="" type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Zibi <input type="checkbox"/> | | | | | |
| Run Type: | <input checked="" type="checkbox"/> Data | Singles: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | | Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | | <input type="checkbox"/> CRDC <input type="checkbox"/> Junk | |
| S800 Trigger Box: | (1+) <input type="checkbox"/> S800 <input checked="" type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/>) | <input type="checkbox"/> Ext. 2 (<input checked="" type="checkbox"/> MCP DS20k <input type="checkbox"/>) | | <input checked="" type="checkbox"/> Sec.: 10 | | | |
| HiRA Trigger: | <input checked="" type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl | Beam: <input checked="" type="checkbox"/> 74Kr <input type="checkbox"/> 74Kr degraded <input type="checkbox"/> proton <input type="checkbox"/> | | | | | |
| Target: | <input type="checkbox"/> Viewer <input checked="" type="checkbox"/> CH2 100um <input type="checkbox"/> CH2 50um <input type="checkbox"/> out | <input type="checkbox"/> Mask <input type="checkbox"/> Au <input type="checkbox"/> Alpha <input type="checkbox"/> Empty | | Drive Positions: | | | |
| MCP MCP 0 (US): | V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | 83.01 mm | | Target (I251Y-R) | |
| MCP 1 (DS): | V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | 70.494 mm | | MCP 0 (US) (I250Y-R) | |
| MCP Voltage on? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | S800 Segment 8 Brho: | | 107.514 mm | | MCP 1 (DS) (I250X-R) | |
| CAEN Bias? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | | | Vacuum: | | 4.4 e-6 torr | |
| | | Comments: | | | | | |

| | | | | | | | |
|-------------------|--|---|---------|---|------|---|------|
| v. 3.3 Run # | 260 | Date: | 11/7/14 | Start: | 4:55 | Stop: | 6:04 |
| Your Name: | Juan | Also on Shift: <input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Bill <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Han <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon | | | | | |
| Built data? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | <input checked="" type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Kyle <input type="checkbox"/> Mingbo <input checked="" type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Zibi <input type="checkbox"/> | | | | | |
| Run Type: | <input checked="" type="checkbox"/> Data | Singles: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | | Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | | <input type="checkbox"/> CRDC <input type="checkbox"/> Junk | |
| S800 Trigger Box: | (1+) <input type="checkbox"/> S800 <input checked="" type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/>) | <input type="checkbox"/> Ext. 2 (<input checked="" type="checkbox"/> MCP DS20k <input type="checkbox"/>) | | <input checked="" type="checkbox"/> Sec.: 10 | | | |
| HiRA Trigger: | <input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl | Beam: <input type="checkbox"/> 74Kr <input type="checkbox"/> 74Kr degraded <input type="checkbox"/> proton <input type="checkbox"/> | | | | | |
| Target: | <input type="checkbox"/> Viewer <input checked="" type="checkbox"/> CH2 100um <input type="checkbox"/> CH2 50um <input type="checkbox"/> out | <input type="checkbox"/> Mask <input type="checkbox"/> Au <input type="checkbox"/> Alpha <input type="checkbox"/> Empty | | Drive Positions: | | | |
| MCP MCP 0 (US): | V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | 83.01 mm | | Target (I251Y-R) | |
| MCP 1 (DS): | V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | 70.494 mm | | MCP 0 (US) (I250Y-R) | |
| MCP Voltage on? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | S800 Segment 8 Brho: | | 107.514 mm | | MCP 1 (DS) (I250X-R) | |
| CAEN Bias? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | | | Vacuum: | | e- torr | |
| | | Comments: | | | | | |

| | | | | | | | |
|-------------------|---|---|---------|--|------|-------------------------------|-------------------------------|
| v. 3.3 Run # | 261 | Date: | 11/7/14 | Start: | 6:05 | Stop: | 7:14 |
| Your Name: | Juan | Also on Shift: <input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Bill <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Han <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon | | | | | |
| Built data? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | <input checked="" type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Kyle <input type="checkbox"/> Mingbo <input checked="" type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Zibi <input type="checkbox"/> _____ | | | | | |
| Run Type: | <input checked="" type="checkbox"/> Data | Singles: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | | Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | | <input type="checkbox"/> CRDC | <input type="checkbox"/> Junk |
| S800 Trigger Box: | (1+) <input type="checkbox"/> S800 <input checked="" type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____) | <input checked="" type="checkbox"/> Ext. 2 (<input checked="" type="checkbox"/> MCP DS20K <input type="checkbox"/> _____) | | <input checked="" type="checkbox"/> Sec.: 10x | | | |
| HiRA Trigger: | <input checked="" type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl | Beam: <input checked="" type="checkbox"/> 74Kr <input type="checkbox"/> 74Kr degraded <input type="checkbox"/> proton <input type="checkbox"/> _____ | | | | | |
| Target: | <input type="checkbox"/> Viewer <input checked="" type="checkbox"/> CH2 100um <input type="checkbox"/> CH2 50um <input type="checkbox"/> out | Drive Positions: | | 83.01 mm | | Target (I251Y-R) | |
| | <input type="checkbox"/> Mask <input type="checkbox"/> Au <input type="checkbox"/> Alpha <input type="checkbox"/> Empty | | | 70.494 mm | | MCP 0 (US) (I250Y-R) | |
| MCP MCP 0 (US): | V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | 107.514 mm | | MCP 1 (DS) (I250X-R) | |
| MCP 1 (DS): | V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | | | | |
| MCP Voltage on? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | S800 Segment 8 Brho: | | Vacuum: | | 4.4 e-6 torr | |
| CAEN Bias? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Comments: | | | | | |

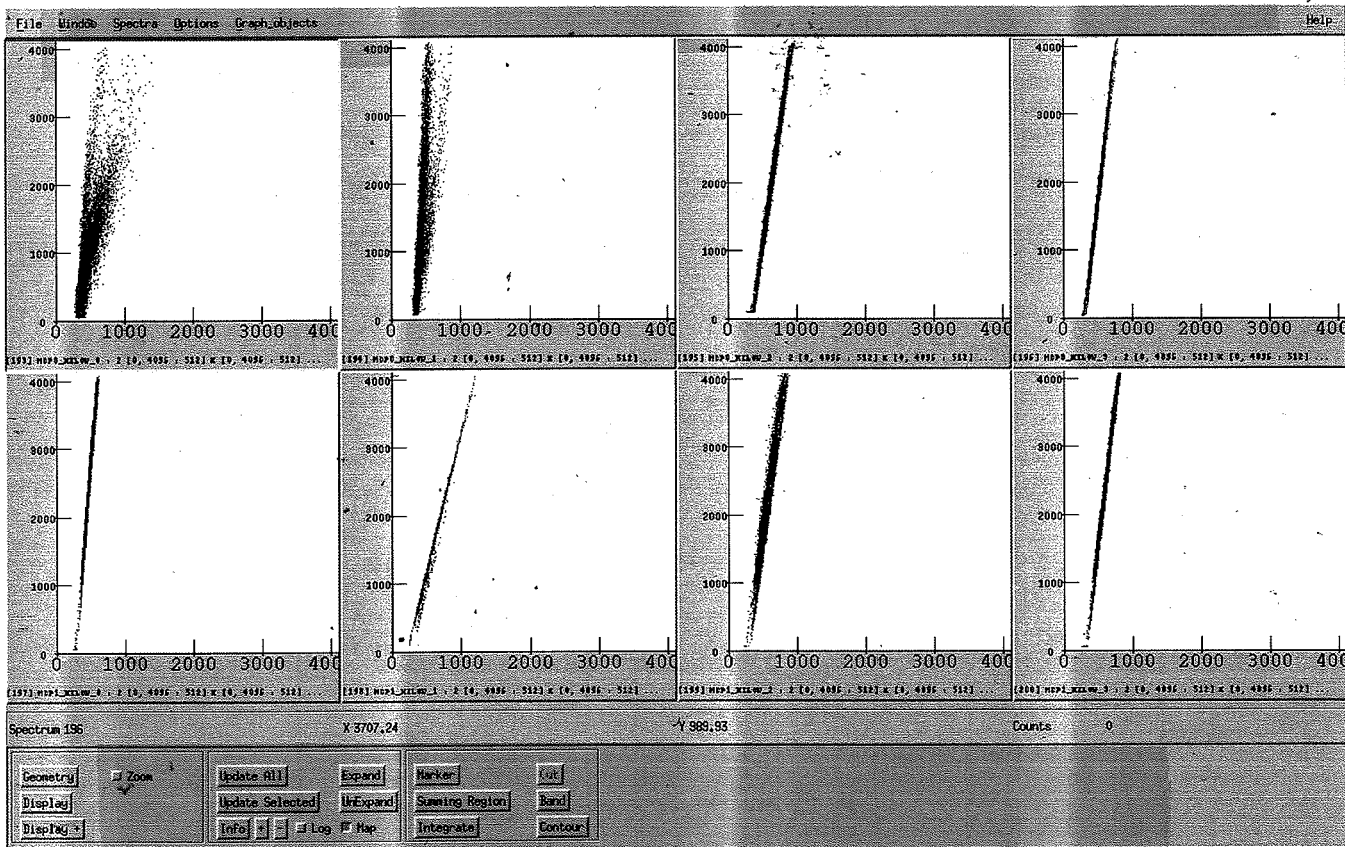
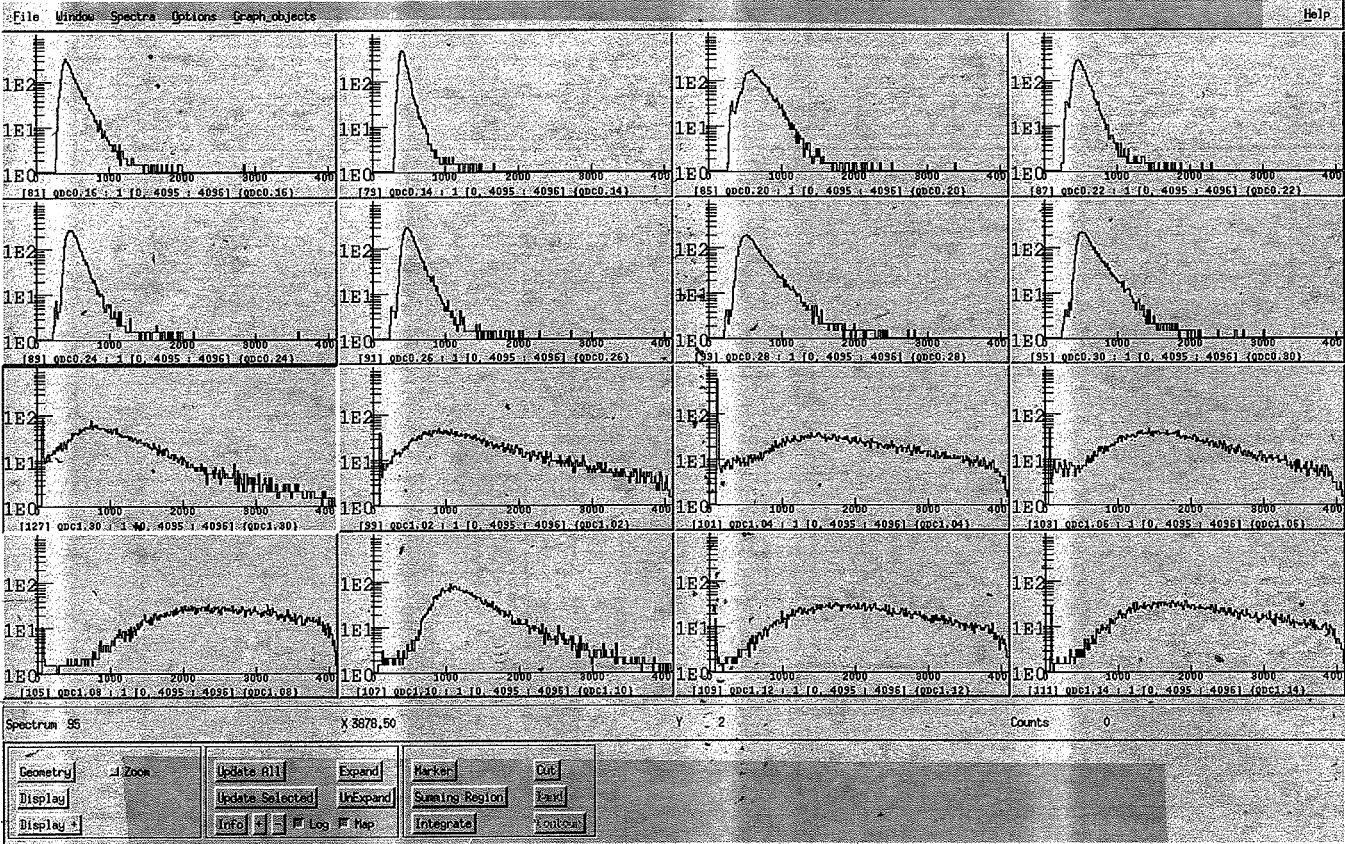
| | | | | | | | |
|-------------------|--|---|---------|--|------|-------------------------------|-------------------------------|
| v. 3.3 Run # | 262 | Date: | 11/7/14 | Start: | 7:14 | Stop: | 7:28 |
| Your Name: | Juan | Also on Shift: <input type="checkbox"/> Andy <input type="checkbox"/> Ben <input checked="" type="checkbox"/> Bill <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Han <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon | | | | | |
| Built data? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | <input checked="" type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Kyle <input type="checkbox"/> Mingbo <input checked="" type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Zibi <input type="checkbox"/> _____ | | | | | |
| Run Type: | <input type="checkbox"/> Data | Singles: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input checked="" type="checkbox"/> MCP) | | Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | | <input type="checkbox"/> CRDC | <input type="checkbox"/> Junk |
| S800 Trigger Box: | (1+) <input type="checkbox"/> S800 <input type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____) | <input type="checkbox"/> Ext. 2 (<input checked="" type="checkbox"/> MCP DS20K <input type="checkbox"/> _____) | | <input type="checkbox"/> Sec.: _____ | | | |
| HiRA Trigger: | <input checked="" type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl | Beam: <input checked="" type="checkbox"/> 74Kr <input type="checkbox"/> 74Kr degraded <input type="checkbox"/> proton <input type="checkbox"/> _____ | | | | | |
| Target: | <input type="checkbox"/> Viewer <input checked="" type="checkbox"/> CH2 100um <input type="checkbox"/> CH2 50um <input type="checkbox"/> out | Drive Positions: | | 83.01 mm | | Target (I251Y-R) | |
| | <input type="checkbox"/> Mask <input type="checkbox"/> Au <input type="checkbox"/> Alpha <input type="checkbox"/> Empty | | | 70.494 mm | | MCP 0 (US) (I250Y-R) | |
| MCP MCP 0 (US): | V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | 107.514 mm | | MCP 1 (DS) (I250X-R) | |
| MCP 1 (DS): | V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | | | | |
| MCP Voltage on? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | S800 Segment 8 Brho: | | Vacuum: | | e- torr | |
| CAEN Bias? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Comments: MCP styles to investigate noise | | | | | |

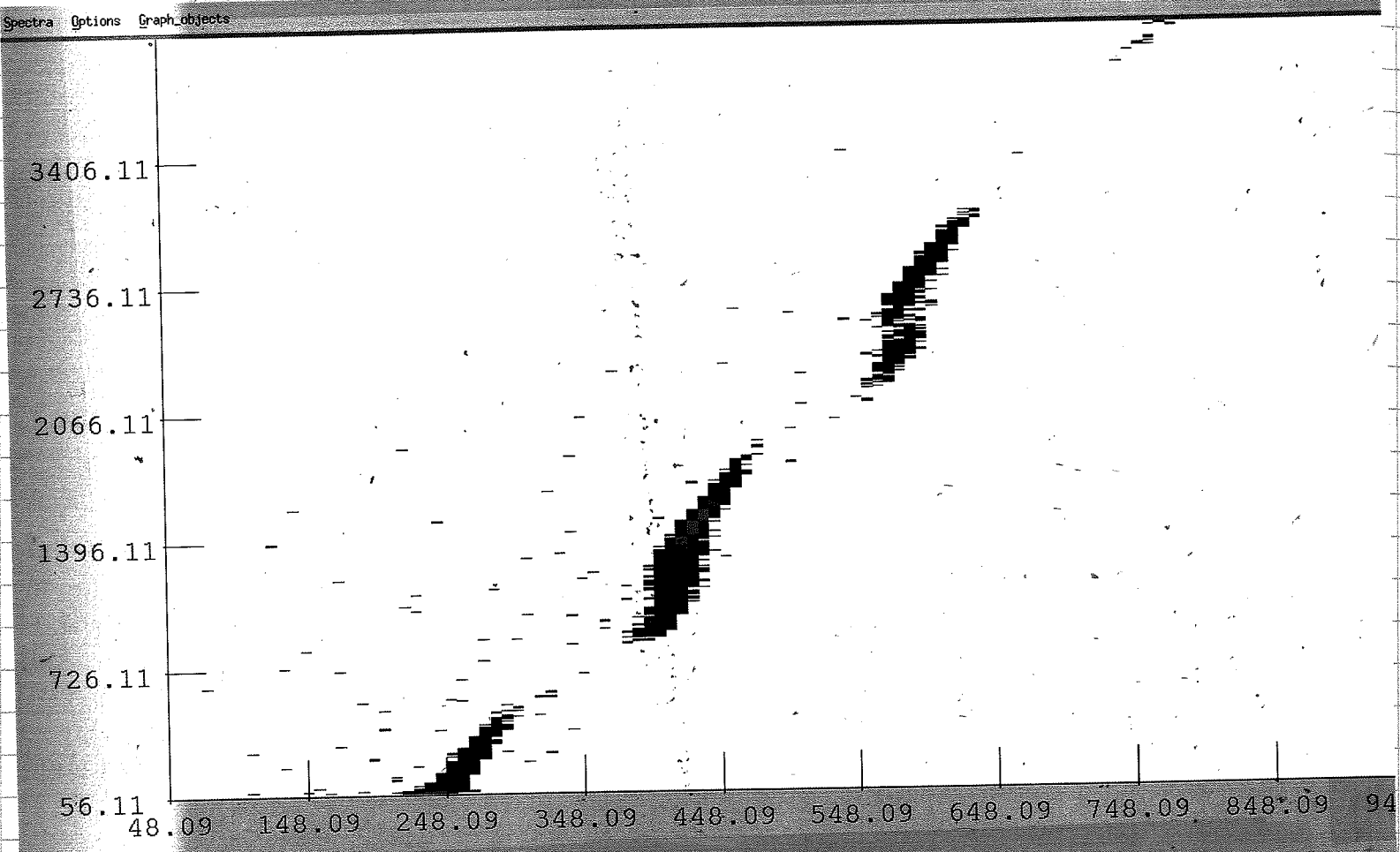
| | | | | | | | |
|-------------------|---|---|---------|--|------|-------------------------------|-------------------------------|
| v. 3.3 Run # | 263 | Date: | 11/7/14 | Start: | 7:28 | Stop: | 7:55 |
| Your Name: | Juan | Also on Shift: <input type="checkbox"/> Andy <input type="checkbox"/> Ben <input checked="" type="checkbox"/> Bill <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Han <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon | | | | | |
| Built data? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | <input checked="" type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Kyle <input type="checkbox"/> Mingbo <input checked="" type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Zibi <input type="checkbox"/> _____ | | | | | |
| Run Type: | <input checked="" type="checkbox"/> Data | Singles: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | | Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | | <input type="checkbox"/> CRDC | <input type="checkbox"/> Junk |
| S800 Trigger Box: | (1+) <input type="checkbox"/> S800 <input checked="" type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____) | <input checked="" type="checkbox"/> Ext. 2 (<input checked="" type="checkbox"/> MCP DS20K <input type="checkbox"/> _____) | | <input checked="" type="checkbox"/> Sec.: 10x | | | |
| HiRA Trigger: | <input checked="" type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl | Beam: <input checked="" type="checkbox"/> 74Kr <input type="checkbox"/> 74Kr degraded <input type="checkbox"/> proton <input type="checkbox"/> _____ | | | | | |
| Target: | <input type="checkbox"/> Viewer <input checked="" type="checkbox"/> CH2 100um <input type="checkbox"/> CH2 50um <input type="checkbox"/> out | Drive Positions: | | _____ mm | | Target (I251Y-R) | |
| | <input type="checkbox"/> Mask <input type="checkbox"/> Au <input type="checkbox"/> Alpha <input type="checkbox"/> Empty | | | _____ mm | | MCP 0 (US) (I250Y-R) | |
| MCP MCP 0 (US): | V: _____ I: <input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | _____ mm | | MCP 1 (DS) (I250X-R) | |
| MCP 1 (DS): | V: _____ I: <input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | | | | |
| MCP Voltage on? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | S800 Segment 8 Brho: | | Vacuum: | | e- torr | |
| CAEN Bias? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Comments: | | | | | |

| | | | | | | | |
|-------------------|---|---|--|--|-----------------------|------------------|----------------------|
| v. 3.3 Run # | 264 | Date: | 11/7/14 | Start: | 7:56 | Stop: | |
| Your Name: | Juan | Also on Shift: <input type="checkbox"/> Andy <input type="checkbox"/> Ben <input checked="" type="checkbox"/> Bill <input checked="" type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Han <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon | | | | | |
| Built data? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | <input checked="" type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Kyle <input type="checkbox"/> Mingbo <input checked="" type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Zibi <input type="checkbox"/> _____ | | | | | |
| Run Type: | <input type="checkbox"/> Data | Singles: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | | Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) <input type="checkbox"/> CRDC <input type="checkbox"/> Junk | | | |
| S800 Trigger Box: | (1+) <input type="checkbox"/> S800 <input checked="" type="checkbox"/> Coin. | Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____) | | Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____) | | Sec.: _____ | |
| HiRA Trigger: | <input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl | | Beam: <input checked="" type="checkbox"/> 74Kr <input type="checkbox"/> 74Kr degraded <input type="checkbox"/> proton <input type="checkbox"/> _____ | | | | |
| Target: | <input type="checkbox"/> Viewer | <input checked="" type="checkbox"/> CH2 100um | <input type="checkbox"/> CH2 50um | <input type="checkbox"/> out | | Drive Positions: | |
| | <input type="checkbox"/> Mask | <input type="checkbox"/> Au | <input type="checkbox"/> Alpha | <input type="checkbox"/> Empty | | _____ mm | Target (I251Y-R) |
| MCP MCP 0 (US): | V: _____ | I: <input checked="" type="checkbox"/> foil | <input type="checkbox"/> mask | <input type="checkbox"/> out | | _____ mm | MCP 0 (US) (I250Y-R) |
| MCP 1 (DS): | V: _____ | I: <input checked="" type="checkbox"/> foil | <input type="checkbox"/> mask | <input type="checkbox"/> out | | _____ mm | MCP 1 (DS) (I250X-R) |
| MCP Voltage on? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | S800 Segment 8 Brho: | | | Vacuum: _____ e- torr | | |
| CAEN Bias? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Comments: MCP High vs. Low problem persists | | | | | |

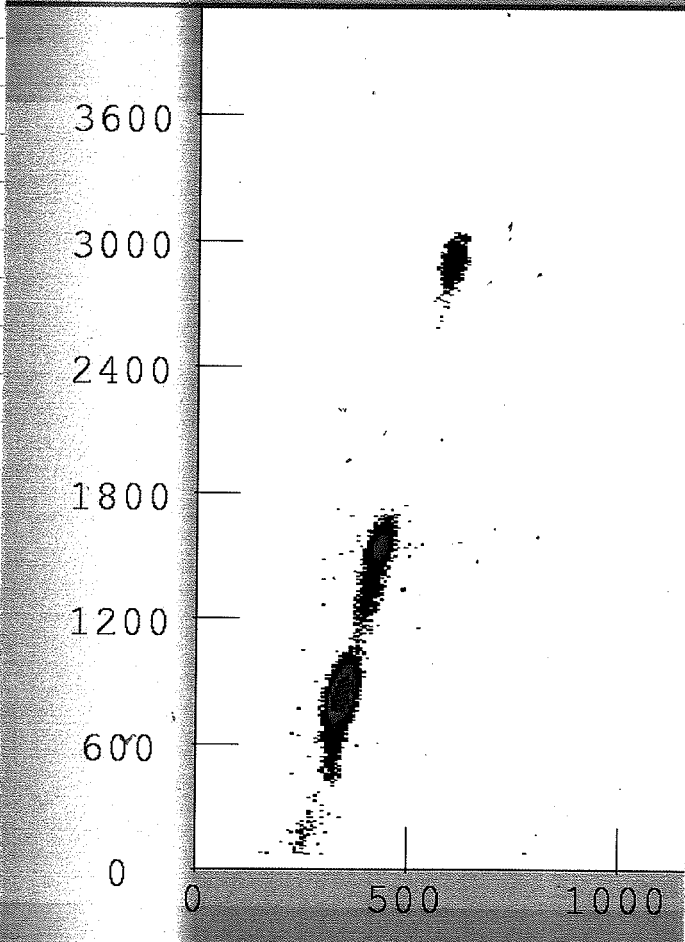
| | | | | | | | |
|-------------------|--|--|--|--|----------------------|------------------|----------------------|
| v. 3.3 Run # | 265 | Date: | 7 Nov, 2014 | Start: | 10:13AM | Stop: | |
| Your Name: | Cole | Also on Shift: <input type="checkbox"/> Andy <input type="checkbox"/> Ben <input checked="" type="checkbox"/> Bill <input checked="" type="checkbox"/> Cole <input checked="" type="checkbox"/> Corinne <input type="checkbox"/> Han <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon | | | | | |
| Built data? | <input type="checkbox"/> Yes <input type="checkbox"/> No | <input type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Kyle <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Zibi <input type="checkbox"/> _____ | | | | | |
| Run Type: | <input checked="" type="checkbox"/> Data | Singles: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input checked="" type="checkbox"/> MCP) | | Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) <input type="checkbox"/> CRDC <input type="checkbox"/> Junk | | | |
| S800 Trigger Box: | (1+) <input type="checkbox"/> S800 <input checked="" type="checkbox"/> Coin. | Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____) | | Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____) | | Sec.: _____ | |
| HiRA Trigger: | <input checked="" type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl | | Beam: <input checked="" type="checkbox"/> 74Kr <input type="checkbox"/> 74Kr degraded <input type="checkbox"/> proton <input type="checkbox"/> _____ | | | | |
| Target: | <input type="checkbox"/> Viewer | <input type="checkbox"/> CH2 100um | <input type="checkbox"/> CH2 50um | <input type="checkbox"/> out | | Drive Positions: | |
| | <input type="checkbox"/> Mask | <input type="checkbox"/> Au | <input type="checkbox"/> Alpha | <input type="checkbox"/> Empty | | 83 mm | Target (I251Y-R) |
| MCP MCP 0 (US): | V: 1306 | I: <input checked="" type="checkbox"/> foil | <input type="checkbox"/> mask | <input type="checkbox"/> out | | 70.5 mm | MCP 0 (US) (I250Y-R) |
| MCP 1 (DS): | V: 1750 | I: <input checked="" type="checkbox"/> foil | <input type="checkbox"/> mask | <input type="checkbox"/> out | | 107.5 mm | MCP 1 (DS) (I250X-R) |
| MCP Voltage on? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | S800 Segment 8 Brho: | | | Vacuum: 4.4 e-6 torr | | |
| CAEN Bias? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Comments: Si biases OK. | | | | | |

| | | | | | | | |
|-------------------|--|---|--|--|----------------------|------------------|----------------------|
| v. 3.3 Run # | 266 | Date: | 11/07/2014 | Start: | 14:05 | Stop: | |
| Your Name: | AMR | Also on Shift: <input checked="" type="checkbox"/> Andy <input type="checkbox"/> Ben <input checked="" type="checkbox"/> Bill <input checked="" type="checkbox"/> Cole <input checked="" type="checkbox"/> Corinne <input type="checkbox"/> Han <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon | | | | | |
| Built data? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | <input type="checkbox"/> Juan <input checked="" type="checkbox"/> Justin <input checked="" type="checkbox"/> Kyle <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Zibi <input type="checkbox"/> _____ | | | | | |
| Run Type: | <input checked="" type="checkbox"/> Data | Singles: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | | Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) <input type="checkbox"/> CRDC <input type="checkbox"/> Junk | | | |
| S800 Trigger Box: | (1+) <input type="checkbox"/> S800 <input checked="" type="checkbox"/> Coin. | Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____) | | Ext. 2 (<input checked="" type="checkbox"/> MCP DS <input type="checkbox"/> _____) | | Sec.: x10 | |
| HiRA Trigger: | <input checked="" type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl | | Beam: <input checked="" type="checkbox"/> 74Kr <input type="checkbox"/> 74Kr degraded <input type="checkbox"/> proton <input type="checkbox"/> _____ | | | | |
| Target: | <input type="checkbox"/> Viewer | <input checked="" type="checkbox"/> CH2 100um | <input type="checkbox"/> CH2 50um | <input type="checkbox"/> out | | Drive Positions: | |
| | <input type="checkbox"/> Mask | <input type="checkbox"/> Au | <input type="checkbox"/> Alpha | <input type="checkbox"/> Empty | | _____ mm | Target (I251Y-R) |
| MCP MCP 0 (US): | V: _____ | I: <input type="checkbox"/> foil | <input type="checkbox"/> mask | <input type="checkbox"/> out | | _____ mm | MCP 0 (US) (I250Y-R) |
| MCP 1 (DS): | V: _____ | I: <input type="checkbox"/> foil | <input type="checkbox"/> mask | <input type="checkbox"/> out | | _____ mm | MCP 1 (DS) (I250X-R) |
| MCP Voltage on? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | S800 Segment 8 Brho: 2.2954 Tm | | | Vacuum: 4.4 e-6 torr | | |
| CAEN Bias? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Comments: Charged MCP Phillips High-gain amp to NSCL Fast Amp. ! | | | | | |

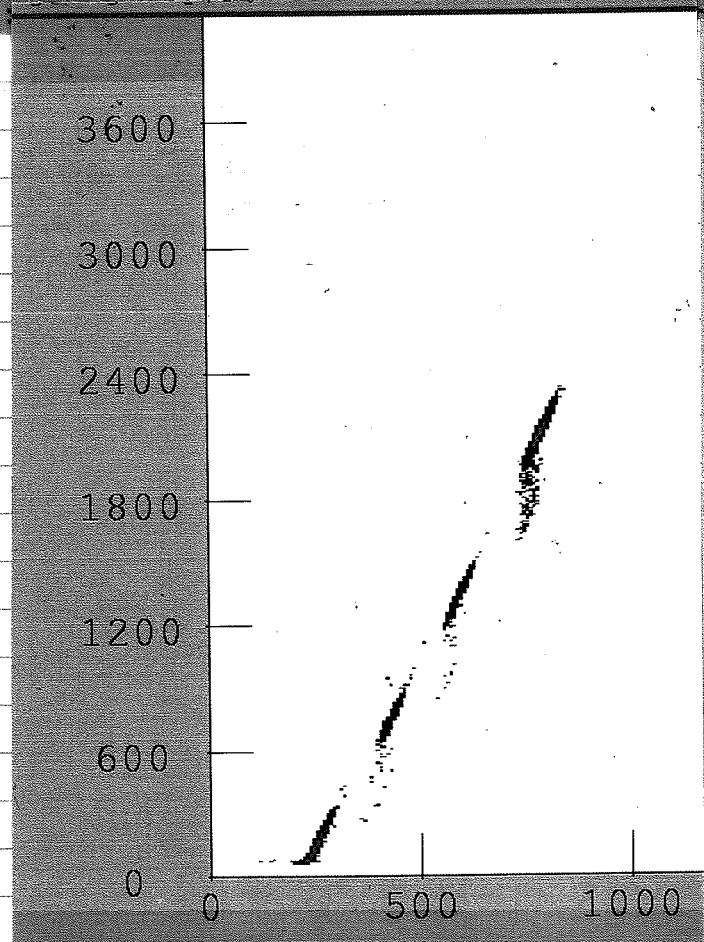




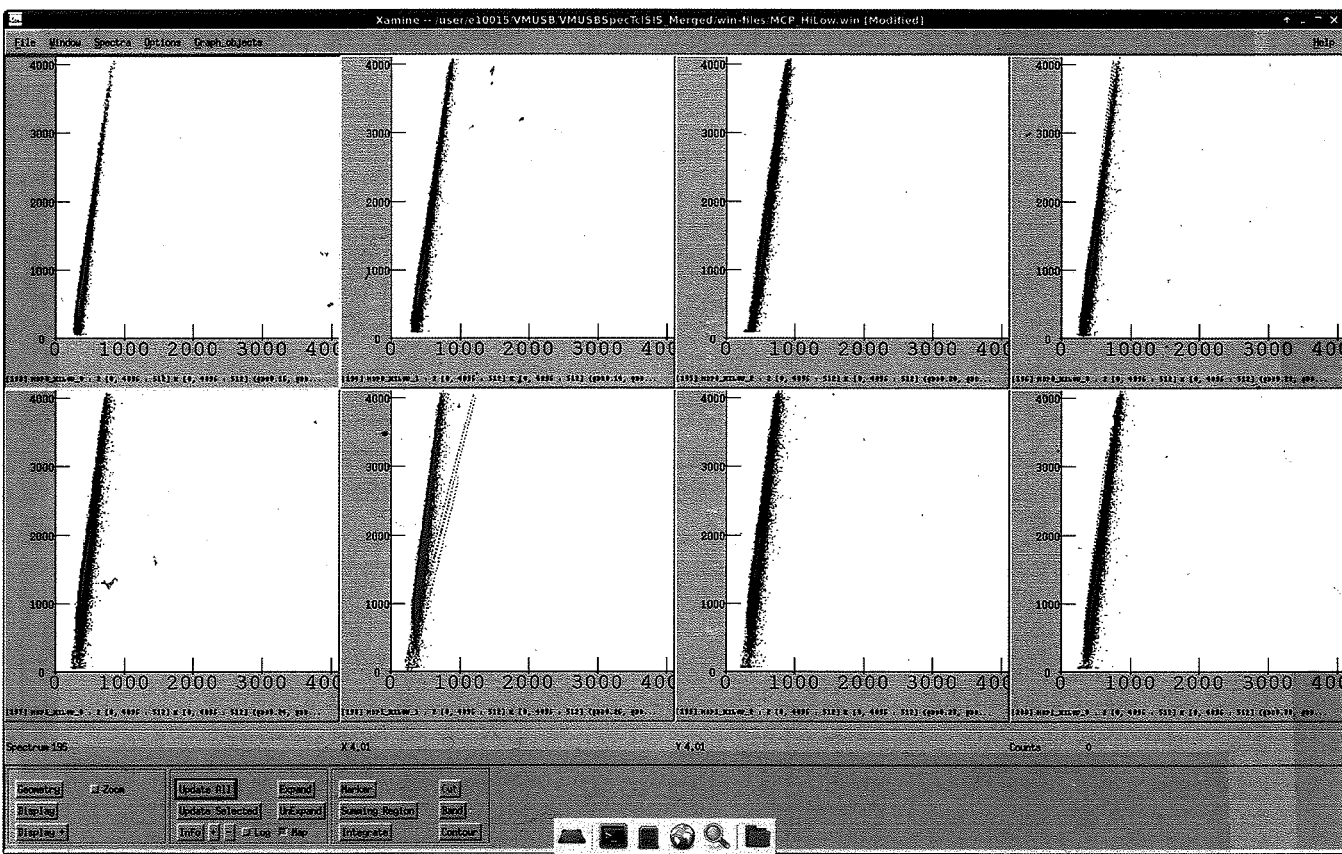
DDC1.121



[199] MCP1_HILOW_2 : 2 [0, 405



[199] MCP1_HILOW_2 : 2 [0, 405



| | | | | | | | |
|-------------------|--|----------------------|---|--------|---------|--|-------|
| v. 3.3 Run # | 267 | Date: | 11/7/14 | Start: | 14:26 | Stop: | 14:40 |
| Your Name: | Justin | Also on Shift: | <input checked="" type="checkbox"/> Andy <input type="checkbox"/> Ben <input checked="" type="checkbox"/> Bill <input checked="" type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Han <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon | | | | |
| Built data? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | | <input type="checkbox"/> Juan <input checked="" type="checkbox"/> Justin <input checked="" type="checkbox"/> Kyle <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Zibi <input type="checkbox"/> _____ | | | | |
| Run Type: | <input checked="" type="checkbox"/> Data | Singles: | <input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP | | Calib: | <input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP <input type="checkbox"/> CRDC <input type="checkbox"/> Junk | |
| S800 Trigger Box: | (1+) <input type="checkbox"/> S800 <input checked="" type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____) <input type="checkbox"/> Ext. 2 (<input checked="" type="checkbox"/> MCP DS <input type="checkbox"/> _____) <input checked="" type="checkbox"/> Sec.: | | | | | | |
| HiRA Trigger: | <input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl | Beam: | <input checked="" type="checkbox"/> 74Kr <input type="checkbox"/> 74Kr degraded <input type="checkbox"/> proton <input type="checkbox"/> _____ | | | | |
| Target: | <input type="checkbox"/> Viewer <input checked="" type="checkbox"/> CH2 100um <input type="checkbox"/> CH2 50um <input type="checkbox"/> out <input type="checkbox"/> Mask <input type="checkbox"/> Au <input type="checkbox"/> Alpha <input type="checkbox"/> Empty | Drive Positions: | 83 mm Target (I251Y-R) 70.5 mm MCP 0 (US) (I250Y-R) 107.5 mm MCP 1 (DS) (I250X-R) | | | | |
| MCP MCP 0 (US): | V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | | | | |
| MCP 1 (DS): | V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | | | | |
| MCP Voltage on? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | S800 Segment 8 Brho: | 2.2954 | | Vacuum: | 4.4 e-6 torr | |
| CAEN Bias? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Comments: | | | | | |

| | | | | | | | |
|-------------------|--|----------------------|---|--------|---------|--|-------|
| v. 3.3 Run # | 268 | Date: | 11/7/14 | Start: | 15:17 | Stop: | 15:22 |
| Your Name: | Justin | Also on Shift: | <input checked="" type="checkbox"/> Andy <input type="checkbox"/> Ben <input checked="" type="checkbox"/> Bill <input checked="" type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Han <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon | | | | |
| Built data? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | | <input type="checkbox"/> Juan <input type="checkbox"/> Justin <input checked="" type="checkbox"/> Kyle <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Zibi <input type="checkbox"/> _____ | | | | |
| Run Type: | <input type="checkbox"/> Data | Singles: | <input type="checkbox"/> HiRA <input checked="" type="checkbox"/> S800 <input type="checkbox"/> MCP | | Calib: | <input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP <input type="checkbox"/> CRDC <input type="checkbox"/> Junk | |
| S800 Trigger Box: | (1+) <input checked="" type="checkbox"/> S800 <input type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____) <input type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____) <input type="checkbox"/> Sec.: | | | | | | |
| HiRA Trigger: | <input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl | Beam: | <input checked="" type="checkbox"/> 74Kr <input type="checkbox"/> 74Kr degraded <input type="checkbox"/> proton <input type="checkbox"/> _____ | | | | |
| Target: | <input type="checkbox"/> Viewer <input checked="" type="checkbox"/> CH2 100um <input type="checkbox"/> CH2 50um <input type="checkbox"/> out <input type="checkbox"/> Mask <input type="checkbox"/> Au <input type="checkbox"/> Alpha <input type="checkbox"/> Empty | Drive Positions: | 83 mm Target (I251Y-R) 70.5 mm MCP 0 (US) (I250Y-R) 107.5 mm MCP 1 (DS) (I250X-R) | | | | |
| MCP MCP 0 (US): | V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | | | | |
| MCP 1 (DS): | V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | | | | |
| MCP Voltage on? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | S800 Segment 8 Brho: | | | Vacuum: | e- torr | |
| CAEN Bias? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Comments: | Pre Amps were not put back correctly will try again | | | | |

| | | | | | | | |
|-------------------|--|----------------------|---|--------|---------|---|-------|
| v. 3.3 Run # | 269 | Date: | 11/7/14 | Start: | 15:28 | Stop: | 15:33 |
| Your Name: | Justin | Also on Shift: | <input checked="" type="checkbox"/> Andy <input type="checkbox"/> Ben <input checked="" type="checkbox"/> Bill <input checked="" type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Han <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon | | | | |
| Built data? | <input type="checkbox"/> Yes <input type="checkbox"/> No | | <input type="checkbox"/> Juan <input checked="" type="checkbox"/> Justin <input checked="" type="checkbox"/> Kyle <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Zibi <input type="checkbox"/> _____ | | | | |
| Run Type: | <input type="checkbox"/> Data | Singles: | <input type="checkbox"/> HiRA <input checked="" type="checkbox"/> S800 <input type="checkbox"/> MCP | | Calib: | <input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP <input checked="" type="checkbox"/> CRDC <input type="checkbox"/> Junk | |
| S800 Trigger Box: | (1+) <input checked="" type="checkbox"/> S800 <input type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____) <input type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____) <input type="checkbox"/> Sec.: | | | | | | |
| HiRA Trigger: | <input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl | Beam: | <input checked="" type="checkbox"/> 74Kr <input type="checkbox"/> 74Kr degraded <input type="checkbox"/> proton <input type="checkbox"/> _____ | | | | |
| Target: | <input type="checkbox"/> Viewer <input checked="" type="checkbox"/> CH2 100um <input type="checkbox"/> CH2 50um <input type="checkbox"/> out <input type="checkbox"/> Mask <input type="checkbox"/> Au <input type="checkbox"/> Alpha <input type="checkbox"/> Empty | Drive Positions: | 83 mm Target (I251Y-R) 70.5 mm MCP 0 (US) (I250Y-R) 107.5 mm MCP 1 (DS) (I250X-R) | | | | |
| MCP MCP 0 (US): | V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | | | | |
| MCP 1 (DS): | V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | | | | |
| MCP Voltage on? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | S800 Segment 8 Brho: | | | Vacuum: | 4.4 e-6 torr | |
| CAEN Bias? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Comments: | CRDC 1 Mask run | | | | |

| | | | | | | | |
|-------------------|---|---|--|--|-------|--|-------|
| v. 3.3 Run # | 270 | Date: | 11/7/14 | Start: | 15:35 | Stop: | 15:40 |
| Your Name: | Justin | Also on Shift: <input checked="" type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Bill <input checked="" type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Han <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon | | | | | |
| Built data? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | <input type="checkbox"/> Juan <input checked="" type="checkbox"/> Justin <input checked="" type="checkbox"/> Kyle <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Zibi <input type="checkbox"/> | | | | | |
| Run Type: | <input type="checkbox"/> Data | Singles: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | | Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | | <input checked="" type="checkbox"/> CRDC <input type="checkbox"/> Junk | |
| S800 Trigger Box: | (1+) <input checked="" type="checkbox"/> S800 <input type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____) | <input type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____) | | <input type="checkbox"/> Sec.: _____ | | | |
| HIRA Trigger: | <input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl | | Beam: <input checked="" type="checkbox"/> 74Kr <input type="checkbox"/> 74Kr degraded <input type="checkbox"/> proton <input type="checkbox"/> | | | | |
| Target: | <input type="checkbox"/> Viewer <input checked="" type="checkbox"/> CH2 100um <input type="checkbox"/> CH2 50um <input type="checkbox"/> out | <input type="checkbox"/> Mask <input type="checkbox"/> Au <input type="checkbox"/> Alpha <input type="checkbox"/> Empty | | Drive Positions: | | Target (I251Y-R) | |
| MCP MCP 0 (US): | V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | 83 mm | | MCP 0 (US) (I250Y-R) | |
| MCP 1 (DS): | V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | 70.5 mm | | MCP 1 (DS) (I250X-R) | |
| MCP Voltage on? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | S800 Segment 8 Brho: | | Vacuum: 4.4 e-6 torr | | | |
| CAEN Bias? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Comments: CRDC 2 calibration run | | | | | |

| | | | | | | | |
|-------------------|---|---|--|--|-------|---|--|
| v. 3.3 Run # | 271 | Date: | 11/7/14 | Start: | 15:59 | Stop: | |
| Your Name: | Justin | Also on Shift: <input checked="" type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Bill <input checked="" type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Han <input type="checkbox"/> Jack <input checked="" type="checkbox"/> Jenny <input checked="" type="checkbox"/> Jon | | | | | |
| Built data? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | <input type="checkbox"/> Juan <input checked="" type="checkbox"/> Justin <input checked="" type="checkbox"/> Kyle <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input checked="" type="checkbox"/> Suwat <input type="checkbox"/> Zibi <input type="checkbox"/> | | | | | |
| Run Type: | <input checked="" type="checkbox"/> Data | Singles: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | | Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | | <input type="checkbox"/> CRDC <input type="checkbox"/> Junk | |
| S800 Trigger Box: | (1+) <input type="checkbox"/> S800 <input checked="" type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____) | <input checked="" type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____) | | <input checked="" type="checkbox"/> Sec.: _____ | | | |
| HIRA Trigger: | <input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl | | Beam: <input checked="" type="checkbox"/> 74Kr <input type="checkbox"/> 74Kr degraded <input type="checkbox"/> proton <input type="checkbox"/> | | | | |
| Target: | <input type="checkbox"/> Viewer <input checked="" type="checkbox"/> CH2 100um <input type="checkbox"/> CH2 50um <input type="checkbox"/> out | <input type="checkbox"/> Mask <input type="checkbox"/> Au <input type="checkbox"/> Alpha <input type="checkbox"/> Empty | | Drive Positions: | | Target (I251Y-R) | |
| MCP MCP 0 (US): | 68 pA | V: 1.8KV I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | 83 mm | | MCP 0 (US) (I250Y-R) | |
| MCP 1 (DS): | 56 pA | V: 1.75KV I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | 70.5 mm | | MCP 1 (DS) (I250X-R) | |
| MCP Voltage on? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | S800 Segment 8 Brho: | | Vacuum: e- torr | | | |
| CAEN Bias? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Comments: Changed d/p/p from 1020 -> .33390 Momentum acceptance changed | | | | | |

The TDC window was shifted -100 ns to better capture the MCP timing signals. Start at run 272 and beyond.

* Nov 7, 2014 / 18:20

The object scintillator has moved to a different position.

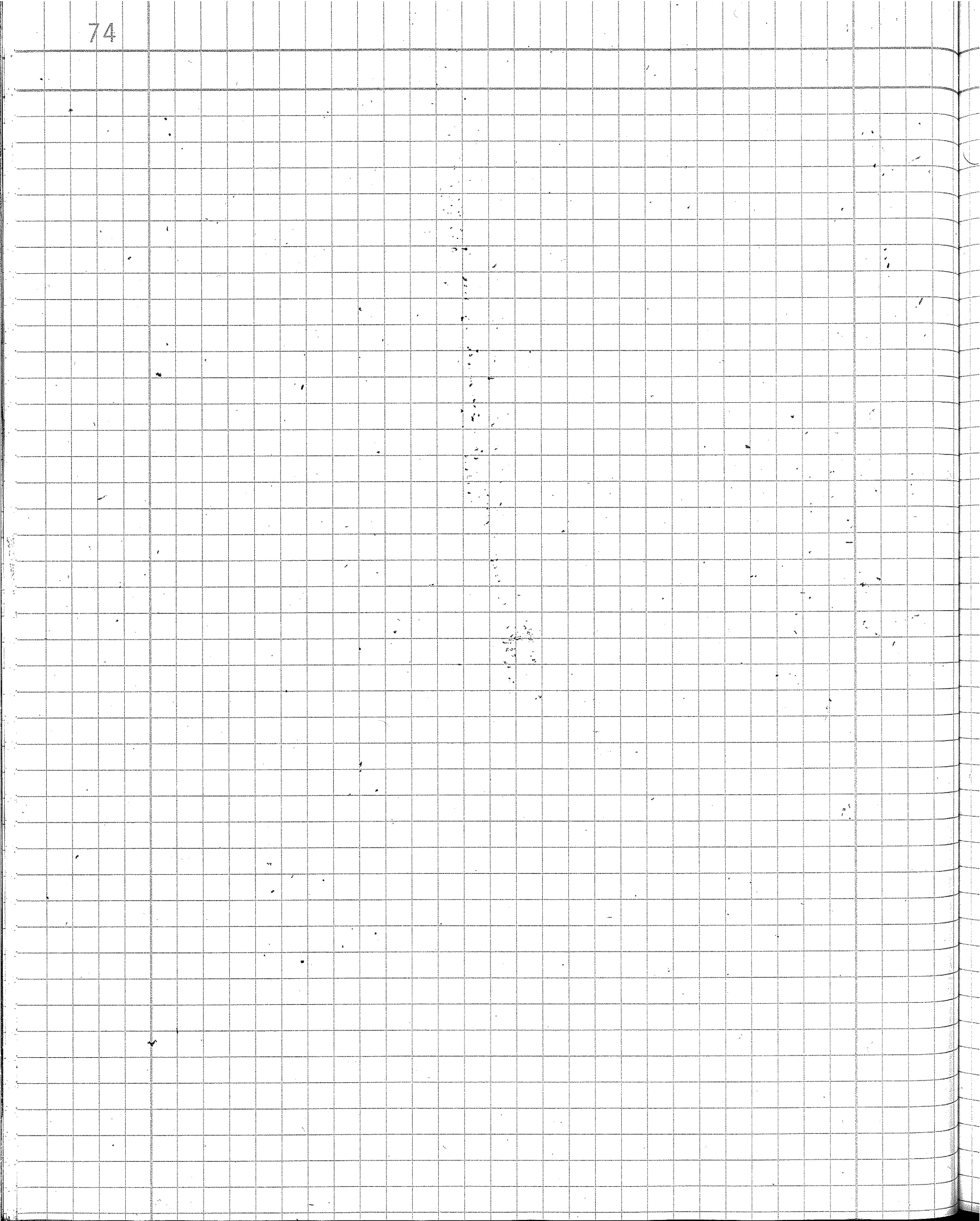
| | | | | | | | |
|-------------------|--|---|---------|--|-------|-------------------------------|-------------------------------|
| v. 3.3 Run # | 272 | Date: | 11/7/14 | Start: | 18:33 | Stop: | 19:29 |
| Your Name: | Suwat | Also on Shift: <input checked="" type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Bill <input checked="" type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Han <input type="checkbox"/> Jack <input checked="" type="checkbox"/> Jenny <input checked="" type="checkbox"/> Jon | | | | | |
| Built data? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | <input type="checkbox"/> Juan <input type="checkbox"/> Justin <input checked="" type="checkbox"/> Kyle <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input checked="" type="checkbox"/> Suwat <input type="checkbox"/> Zibi <input type="checkbox"/> _____ | | | | | |
| Run Type: | <input checked="" type="checkbox"/> Data | Singles: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | | Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | | <input type="checkbox"/> CRDC | <input type="checkbox"/> Junk |
| S800 Trigger Box: | (1+) <input type="checkbox"/> S800 <input checked="" type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____) | <input checked="" type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____) | | <input checked="" type="checkbox"/> Sec.: _____ | | | |
| HiRA Trigger: | <input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl | Beam: | | <input checked="" type="checkbox"/> 74Kr <input type="checkbox"/> 74Kr degraded <input type="checkbox"/> proton <input type="checkbox"/> _____ | | | |
| Target: | <input type="checkbox"/> Viewer <input checked="" type="checkbox"/> CH2 100um <input type="checkbox"/> CH2 50um <input type="checkbox"/> out | <input type="checkbox"/> Au <input type="checkbox"/> Alpha <input type="checkbox"/> Empty | | Drive Positions: | | 83 mm Target (I251Y-R) | |
| MCP MCP 0 (US): | V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | _____ mm MCP 0 (US) (I250Y-R) | | | |
| MCP 1 (DS): | V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | _____ mm MCP 1 (DS) (I250X-R) | | | |
| MCP Voltage on? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | S800 Segment 8 Brho: | | Vacuum: | | e- torr | |
| CAEN Bias? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Comments: | | | | | |

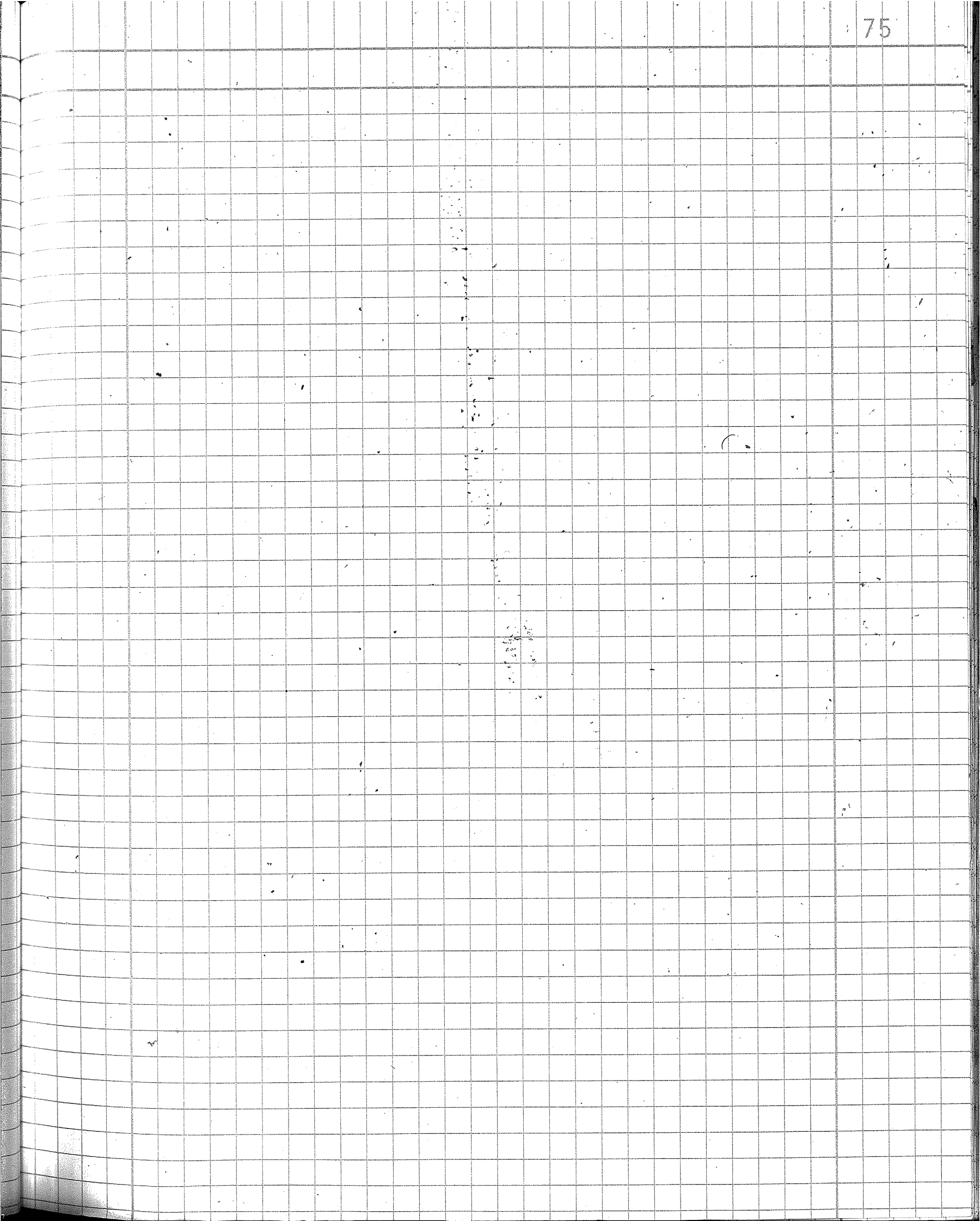
MCP Timing Signal delay 100 ns

| | | | | | | | |
|-------------------|--|---|---------|--|-------|-------------------------------|-------------------------------|
| v. 3.3 Run # | 273 | Date: | 11/7/14 | Start: | 19:40 | Stop: | |
| Your Name: | Suwat | Also on Shift: <input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Bill <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Han <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon | | | | | |
| Built data? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | <input type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Kyle <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Zibi <input type="checkbox"/> _____ | | | | | |
| Run Type: | <input checked="" type="checkbox"/> Data | Singles: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | | Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | | <input type="checkbox"/> CRDC | <input type="checkbox"/> Junk |
| S800 Trigger Box: | (1+) <input type="checkbox"/> S800 <input checked="" type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____) | <input checked="" type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____) | | <input checked="" type="checkbox"/> Sec.: EF, EB | | | |
| HiRA Trigger: | <input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl | Beam: | | <input checked="" type="checkbox"/> 74Kr <input type="checkbox"/> 74Kr degraded <input type="checkbox"/> proton <input type="checkbox"/> _____ | | | |
| Target: | <input type="checkbox"/> Viewer <input checked="" type="checkbox"/> CH2 100um <input type="checkbox"/> CH2 50um <input type="checkbox"/> out | <input type="checkbox"/> Au <input type="checkbox"/> Alpha <input type="checkbox"/> Empty | | Drive Positions: | | 83 mm Target (I251Y-R) | |
| MCP MCP 0 (US): | V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | _____ mm MCP 0 (US) (I250Y-R) | | | |
| MCP 1 (DS): | V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | _____ mm MCP 1 (DS) (I250X-R) | | | |
| MCP Voltage on? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | S800 Segment 8 Brho: | | Vacuum: | | e- torr | |
| CAEN Bias? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Comments: | | | | | |

| | | | | | | | |
|-------------------|--|---|--|---|-----------------------|---|--|
| v. 3.3 Run # | 274 | Date: | 11/7/14 | Start: | 20:52 | Stop: | |
| Your Name: | Suwat | Also on Shift: <input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Bill <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Han <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon | | | | | |
| Built data? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | <input type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Kyle <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Zibi <input type="checkbox"/> _____ | | | | | |
| Run Type: | <input checked="" type="checkbox"/> Data | Singles: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | | Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | | <input type="checkbox"/> CRDC <input type="checkbox"/> Junk | |
| S800 Trigger Box: | (1+) <input type="checkbox"/> S800 <input checked="" type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____) | <input checked="" type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____) | | <input checked="" type="checkbox"/> Sec.: EF, EB | | | |
| HiRA Trigger: | <input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl | | Beam: <input checked="" type="checkbox"/> 74Kr <input type="checkbox"/> 74Kr degraded <input type="checkbox"/> proton <input type="checkbox"/> _____ | | | | |
| Target: | <input type="checkbox"/> Viewer <input checked="" type="checkbox"/> CH2 100um <input type="checkbox"/> CH2 50um <input type="checkbox"/> out | Drive Positions: | | 83 mm | | Target (I251Y-R) | |
| | <input type="checkbox"/> Mask <input type="checkbox"/> Au <input type="checkbox"/> Alpha <input type="checkbox"/> Empty | | | _____ mm | | MCP 0 (US) (I250Y-R) | |
| MCP MCP 0 (US): | V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | _____ mm | | MCP 1 (DS) (I250X-R) | |
| MCP 1 (DS): | V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | | | | |
| MCP Voltage on? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | S800 Segment 8 Brho: | | | Vacuum: _____ e- torr | | |
| CAEN Bias? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Comments: | | | | | |

| | | | | | | | |
|-------------------|--|--|--|---|-----------------------|---|--|
| v. 3.3 Run # | 275 | Date: | 11/7/14 | Start: | 21:57 | Stop: | |
| Your Name: | Suwat | Also on Shift: <input checked="" type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Bill <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Han <input type="checkbox"/> Jack <input checked="" type="checkbox"/> Jenny <input checked="" type="checkbox"/> Jon | | | | | |
| Built data? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | <input type="checkbox"/> Juan <input type="checkbox"/> Justin <input checked="" type="checkbox"/> Kyle <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input checked="" type="checkbox"/> Suwat <input type="checkbox"/> Zibi <input type="checkbox"/> _____ | | | | | |
| Run Type: | <input checked="" type="checkbox"/> Data | Singles: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | | Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | | <input type="checkbox"/> CRDC <input type="checkbox"/> Junk | |
| S800 Trigger Box: | (1+) <input type="checkbox"/> S800 <input checked="" type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____) | <input checked="" type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____) | | <input checked="" type="checkbox"/> Sec.: EB, EK | | | |
| HiRA Trigger: | <input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl | | Beam: <input checked="" type="checkbox"/> 74Kr <input type="checkbox"/> 74Kr degraded <input type="checkbox"/> proton <input type="checkbox"/> _____ | | | | |
| Target: | <input type="checkbox"/> Viewer <input checked="" type="checkbox"/> CH2 100um <input type="checkbox"/> CH2 50um <input type="checkbox"/> out | Drive Positions: | | 83 mm | | Target (I251Y-R) | |
| | <input type="checkbox"/> Mask <input type="checkbox"/> Au <input type="checkbox"/> Alpha <input type="checkbox"/> Empty | | | _____ mm | | MCP 0 (US) (I250Y-R) | |
| MCP MCP 0 (US): | V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | _____ mm | | MCP 1 (DS) (I250X-R) | |
| MCP 1 (DS): | V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | | | | |
| MCP Voltage on? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | S800 Segment 8 Brho: | | | Vacuum: _____ e- torr | | |
| CAEN Bias? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Comments: | | | | | |





| | | | | | | | |
|-------------------|--|---|---------|--|-------|-------------------------------|-------------------------------|
| v. 3.3 Run # | 276 | Date: | 11/7/14 | Start: | 22:29 | Stop: | |
| Your Name: | Suwat | Also on Shift: <input checked="" type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Bill <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Han <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input checked="" type="checkbox"/> Jon | | | | | |
| Built data? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | <input type="checkbox"/> Juan <input type="checkbox"/> Justin <input checked="" type="checkbox"/> Kyle <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input checked="" type="checkbox"/> Suwat <input type="checkbox"/> Zibi <input type="checkbox"/> _____ | | | | | |
| Run Type: | <input type="checkbox"/> Data | Singles: (<input type="checkbox"/> HiRA <input checked="" type="checkbox"/> S800 <input type="checkbox"/> MCP) | | Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | | <input type="checkbox"/> CRDC | <input type="checkbox"/> Junk |
| S800 Trigger Box: | (1+) <input checked="" type="checkbox"/> S800 <input type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____) | <input type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____) | | <input type="checkbox"/> Sec.: _____ | | | |
| HiRA Trigger: | <input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl | Beam: | | <input checked="" type="checkbox"/> 74Kr <input type="checkbox"/> 74Kr degraded <input type="checkbox"/> proton <input type="checkbox"/> _____ | | | |
| Target: | <input type="checkbox"/> Viewer <input checked="" type="checkbox"/> CH2 100um <input type="checkbox"/> CH2 50um <input type="checkbox"/> out | Drive Positions: | | 83 mm | | Target (I251Y-R) | |
| | <input type="checkbox"/> Mask <input type="checkbox"/> Au <input type="checkbox"/> Alpha <input type="checkbox"/> Empty | | | _____ mm | | MCP 0 (US) (I250Y-R) | |
| MCP MCP 0 (US): | V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | _____ mm | | MCP 1 (DS) (I250X-R) | |
| MCP 1 (DS): | V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | | | | |
| MCP Voltage on? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | S800 Segment 8 Brho: | | Vacuum: | | _____ e- torr | |
| CAEN Bias? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Comments: | | | | | |

| | | | | | | | |
|-------------------|--|---|---------|--|-------|-------------------------------|-------------------------------|
| v. 3.3 Run # | 277 | Date: | 11/7/14 | Start: | 22:34 | Stop: | |
| Your Name: | Suwat | Also on Shift: <input checked="" type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Bill <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Han <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input checked="" type="checkbox"/> Jon | | | | | |
| Built data? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | <input type="checkbox"/> Juan <input type="checkbox"/> Justin <input checked="" type="checkbox"/> Kyle <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input checked="" type="checkbox"/> Suwat <input type="checkbox"/> Zibi <input type="checkbox"/> _____ | | | | | |
| Run Type: | <input checked="" type="checkbox"/> Data | Singles: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | | Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | | <input type="checkbox"/> CRDC | <input type="checkbox"/> Junk |
| S800 Trigger Box: | (1+) <input type="checkbox"/> S800 <input checked="" type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____) | <input checked="" type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____) | | <input checked="" type="checkbox"/> Sec.: EB, EF | | | |
| HiRA Trigger: | <input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl | Beam: | | <input checked="" type="checkbox"/> 74Kr <input type="checkbox"/> 74Kr degraded <input type="checkbox"/> proton <input type="checkbox"/> _____ | | | |
| Target: | <input type="checkbox"/> Viewer <input checked="" type="checkbox"/> CH2 100um <input type="checkbox"/> CH2 50um <input type="checkbox"/> out | Drive Positions: | | 83 mm | | Target (I251Y-R) | |
| | <input type="checkbox"/> Mask <input type="checkbox"/> Au <input type="checkbox"/> Alpha <input type="checkbox"/> Empty | | | _____ mm | | MCP 0 (US) (I250Y-R) | |
| MCP MCP 0 (US): | V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | _____ mm | | MCP 1 (DS) (I250X-R) | |
| MCP 1 (DS): | V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | | | | |
| MCP Voltage on? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | S800 Segment 8 Brho: | | Vacuum: | | _____ e- torr | |
| CAEN Bias? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Comments: | | | | | |

| | | | | | | | |
|-------------------|---|----------------------|---|--------|------|-------|--|
| v. 3.3 Run # | 278 | Date: | 11/8/14 | Start: | 0:04 | Stop: | |
| Your Name: | Suwat | Also on Shift: | <input checked="" type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Bill <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Han <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input checked="" type="checkbox"/> Jon <input type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Kyle <input type="checkbox"/> Mingbo <input checked="" type="checkbox"/> Rachel <input type="checkbox"/> Sean <input checked="" type="checkbox"/> Suwat <input type="checkbox"/> Zibi <input type="checkbox"/> | | | | |
| Built data? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | | | | | | |
| Run Type: | <input checked="" type="checkbox"/> Data | Singles: | <input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) <input type="checkbox"/> CRDC <input type="checkbox"/> Junk | | | | |
| S800 Trigger Box: | (1+) <input type="checkbox"/> S800 <input checked="" type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____) | Ext. 2 | <input type="checkbox"/> MCP DS <input type="checkbox"/> _____ <input checked="" type="checkbox"/> Sec.: <u>EB, EF</u> | | | | |
| HiRA Trigger: | <input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl | Beam: | <input type="checkbox"/> 74Kr <input type="checkbox"/> 74Kr degraded <input type="checkbox"/> proton <input type="checkbox"/> | | | | |
| Target: | <input type="checkbox"/> Viewer <input checked="" type="checkbox"/> CH2 100um <input type="checkbox"/> CH2 50um <input type="checkbox"/> out <input type="checkbox"/> Mask <input type="checkbox"/> Au <input type="checkbox"/> Alpha <input type="checkbox"/> Empty | Drive Positions: | 83 mm Target (I251Y-R) _____ mm MCP 0 (US) (I250Y-R) _____ mm MCP 1 (DS) (I250X-R) | | | | |
| MCP MCP 0 (US): | V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | | | | |
| MCP 1 (DS): | V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | | | | |
| MCP Voltage on? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | S800 Segment 8 Brho: | Vacuum: _____ e- torr | | | | |
| CAEN Bias? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Comments: | | | | | |

| | | | | | | | |
|-------------------|--|--------------------------------|---|--------|------|-------|-------|
| v. 3.3 Run # | 279 | Date: | 11/8/14 | Start: | 1:07 | Stop: | 01:12 |
| Your Name: | Rachel | Also on Shift: | <input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Bill <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Han <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon <input checked="" type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Kyle <input type="checkbox"/> Mingbo <input checked="" type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Zibi <input type="checkbox"/> | | | | |
| Built data? | <input type="checkbox"/> Yes <input type="checkbox"/> No | | | | | | |
| Run Type: | <input type="checkbox"/> Data | Singles: | <input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) <input checked="" type="checkbox"/> CRDC <input type="checkbox"/> Junk | | | | |
| S800 Trigger Box: | (1+) <input checked="" type="checkbox"/> S800 <input type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____) | Ext. 2 | <input type="checkbox"/> MCP DS <input type="checkbox"/> _____ <input type="checkbox"/> Sec.: _____ | | | | |
| HiRA Trigger: | <input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl | Beam: | <input checked="" type="checkbox"/> 74Kr <input type="checkbox"/> 74Kr degraded <input type="checkbox"/> proton <input type="checkbox"/> | | | | |
| Target: | <input type="checkbox"/> Viewer <input type="checkbox"/> CH2 100um <input type="checkbox"/> CH2 50um <input type="checkbox"/> out <input type="checkbox"/> Mask <input type="checkbox"/> Au <input type="checkbox"/> Alpha <input type="checkbox"/> Empty | Drive Positions: | _____ mm Target (I251Y-R) _____ mm MCP 0 (US) (I250Y-R) _____ mm MCP 1 (DS) (I250X-R) | | | | |
| MCP MCP 0 (US): | V: _____ I: <input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | | | | |
| MCP 1 (DS): | V: _____ I: <input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | | | | |
| MCP Voltage on? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | S800 Segment 8 Brho: | Vacuum: _____ e- torr | | | | |
| CAEN Bias? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Comments: CRDC 2 Mask upstream | | | | | |

| | | | | | | | |
|-------------------|--|----------------------------------|---|--------|------|-------|------|
| v. 3.3 Run # | 280 | Date: | 11/8/14 | Start: | 1:13 | Stop: | 1:18 |
| Your Name: | Rachel | Also on Shift: | <input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Bill <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Han <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon <input checked="" type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Kyle <input type="checkbox"/> Mingbo <input checked="" type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Zibi <input type="checkbox"/> | | | | |
| Built data? | <input type="checkbox"/> Yes <input type="checkbox"/> No | | | | | | |
| Run Type: | <input type="checkbox"/> Data | Singles: | <input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) <input checked="" type="checkbox"/> CRDC <input type="checkbox"/> Junk | | | | |
| S800 Trigger Box: | (1+) <input checked="" type="checkbox"/> S800 <input type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____) | Ext. 2 | <input type="checkbox"/> MCP DS <input type="checkbox"/> _____ <input type="checkbox"/> Sec.: _____ | | | | |
| HiRA Trigger: | <input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl | Beam: | <input type="checkbox"/> 74Kr <input type="checkbox"/> 74Kr degraded <input type="checkbox"/> proton <input type="checkbox"/> | | | | |
| Target: | <input type="checkbox"/> Viewer <input type="checkbox"/> CH2 100um <input type="checkbox"/> CH2 50um <input type="checkbox"/> out <input type="checkbox"/> Mask <input type="checkbox"/> Au <input type="checkbox"/> Alpha <input type="checkbox"/> Empty | Drive Positions: | _____ mm Target (I251Y-R) _____ mm MCP 0 (US) (I250Y-R) _____ mm MCP 1 (DS) (I250X-R) | | | | |
| MCP MCP 0 (US): | V: _____ I: <input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | | | | |
| MCP 1 (DS): | V: _____ I: <input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | | | | |
| MCP Voltage on? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | S800 Segment 8 Brho: | Vacuum: _____ e- torr | | | | |
| CAEN Bias? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Comments: CRDC 2 mask downstream | | | | | |

v. 3.3 | Run # 281 | Date: _____ | Start: _____ | Stop: _____

Your Name: _____ | Also on Shift: Andy Ben Bill Cole Corinne Han Jack Jenny Jon

Built data? Yes No | Juan Justin Kyle Mingbo Rachel Sean Suwat Zibi

Run Type: Data | Singles: (HiRA S800 MCP) | Calib: (HiRA S800 MCP) CRDC Junk

S800 Trigger Box: (1+) S800 Coin. Ext.1 (pulser _____) Ext. 2 (MCP DS _____) Sec.: EB+EF

HiRA Trigger: EF&EB EF Csl | Beam: 74Kr 74Kr degraded proton

Target: Viewer CH2 100um CH2 50um out

Mask Au Alpha Empty

Drive Positions: 83 mm Target (I251Y-R)

MCP MCP 0 (US): V: _____ I: foil mask out 70.5 mm MCP 0 (US) (I250Y-R)

MCP 1 (DS): V: _____ I: foil mask out 107.5 mm MCP 1 (DS) (I250X-R)

MCP Voltage on? Yes No | S800 Segment 8 Brho: _____ | Vacuum: _____ e- torr

CAEN Bias? Yes No | Comments: Incorrect! → JUNK: Trigger not saved

v. 3.3 | Run # 282 | Date: 11/8/14 | Start: 1:26 | Stop: 2:28

Your Name: Rachel | Also on Shift: Andy Ben Bill Cole Corinne Han Jack Jenny Jon

Built data? Yes No | Juan Justin Kyle Mingbo Rachel Sean Suwat Zibi

Run Type: Data | Singles: (HiRA S800 MCP) | Calib: (HiRA S800 MCP) CRDC Junk

S800 Trigger Box: (1+) S800 Coin. Ext.1 (pulser _____) Ext. 2 (MCP DS _____) Sec.: _____

HiRA Trigger: EF&EB EF Csl | Beam: 74Kr 74Kr degraded proton

Target: Viewer CH2 100um CH2 50um out

Mask Au Alpha Empty

Drive Positions: 83 mm Target (I251Y-R)

MCP MCP 0 (US): V: _____ I: foil mask out 70.5 mm MCP 0 (US) (I250Y-R)

MCP 1 (DS): V: _____ I: foil mask out 107.5 mm MCP 1 (DS) (I250X-R)

MCP Voltage on? Yes No | S800 Segment 8 Brho: _____ | Vacuum: _____ e- torr

CAEN Bias? Yes No | Comments: PID good again. Back to data run.

v. 3.3 | Run # 283 | Date: 11/8/14 | Start: 2:28 | Stop: 3:33

Your Name: Rachel | Also on Shift: Andy Ben Bill Cole Corinne Han Jack Jenny Jon

Built data? Yes No | Juan Justin Kyle Mingbo Rachel Sean Suwat Zibi

Run Type: Data | Singles: (HiRA S800 MCP) | Calib: (HiRA S800 MCP) CRDC Junk

S800 Trigger Box: (1+) S800 Coin. Ext.1 (pulser _____) Ext. 2 (MCP DS _____) Sec.: EB+EF

HiRA Trigger: EF&EB EF Csl | Beam: 74Kr 74Kr degraded proton

Target: Viewer CH2 100um CH2 50um out

Mask Au Alpha Empty

Drive Positions: 83 mm Target (I251Y-R)

MCP MCP 0 (US): V: _____ I: foil mask out 70.5 mm MCP 0 (US) (I250Y-R)

MCP 1 (DS): V: _____ I: foil mask out 107.5 mm MCP 1 (DS) (I250X-R)

MCP Voltage on? Yes No | S800 Segment 8 Brho: 0.819 | Vacuum: 4.3 e- @ torr

CAEN Bias? Yes No | Comments: Data run

Scalers (rates)

2:45 AM, Run 283

| XFP.Scint | E1 up | E1 down | Live.triggers | S800.trigger |
|-------------------------|-----------------|-----------------|---|---------------------------------|
| 350k | 4500 | 4500 | 110 | 0 |
| Csl OR of ORs | EB Or (MB1+MB2) | EF Or (MB1+MB2) | HiRA_live_trigger | |
| 320 | ~850 | ~1000 | Ce 00 | |
| Print SpecTd? | | | <input type="checkbox"/> Yes | <input type="checkbox"/> No |
| Check Leakage Currents? | | | <input checked="" type="checkbox"/> OK | <input type="checkbox"/> Not OK |
| Barney Print Out? | | | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No |

| | | | |
|--|--|-----------------------------|-------------------|
| v. 3.3 Run # <u>284</u> | Date: <u>11/8/14</u> | Start: <u>3:33</u> | Stop: <u>4:36</u> |
| Your Name: <u>Rachel</u> | Also on Shift: <input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Bill <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Han <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon | | |
| Built data? <input type="checkbox"/> Yes <input type="checkbox"/> No | <input checked="" type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Kyle <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Zibi <input type="checkbox"/> _____ | | |
| Run Type: <input checked="" type="checkbox"/> Data | Singles: (<input type="checkbox"/> HIRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) Calib: (<input type="checkbox"/> HIRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) <input type="checkbox"/> CRDC <input type="checkbox"/> Junk | | |
| S800 Trigger Box: (1+) <input type="checkbox"/> S800 <input checked="" type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____) <input checked="" type="checkbox"/> Ext. 2 (<input checked="" type="checkbox"/> MCP DS <input type="checkbox"/> _____) <input checked="" type="checkbox"/> Sec.: <u>EB+EF</u> | | | |
| HiRA Trigger: <input checked="" type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl | Beam: <input checked="" type="checkbox"/> 74Kr <input type="checkbox"/> 74Kr degraded <input type="checkbox"/> proton <input type="checkbox"/> _____ | | |
| Target: <input type="checkbox"/> Viewer <input checked="" type="checkbox"/> CH2 100um <input type="checkbox"/> CH2 50um <input type="checkbox"/> out <input type="checkbox"/> Mask <input type="checkbox"/> Au <input type="checkbox"/> Alpha <input type="checkbox"/> Empty | Drive Positions: _____ mm Target (I251Y-R) _____ mm MCP 0 (US) (I250Y-R) _____ mm MCP 1 (DS) (I250X-R) | | |
| MCP MCP 0 (US): V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | |
| MCP 1 (DS): V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | |
| MCP Voltage on? <input type="checkbox"/> Yes <input type="checkbox"/> No | S800 Segment 8 Brho: <u>0.819</u> | Vacuum: <u>4.3 e-6</u> torr | |
| CAEN Bias? <input type="checkbox"/> Yes <input type="checkbox"/> No | Comments: <u>Beam slightly decreased (probably due to foil wear)</u> | | |

| | | | |
|--|---|-----------------------|-------------------|
| v. 3.3 Run# <u>285</u> | Date: <u>11/8/14</u> | Start: <u>4:37</u> | Stop: <u>4:40</u> |
| Your Name: <u>Juan</u> | Also on Shift: <input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Bill <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Han <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon | | |
| Built data? <input type="checkbox"/> Yes <input type="checkbox"/> No | <input checked="" type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Kyle <input type="checkbox"/> Mingbo <input checked="" type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Zibi <input type="checkbox"/> _____ | | |
| Run Type: <input type="checkbox"/> Data | Singles: (<input type="checkbox"/> HIRA <input checked="" type="checkbox"/> S800 <input type="checkbox"/> MCP) Calib: (<input type="checkbox"/> HIRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) <input type="checkbox"/> CRDC <input type="checkbox"/> Junk | | |
| S800 Trigger Box: (1+) <input checked="" type="checkbox"/> S800 <input type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____) <input type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____) <input type="checkbox"/> Sec.: _____ | | | |
| HiRA Trigger: <input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl | Beam: <input checked="" type="checkbox"/> 74Kr <input type="checkbox"/> 74Kr degraded <input type="checkbox"/> proton <input type="checkbox"/> _____ | | |
| Target: <input type="checkbox"/> Viewer <input checked="" type="checkbox"/> CH2 100um <input type="checkbox"/> CH2 50um <input type="checkbox"/> out <input type="checkbox"/> Mask <input type="checkbox"/> Au <input type="checkbox"/> Alpha <input type="checkbox"/> Empty | Drive Positions: _____ mm Target (I251Y-R) _____ mm MCP 0 (US) (I250Y-R) _____ mm MCP 1 (DS) (I250X-R) | | |
| MCP MCP 0 (US): V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | |
| MCP 1 (DS): V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | |
| MCP Voltage on? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | S800 Segment 8 Brho: _____ | Vacuum: _____ e- torr | |
| CAEN Bias? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Comments: <u>S800 singles, beam ID codes smeared (dirtied) (XFP and OBS efficiencies look good)</u> | | |

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|--|---|-----------------------------|-------------------|
| v. 3.3 Run # <u>286</u> | Date: <u>11/8/14</u> | Start: <u>4:42</u> | Stop: <u>5:40</u> |
| Your Name: <u>Rachel</u> | Also on Shift: <input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Bill <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Han <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon | | |
| Built data? <input type="checkbox"/> Yes <input type="checkbox"/> No | <input checked="" type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Kyle <input type="checkbox"/> Mingbo <input checked="" type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Zibi <input type="checkbox"/> _____ | | |
| Run Type: <input checked="" type="checkbox"/> Data | Singles: (<input type="checkbox"/> HIRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) Calib: (<input type="checkbox"/> HIRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) <input type="checkbox"/> CRDC <input type="checkbox"/> Junk | | |
| S800 Trigger Box: (1+) <input checked="" type="checkbox"/> S800 <input checked="" type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____) <input checked="" type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____) <input checked="" type="checkbox"/> Sec.: <u>EB+EF</u> | | | |
| HiRA Trigger: <input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl | Beam: <input type="checkbox"/> 74Kr <input type="checkbox"/> 74Kr degraded <input type="checkbox"/> proton <input type="checkbox"/> _____ | | |
| Target: <input type="checkbox"/> Viewer <input checked="" type="checkbox"/> CH2 100um <input type="checkbox"/> CH2 50um <input type="checkbox"/> out <input type="checkbox"/> Mask <input type="checkbox"/> Au <input type="checkbox"/> Alpha <input type="checkbox"/> Empty | Drive Positions: _____ mm Target (I251Y-R) _____ mm MCP 0 (US) (I250Y-R) _____ mm MCP 1 (DS) (I250X-R) | | |
| MCP MCP 0 (US): V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | |
| MCP 1 (DS): V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | |
| MCP Voltage on? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | S800 Segment 8 Brho: _____ | Vacuum: <u>4.3 e-6</u> torr | |
| CAEN Bias? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Comments: _____ | | |

| | | | | | | | |
|-------------------|--|---|---------|---|------|---|------|
| v. 3.3 Run # | 287 | Date: | 11/8/14 | Start: | 5:41 | Stop: | 6:05 |
| Your Name: | Rachel | Also on Shift: <input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Bill <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Han <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon | | | | | |
| Built data? | <input type="checkbox"/> Yes <input type="checkbox"/> No | <input checked="" type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Kyle <input type="checkbox"/> Mingbo <input checked="" type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Zibi <input type="checkbox"/> | | | | | |
| Run Type: | <input checked="" type="checkbox"/> Data | Singles: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | | Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | | <input type="checkbox"/> CRDC <input type="checkbox"/> Junk | |
| S800 Trigger Box: | (1+) <input type="checkbox"/> S800 <input checked="" type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/>) | <input checked="" type="checkbox"/> Ext. 2 (<input checked="" type="checkbox"/> MCP DS <input type="checkbox"/>) | | <input checked="" type="checkbox"/> Sec.: | | | |
| HiRA Trigger: | <input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl | Beam: <input type="checkbox"/> 74Kr <input type="checkbox"/> 74Kr degraded <input type="checkbox"/> proton <input type="checkbox"/> | | | | | |
| Target: | <input type="checkbox"/> Viewer <input checked="" type="checkbox"/> CH2 100um <input type="checkbox"/> CH2 50um <input type="checkbox"/> out | <input type="checkbox"/> Mask <input type="checkbox"/> Au <input type="checkbox"/> Alpha <input type="checkbox"/> Empty | | Drive Positions: | | | |
| MCP MCP 0 (US): | V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | _____ mm | | Target | | (I251Y-R) | |
| MCP 1 (DS): | V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | _____ mm | | MCP 0 (US) | | (I250Y-R) | |
| MCP Voltage on? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | S800 Segment 8 Brho: | | Vacuum: | | 4.3 e-6 torr | |
| CAEN Bias? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Comments: Run stopped for foil change (EI was about 3000) | | | | | |

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|-------------------|---|---|---------|--|------|---|------|
| v. 3.3 Run # | 288 | Date: | 11/8/14 | Start: | 6:09 | Stop: | 6:14 |
| Your Name: | Juan | Also on Shift: <input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Bill <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Han <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon | | | | | |
| Built data? | <input type="checkbox"/> Yes <input type="checkbox"/> No | <input checked="" type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Kyle <input type="checkbox"/> Mingbo <input checked="" type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Zibi <input type="checkbox"/> | | | | | |
| Run Type: | <input type="checkbox"/> Data | Singles: (<input checked="" type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | | Calib: (<input checked="" type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | | <input type="checkbox"/> CRDC <input type="checkbox"/> Junk | |
| S800 Trigger Box: | (1+) <input type="checkbox"/> S800 <input type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/>) | <input type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/>) | | <input checked="" type="checkbox"/> Sec.: | | x10 | |
| HiRA Trigger: | <input checked="" type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl | Beam: <input type="checkbox"/> 74Kr <input type="checkbox"/> 74Kr degraded <input type="checkbox"/> proton <input type="checkbox"/> | | | | | |
| Target: | <input type="checkbox"/> Viewer <input checked="" type="checkbox"/> CH2 100um <input type="checkbox"/> CH2 50um <input type="checkbox"/> out | <input type="checkbox"/> Mask <input type="checkbox"/> Au <input checked="" type="checkbox"/> Alpha <input type="checkbox"/> Empty | | Drive Positions: | | | |
| MCP MCP 0 (US): | V: _____ I: <input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | 200 mm | | Target | | (I251Y-R) | |
| MCP 1 (DS): | V: _____ I: <input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | _____ mm | | MCP 0 (US) | | (I250Y-R) | |
| MCP Voltage on? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | S800 Segment 8 Brho: | | Vacuum: | | e- torr | |
| CAEN Bias? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Comments: Alpha calibration... oops, left DS x10 on | | | | | |

| | | | | | | | |
|-------------------|---|---|---------|--|------|---|------|
| v. 3.3 Run # | 289 | Date: | 11/8/14 | Start: | 6:16 | Stop: | 7:08 |
| Your Name: | Rachel | Also on Shift: <input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Bill <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Han <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon | | | | | |
| Built data? | <input type="checkbox"/> Yes <input type="checkbox"/> No | <input checked="" type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Kyle <input type="checkbox"/> Mingbo <input checked="" type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Zibi <input type="checkbox"/> | | | | | |
| Run Type: | <input type="checkbox"/> Data | Singles: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | | Calib: (<input checked="" type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | | <input type="checkbox"/> CRDC <input type="checkbox"/> Junk | |
| S800 Trigger Box: | (1+) <input type="checkbox"/> S800 <input type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/>) | <input type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/>) | | <input checked="" type="checkbox"/> Sec.: | | DS 1 | |
| HiRA Trigger: | <input checked="" type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl | Beam: <input type="checkbox"/> 74Kr <input type="checkbox"/> 74Kr degraded <input type="checkbox"/> proton <input type="checkbox"/> | | | | | |
| Target: | <input type="checkbox"/> Viewer <input type="checkbox"/> CH2 100um <input type="checkbox"/> CH2 50um <input type="checkbox"/> out | <input type="checkbox"/> Mask <input type="checkbox"/> Au <input checked="" type="checkbox"/> Alpha <input type="checkbox"/> Empty | | Drive Positions: | | | |
| MCP MCP 0 (US): | V: _____ I: <input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | 200 mm | | Target | | (I251Y-R) | |
| MCP 1 (DS): | V: _____ I: <input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | _____ mm | | MCP 0 (US) | | (I250Y-R) | |
| MCP Voltage on? | <input type="checkbox"/> Yes <input type="checkbox"/> No | S800 Segment 8 Brho: | | Vacuum: | | e- torr | |
| CAEN Bias? | <input type="checkbox"/> Yes <input type="checkbox"/> No | Comments: Alpha Calib: Reali. | | | | | |

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|-------------------|---|---|---|--|--------|--|------|---|
| v. 3.3 Run # | 290 | Date: | 11/8/14 | Start: | 7:12 | Stop: | 8:10 | |
| Your Name: | | Also on Shift: | <input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Bill <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Han <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon <input type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Kyle <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Zibi <input type="checkbox"/> _____ | | | | | |
| Built data? | <input type="checkbox"/> Yes <input type="checkbox"/> No | | | | | | | |
| Run Type: | <input checked="" type="checkbox"/> Data | Singles: | <input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP | | Calib: | <input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP <input type="checkbox"/> CRDC <input type="checkbox"/> Junk | | |
| S800 Trigger Box: | (1+) <input type="checkbox"/> S800 <input checked="" type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____) <input checked="" type="checkbox"/> Ext. 2 (<input checked="" type="checkbox"/> MCP DS <u>20</u> <input type="checkbox"/> _____) <input type="checkbox"/> Sec.: <u>x10</u> | | | | | | | |
| HiRA Trigger: | <input checked="" type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl | | Beam: | | | | | <input type="checkbox"/> 74Kr <input type="checkbox"/> 74Kr degraded <input type="checkbox"/> proton <input type="checkbox"/> _____ |
| Target: | <input type="checkbox"/> Viewer <input checked="" type="checkbox"/> CH2 100um <input type="checkbox"/> CH2 50um <input type="checkbox"/> out <input type="checkbox"/> Mask <input type="checkbox"/> Au <input type="checkbox"/> Alpha <input type="checkbox"/> Empty | Drive Positions: | | <u>83</u> mm Target (I251Y-R) 100 mm <u>76.5</u> MCP 0 (US) (I250Y-R) <u>67.5</u> mm MCP 1 (DS) (I250X-R) | | | | |
| MCP MCP 0 (US): | V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | | | | | |
| MCP 1 (DS): | V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | | | | | |
| MCP Voltage on? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | S800 Segment 8 Brho: | Vacuum: <u>4.4 e-6</u> torr | | | | | |
| CAEN Bias? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Comments: Back to data taking after foil change. Jay says we're running at 1 μ A. EI rate is ~4000. Cannot run more without a more full lineup. | | | | | | |

| | | | | | | | | |
|-------------------|--|--|---|---|--------|--|------|--|
| v. 3.3 Run # | 291 | Date: | 11/8/14 | Start: | 8:11 | Stop: | 8:13 | |
| Your Name: | Rachel | Also on Shift: | <input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Bill <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Han <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon <input checked="" type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Kyle <input type="checkbox"/> Mingbo <input checked="" type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Zibi <input type="checkbox"/> _____ | | | | | |
| Built data? | <input type="checkbox"/> Yes <input type="checkbox"/> No | | | | | | | |
| Run Type: | <input type="checkbox"/> Data | Singles: | <input type="checkbox"/> HiRA <input checked="" type="checkbox"/> S800 <input type="checkbox"/> MCP | | Calib: | <input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP <input type="checkbox"/> CRDC <input type="checkbox"/> Junk | | |
| S800 Trigger Box: | (1+) <input checked="" type="checkbox"/> S800 <input type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____) <input type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____) <input type="checkbox"/> Sec.: _____ | | | | | | | |
| HiRA Trigger: | <input checked="" type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl | | Beam: | | | | | <input checked="" type="checkbox"/> 74Kr <input type="checkbox"/> 74Kr degraded <input type="checkbox"/> proton <input type="checkbox"/> _____ |
| Target: | <input type="checkbox"/> Viewer <input checked="" type="checkbox"/> CH2 100um <input type="checkbox"/> CH2 50um <input type="checkbox"/> out <input type="checkbox"/> Mask <input type="checkbox"/> Au <input type="checkbox"/> Alpha <input type="checkbox"/> Empty | Drive Positions: | | _____ mm Target (I251Y-R) _____ mm MCP 0 (US) (I250Y-R) _____ mm MCP 1 (DS) (I250X-R) | | | | |
| MCP MCP 0 (US): | V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | | | | | |
| MCP 1 (DS): | V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | | | | | |
| MCP Voltage on? | <input type="checkbox"/> Yes <input type="checkbox"/> No | S800 Segment 8 Brho: | Vacuum: _____ e- torr | | | | | |
| CAEN Bias? | <input type="checkbox"/> Yes <input type="checkbox"/> No | Comments: S800 singles, beam ID looks smeared/drifted (XFP, OBS structures look good) | | | | | | |

| | | | | | | | | |
|-------------------|--|--------------------------------|---|---|--------|---|------|---|
| v. 3.3 Run # | 292 | Date: | 11/8/14 | Start: | 8:14 | Stop: | 8:21 | |
| Your Name: | Rachel | Also on Shift: | <input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Bill <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Han <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon <input checked="" type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Kyle <input type="checkbox"/> Mingbo <input checked="" type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Zibi <input type="checkbox"/> _____ | | | | | |
| Built data? | <input type="checkbox"/> Yes <input type="checkbox"/> No | | | | | | | |
| Run Type: | <input type="checkbox"/> Data | Singles: | <input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP | | Calib: | <input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP <input checked="" type="checkbox"/> CRDC <input type="checkbox"/> Junk | | |
| S800 Trigger Box: | (1+) <input checked="" type="checkbox"/> S800 <input type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____) <input type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____) <input type="checkbox"/> Sec.: _____ | | | | | | | |
| HiRA Trigger: | <input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl | | Beam: | | | | | <input type="checkbox"/> 74Kr <input type="checkbox"/> 74Kr degraded <input type="checkbox"/> proton <input type="checkbox"/> _____ |
| Target: | <input type="checkbox"/> Viewer <input checked="" type="checkbox"/> CH2 100um <input type="checkbox"/> CH2 50um <input type="checkbox"/> out <input type="checkbox"/> Mask <input type="checkbox"/> Au <input type="checkbox"/> Alpha <input type="checkbox"/> Empty | Drive Positions: | | _____ mm Target (I251Y-R) _____ mm MCP 0 (US) (I250Y-R) _____ mm MCP 1 (DS) (I250X-R) | | | | |
| MCP MCP 0 (US): | V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | | | | | |
| MCP 1 (DS): | V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | | | | | |
| MCP Voltage on? | <input type="checkbox"/> Yes <input type="checkbox"/> No | S800 Segment 8 Brho: | Vacuum: _____ e- torr | | | | | |
| CAEN Bias? | <input type="checkbox"/> Yes <input type="checkbox"/> No | Comments: CRDC + mask upstream | | | | | | |

v. 3.3 | Run # 293 | Date: 11/8/14 | Start: 8:22 | Stop: 8:26

Your Name: Rachel | Also on Shift: Andy Ben Bill Cole Corinne Han Jack Jenny Jon
 Juan Justin Kyle Mingbo Rachel Sean Suwat Zibi _____

Built data? Yes No

Run Type: Data | Singles: (HiRA S800 MCP) | Calib: (HiRA S800 MCP) CRDC Junk

S800 Trigger Box: (1+) S800 Coin. Ext.1 (pulser _____) Ext. 2 (MCP DS _____) Sec.: _____

HiRA Trigger: EF&EB EF Csl | Beam: 74Kr 74Kr degraded proton _____

Target: Viewer CH2 100um CH2 50um out
 Mask Au Alpha Empty

MCP MCP 0 (US): V: _____ I: foil mask out
MCP 1 (DS): V: _____ I: foil mask out

Drive Positions: _____ mm Target (I251Y-R)
_____ mm MCP 0 (US) (I250Y-R)
_____ mm MCP 1 (DS) (I250X-R)

MCP Voltage on? Yes No | S800 Segment 8 Brho: _____ | Vacuum: _____ e- torr

CAEN Bias? Yes No | Comments: CRDC 2 mask

v. 3.3 | Run # 294 | Date: 11/8/14 | Start: 8:27 | Stop: _____

Your Name: Rachel | Also on Shift: Andy Ben Bill Cole Corinne Han Jack Jenny Jon
 Juan Justin Kyle Mingbo Rachel Sean Suwat Zibi _____

Built data? Yes No

Run Type: Data | Singles: (HiRA S800 MCP) | Calib: (HiRA S800 MCP) CRDC Junk

S800 Trigger Box: (1+) S800 Coin. Ext.1 (pulser _____) Ext. 2 (MCP DS _____) Sec.: EF&EB

HiRA Trigger: EF&EB EF Csl | Beam: 74Kr 74Kr degraded proton _____

Target: Viewer CH2 100um CH2 50um out
 Mask Au Alpha Empty

MCP MCP 0 (US): V: _____ I: foil mask out
MCP 1 (DS): V: _____ I: foil mask out

Drive Positions: 83 mm Target (I251Y-R)
70.5 mm MCP 0 (US) (I250Y-R)
107.5 mm MCP 1 (DS) (I250X-R)

MCP Voltage on? Yes No | S800 Segment 8 Brho: _____ | Vacuum: 4.3 e- torr

CAEN Bias? Yes No | Comments: Back to coincidence data
→ Jon (Control Room) found "magic part" on foil, rates are up.

↑ Beam dropped to 20% during this run had to retune some RF in K500 not known what

Run 294 Scalers (rates) 9:24 AM

| XFP Scint | E1 up | E1 down | Live triggers | S800 trigger |
|-------------------------|-----------------|------------------|--|---------------------------------|
| ~370 K | ~5K | ~5K | ~100 | ~5K |
| Csl OR of ORs | EB Or (MB1+MB2) | EF Or (MB1+MB2) | HiRA live_trigger | |
| ~350 | 500 + 300 = 800 | 550 + 550 = 1100 | 625 | |
| Print SpecTd? | | | <input type="checkbox"/> Yes | <input type="checkbox"/> No |
| Check Leakage Currents? | | | <input checked="" type="checkbox"/> OK | <input type="checkbox"/> Not OK |
| Barney Print Out? | | | <input type="checkbox"/> Yes | <input type="checkbox"/> No |

caused this.

The beam returned to 100% ~ 8:40 ~ 8:50.

Operators need some time to retune buncher ~~rebeam~~ at next available time. Currently buncher is operational but it's not clear how much longer it will stay.

| | | | |
|--|---|-----------------------------|--------------------|
| v. 3.3 Run # <u>295</u> | Date: <u>11/8/14</u> | Start: <u>9:28</u> | Stop: <u>10:25</u> |
| Your Name: <u>Justin</u> | Also on Shift: <input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Bill <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Han <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon | | |
| Built data? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | <input checked="" type="checkbox"/> Juan <input checked="" type="checkbox"/> Justin <input type="checkbox"/> Kyle <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Zibi <input type="checkbox"/> _____ | | |
| Run Type: <input checked="" type="checkbox"/> Data | Singles: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) <input type="checkbox"/> CRDC <input type="checkbox"/> Junk | | |
| S800 Trigger Box: (1+) <input type="checkbox"/> S800 <input checked="" type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____) <input checked="" type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____) <input checked="" type="checkbox"/> Sec.: _____ | | | |
| HiRA Trigger: <input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl | Beam: <input checked="" type="checkbox"/> 74Kr <input type="checkbox"/> 74Kr degraded <input type="checkbox"/> proton <input type="checkbox"/> _____ | | |
| Target: <input type="checkbox"/> Viewer <input checked="" type="checkbox"/> CH2 100um <input type="checkbox"/> CH2 50um <input type="checkbox"/> out | Drive Positions: | | |
| <input type="checkbox"/> Mask <input type="checkbox"/> Au <input type="checkbox"/> Alpha <input type="checkbox"/> Empty | 83 mm Target (I251Y-R) | | |
| MCP MCP 0 (US): V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | 70.5 mm MCP 0 (US) (I250Y-R) | | |
| MCP 1 (DS): V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | 107.5 mm MCP 1 (DS) (I250X-R) | | |
| MCP Voltage on? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | S800 Segment 8 Brho: _____ | Vacuum: <u>4.3 e-6</u> torr | |
| CAEN Bias? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Comments: <u>Dummy Run 2904 Beam temp. dropped to 2000. Beam had since returned soon after in run 294 and is now back to normal</u> | | |

| | | | |
|--|---|-----------------------------|-------------|
| v. 3.3 Run # <u>296</u> | Date: <u>11/8/14</u> | Start: <u>10:35</u> | Stop: _____ |
| Your Name: _____ | Also on Shift: <input type="checkbox"/> Andy <input type="checkbox"/> Ben <input checked="" type="checkbox"/> Bill <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Han <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon | | |
| Built data? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | <input checked="" type="checkbox"/> Juan <input checked="" type="checkbox"/> Justin <input type="checkbox"/> Kyle <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Zibi <input type="checkbox"/> _____ | | |
| Run Type: <input checked="" type="checkbox"/> Data | Singles: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) <input type="checkbox"/> CRDC <input type="checkbox"/> Junk | | |
| S800 Trigger Box: (1+) <input type="checkbox"/> S800 <input checked="" type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____) <input checked="" type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____) <input checked="" type="checkbox"/> Sec.: _____ | | | |
| HiRA Trigger: <input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl | Beam: <input checked="" type="checkbox"/> 74Kr <input type="checkbox"/> 74Kr degraded <input type="checkbox"/> proton <input type="checkbox"/> _____ | | |
| Target: <input type="checkbox"/> Viewer <input checked="" type="checkbox"/> CH2 100um <input type="checkbox"/> CH2 50um <input type="checkbox"/> out | Drive Positions: | | |
| <input type="checkbox"/> Mask <input type="checkbox"/> Au <input type="checkbox"/> Alpha <input type="checkbox"/> Empty | 83 mm Target (I251Y-R) | | |
| MCP MCP 0 (US): V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | 70.5 mm MCP 0 (US) (I250Y-R) | | |
| MCP 1 (DS): V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | 107.5 mm MCP 1 (DS) (I250X-R) | | |
| MCP Voltage on? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | S800 Segment 8 Brho: <u>2.2954</u> | Vacuum: <u>4.3 e-6</u> torr | |
| CAEN Bias? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Comments: <u>Obj. Scint. voltage increased from 1.7kV to 1.88kV. The smaller signals in CFD; where not arrived same time. This is shifted TOF gate</u> | | |

Run 296 Increased Obj. Scint 1.7kV → 1.88kV to get smaller amplitude signals to arrive at the same time. This shifted the TOF gate in XFP vs Obj plot

| | | | |
|--|---|-----------------------------|--------------------|
| v. 3.3 Run # <u>297</u> | Date: <u>11/8/14</u> | Start: <u>11:36</u> | Stop: <u>13:26</u> |
| Your Name: <u>Justin</u> | Also on Shift: <input checked="" type="checkbox"/> Andy <input type="checkbox"/> Ben <input checked="" type="checkbox"/> Bill <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Han <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon | | |
| Built data? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | <input type="checkbox"/> Juan <input checked="" type="checkbox"/> Justin <input type="checkbox"/> Kyle <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Zibi <input type="checkbox"/> _____ | | |
| Run Type: <input checked="" type="checkbox"/> Data | Singles: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) <input type="checkbox"/> CRDC <input type="checkbox"/> Junk | | |
| S800 Trigger Box: (1+) <input type="checkbox"/> S800 <input checked="" type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____) <input checked="" type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____) <input checked="" type="checkbox"/> Sec.: _____ | | | |
| HiRA Trigger: <input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl | Beam: <input checked="" type="checkbox"/> 74Kr <input type="checkbox"/> 74Kr degraded <input type="checkbox"/> proton <input type="checkbox"/> _____ | | |
| Target: <input type="checkbox"/> Viewer <input checked="" type="checkbox"/> CH2 100um <input type="checkbox"/> CH2 50um <input type="checkbox"/> out | Drive Positions: | | |
| <input type="checkbox"/> Mask <input type="checkbox"/> Au <input type="checkbox"/> Alpha <input type="checkbox"/> Empty | 83 mm Target (I251Y-R) | | |
| MCP MCP 0 (US): V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | 70.5 mm MCP 0 (US) (I250Y-R) | | |
| MCP 1 (DS): V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | 107.5 mm MCP 1 (DS) (I250X-R) | | |
| MCP Voltage on? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | S800 Segment 8 Brho: _____ | Vacuum: <u>4.3 e-6</u> torr | |
| CAEN Bias? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Comments: <u>Coincidence Data</u> | | |

| | | | | | | | | | | | | |
|-------------------|---|---|---|--------------------------------|--|--|-------|---|--|--|---|--|
| v. 3.3 Run # | 298 | Date: | 11/8/14 | Start: | 13:27 | Stop: | 14:34 | | | | | |
| Your Name: | Justin | Also on Shift: | <input checked="" type="checkbox"/> Andy <input type="checkbox"/> Ben <input checked="" type="checkbox"/> Bill <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Han <input type="checkbox"/> Jack <input checked="" type="checkbox"/> Jenny <input type="checkbox"/> Jon | | | | | | | | | |
| Built data? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | <input type="checkbox"/> Juan <input checked="" type="checkbox"/> Justin <input checked="" type="checkbox"/> Kyle <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Zibi <input type="checkbox"/> | | | | | | | | | | |
| Run Type: | <input checked="" type="checkbox"/> Data | Singles: | <input type="checkbox"/> HIRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP | | | | | Calib: | <input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP | | <input type="checkbox"/> CRDC <input type="checkbox"/> Junk | |
| S800 Trigger Box: | (1+) <input type="checkbox"/> S800 <input checked="" type="checkbox"/> Coin. | <input type="checkbox"/> Ext.1 | <input type="checkbox"/> pulser <input type="checkbox"/> | | <input checked="" type="checkbox"/> Ext. 2 | <input type="checkbox"/> MCP DS <input type="checkbox"/> | | <input checked="" type="checkbox"/> Sec.: | | | | |
| HiRA Trigger: | <input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl | | Beam: <input checked="" type="checkbox"/> 74Kr <input type="checkbox"/> 74Kr degraded <input type="checkbox"/> proton <input type="checkbox"/> | | | | | | | | | |
| Target: | <input type="checkbox"/> Viewer | <input checked="" type="checkbox"/> CH2 100um | <input type="checkbox"/> CH2 50um | <input type="checkbox"/> out | | | | | | | | |
| | <input type="checkbox"/> Mask | <input type="checkbox"/> Au | <input type="checkbox"/> Alpha | <input type="checkbox"/> Empty | | | | | | | | |
| MCP MCP 0 (US): | V: _____ | I: <input checked="" type="checkbox"/> foil | <input type="checkbox"/> mask | <input type="checkbox"/> out | | | | | | | | |
| MCP 1 (DS): | V: _____ | I: <input checked="" type="checkbox"/> foil | <input type="checkbox"/> mask | <input type="checkbox"/> out | | | | | | | | |
| MCP Voltage on? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | S800 Segment 8 Brho: | Vacuum: | | | | | | | | 4.3 e-6 torr | |
| CAEN Bias? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Comments: | | | | | | | | | | |

| | | | | | | | | | | | | |
|-------------------|---|--|--|--------------------------------|---------------------------------|--|--|--------------------------------|---|--|---|--|
| v. 3.3 Run # | 299 | Date: | 11/9/14 | Start: | 3:06 | Stop: | | | | | | |
| Your Name: | Kyle | Also on Shift: | <input type="checkbox"/> Andy <input type="checkbox"/> Ben <input checked="" type="checkbox"/> Bill <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Han <input type="checkbox"/> Jack <input checked="" type="checkbox"/> Jenny <input type="checkbox"/> Jon | | | | | | | | | |
| Built data? | <input type="checkbox"/> Yes <input type="checkbox"/> No | <input type="checkbox"/> Juan <input checked="" type="checkbox"/> Justin <input type="checkbox"/> Kyle <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Zibi <input type="checkbox"/> | | | | | | | | | | |
| Run Type: | <input type="checkbox"/> Data | Singles: | <input type="checkbox"/> HIRA <input checked="" type="checkbox"/> S800 <input type="checkbox"/> MCP | | | | | Calib: | <input type="checkbox"/> HiRA <input checked="" type="checkbox"/> S800 <input type="checkbox"/> MCP | | <input type="checkbox"/> CRDC <input type="checkbox"/> Junk | |
| S800 Trigger Box: | (1+) <input checked="" type="checkbox"/> S800 <input type="checkbox"/> Coin. | <input type="checkbox"/> Ext.1 | <input type="checkbox"/> pulser <input type="checkbox"/> | | <input type="checkbox"/> Ext. 2 | <input type="checkbox"/> MCP DS <input type="checkbox"/> | | <input type="checkbox"/> Sec.: | | | | |
| HiRA Trigger: | <input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl | | Beam: <input checked="" type="checkbox"/> 74Kr <input type="checkbox"/> 74Kr degraded <input type="checkbox"/> proton <input type="checkbox"/> | | | | | | | | | |
| Target: | <input type="checkbox"/> Viewer | <input checked="" type="checkbox"/> CH2 100um | <input type="checkbox"/> CH2 50um | <input type="checkbox"/> out | | | | | | | | |
| | <input type="checkbox"/> Mask | <input type="checkbox"/> Au | <input type="checkbox"/> Alpha | <input type="checkbox"/> Empty | | | | | | | | |
| MCP MCP 0 (US): | V: _____ | I: <input checked="" type="checkbox"/> foil | <input type="checkbox"/> mask | <input type="checkbox"/> out | | | | | | | | |
| MCP 1 (DS): | V: _____ | I: <input checked="" type="checkbox"/> foil | <input type="checkbox"/> mask | <input type="checkbox"/> out | | | | | | | | |
| MCP Voltage on? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | S800 Segment 8 Brho: | Vacuum: | | | | | | | | e- torr | |
| CAEN Bias? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Comments: Slits on S800 retracted to 6.9 to put unretacted beam in S800, Att 3k | | | | | | | | | | |

| | | | | | | | | | | | | |
|-------------------|---|--|---|--------------------------------|---------------------------------|--|--|--------------------------------|--|--|---|--|
| v. 3.3 Run # | 300 | Date: | 11/8/14 | Start: | 15:21 | Stop: | | | | | | |
| Your Name: | Kyle | Also on Shift: | <input checked="" type="checkbox"/> Andy <input type="checkbox"/> Ben <input checked="" type="checkbox"/> Bill <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Han <input type="checkbox"/> Jack <input checked="" type="checkbox"/> Jenny <input type="checkbox"/> Jon | | | | | | | | | |
| Built data? | <input type="checkbox"/> Yes <input type="checkbox"/> No | <input type="checkbox"/> Juan <input checked="" type="checkbox"/> Justin <input type="checkbox"/> Kyle <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Zibi <input type="checkbox"/> | | | | | | | | | | |
| Run Type: | <input type="checkbox"/> Data | Singles: | <input type="checkbox"/> HiRA <input checked="" type="checkbox"/> S800 <input type="checkbox"/> MCP | | | | | Calib: | <input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP | | <input type="checkbox"/> CRDC <input type="checkbox"/> Junk | |
| S800 Trigger Box: | (1+) <input checked="" type="checkbox"/> S800 <input type="checkbox"/> Coin. | <input type="checkbox"/> Ext.1 | <input type="checkbox"/> pulser <input type="checkbox"/> | | <input type="checkbox"/> Ext. 2 | <input type="checkbox"/> MCP DS <input type="checkbox"/> | | <input type="checkbox"/> Sec.: | | | | |
| HiRA Trigger: | <input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl | | Beam: <input checked="" type="checkbox"/> 74Kr <input type="checkbox"/> 74Kr degraded <input type="checkbox"/> proton <input type="checkbox"/> | | | | | | | | | |
| Target: | <input type="checkbox"/> Viewer | <input checked="" type="checkbox"/> CH2 100um | <input type="checkbox"/> CH2 50um | <input type="checkbox"/> out | | | | | | | | |
| | <input type="checkbox"/> Mask | <input type="checkbox"/> Au | <input type="checkbox"/> Alpha | <input type="checkbox"/> Empty | | | | | | | | |
| MCP MCP 0 (US): | V: _____ | I: <input checked="" type="checkbox"/> foil | <input type="checkbox"/> mask | <input type="checkbox"/> out | | | | | | | | |
| MCP 1 (DS): | V: _____ | I: <input checked="" type="checkbox"/> foil | <input type="checkbox"/> mask | <input type="checkbox"/> out | | | | | | | | |
| MCP Voltage on? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | S800 Segment 8 Brho: | Vacuum: | | | | | | | | e- torr | |
| CAEN Bias? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Comments: Slits returned to normal. | | | | | | | | | | |

| | | | |
|--|--|-----------------------|-------------------------------|
| v. 3.3 Run # <u>301</u> | Date: <u>11/8/14</u> | Start: <u>15:30</u> | Stop: |
| Your Name: | Also on Shift: <input checked="" type="checkbox"/> Andy <input type="checkbox"/> Ben <input checked="" type="checkbox"/> Bill <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Han <input type="checkbox"/> Jack <input checked="" type="checkbox"/> Jenny <input type="checkbox"/> Jon | | |
| Built data? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | <input type="checkbox"/> Juan <input checked="" type="checkbox"/> Justin <input checked="" type="checkbox"/> Kyle <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Zibi <input type="checkbox"/> _____ | | |
| Run Type: <input checked="" type="checkbox"/> Data | Singles: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) <input type="checkbox"/> CRDC <input type="checkbox"/> Junk | | |
| S800 Trigger Box: (1+) <input type="checkbox"/> S800 <input checked="" type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____) <input checked="" type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____) <input checked="" type="checkbox"/> Sec.: _____ | HiRA Trigger: <input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl | | |
| Target: <input type="checkbox"/> Viewer <input checked="" type="checkbox"/> CH2 100um <input type="checkbox"/> CH2 50um <input type="checkbox"/> out | Beam: <input checked="" type="checkbox"/> 74Kr <input type="checkbox"/> 74Kr degraded <input type="checkbox"/> proton <input type="checkbox"/> _____ | | Drive Positions: |
| <input type="checkbox"/> Mask <input type="checkbox"/> Au <input type="checkbox"/> Alpha <input type="checkbox"/> Empty | | | _____ mm Target (I251Y-R) |
| MCP MCP 0 (US): V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | _____ mm MCP 0 (US) (I250Y-R) |
| MCP 1 (DS): V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | _____ mm MCP 1 (DS) (I250X-R) |
| MCP Voltage on? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | S800 Segment 8 Brho: <u>2.2954</u> | Vacuum: _____ e- torr | |
| CAEN Bias? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Comments: <u>Back to come. Data runs</u> | | |

| | | | |
|--|--|-----------------------|-------------------------------|
| v. 3.3 Run # <u>302</u> | Date: <u>11/8/14</u> | Start: <u>16:22</u> | Stop: |
| Your Name: <u>Suwat</u> | Also on Shift: <input checked="" type="checkbox"/> Andy <input type="checkbox"/> Ben <input checked="" type="checkbox"/> Bill <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Han <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input checked="" type="checkbox"/> Jon | | |
| Built data? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | <input type="checkbox"/> Juan <input checked="" type="checkbox"/> Justin <input checked="" type="checkbox"/> Kyle <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input checked="" type="checkbox"/> Suwat <input type="checkbox"/> Zibi <input type="checkbox"/> _____ | | |
| Run Type: <input checked="" type="checkbox"/> Data | Singles: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) <input type="checkbox"/> CRDC <input type="checkbox"/> Junk | | |
| S800 Trigger Box: (1+) <input type="checkbox"/> S800 <input checked="" type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____) <input checked="" type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____) <input checked="" type="checkbox"/> Sec.: _____ | HiRA Trigger: <input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl | | |
| Target: <input type="checkbox"/> Viewer <input checked="" type="checkbox"/> CH2 100um <input type="checkbox"/> CH2 50um <input type="checkbox"/> out | Beam: <input checked="" type="checkbox"/> 74Kr <input type="checkbox"/> 74Kr degraded <input type="checkbox"/> proton <input type="checkbox"/> _____ | | Drive Positions: |
| <input type="checkbox"/> Mask <input type="checkbox"/> Au <input type="checkbox"/> Alpha <input type="checkbox"/> Empty | | | <u>83</u> mm Target (I251Y-R) |
| MCP MCP 0 (US): V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | _____ mm MCP 0 (US) (I250Y-R) |
| MCP 1 (DS): V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | _____ mm MCP 1 (DS) (I250X-R) |
| MCP Voltage on? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | S800 Segment 8 Brho: | Vacuum: _____ e- torr | |
| CAEN Bias? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Comments: | | |

| | | | | | | | |
|-------------------|--|--|---------|--|-------|-------------------------------|-------------------------------|
| v. 3.3 Run # | 303 | Date: | 11/9/14 | Start: | 18:04 | Stop: | |
| Your Name: | Suwat | Also on Shift: <input checked="" type="checkbox"/> Andy <input type="checkbox"/> Ben <input checked="" type="checkbox"/> Bill <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Han <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input checked="" type="checkbox"/> Jon | | | | | |
| Built data? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | <input type="checkbox"/> Juan <input type="checkbox"/> Justin <input checked="" type="checkbox"/> Kyle <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input checked="" type="checkbox"/> Suwat <input type="checkbox"/> Zibi <input type="checkbox"/> | | | | | |
| Run Type: | <input checked="" type="checkbox"/> Data | Singles: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | | Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | | <input type="checkbox"/> CRDC | <input type="checkbox"/> Junk |
| S800 Trigger Box: | (1+) <input type="checkbox"/> S800 <input checked="" type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/>) | <input checked="" type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/>) | | <input checked="" type="checkbox"/> Sec.: | | | |
| HiRA Trigger: | <input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl | Beam: | | <input checked="" type="checkbox"/> 74Kr <input type="checkbox"/> 74Kr degraded <input type="checkbox"/> proton <input type="checkbox"/> | | | |
| Target: | <input type="checkbox"/> Viewer <input checked="" type="checkbox"/> CH2 100um <input type="checkbox"/> CH2 50um <input type="checkbox"/> out | Drive Positions: | | 83 mm | | Target (I251Y-R) | |
| | <input type="checkbox"/> Mask <input type="checkbox"/> Au <input type="checkbox"/> Alpha <input type="checkbox"/> Empty | | | | | MCP 0 (US) (I250Y-R) | |
| MCP MCP 0 (US): | V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | | | MCP 1 (DS) (I250X-R) | |
| MCP 1 (DS): | V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | | | | |
| MCP Voltage on? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | S800 Segment 8 Brho: | | Vacuum: | | e- torr | |
| CAEN Bias? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Comments: | | | | | |

| | | | | | | | |
|-------------------|--|---|---------|--|-------|-------------------------------|-------------------------------|
| v. 3.3 Run # | 304 | Date: | 11/9/14 | Start: | 19:56 | Stop: | |
| Your Name: | Suwat | Also on Shift: <input checked="" type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Bill <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Han <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input checked="" type="checkbox"/> Jon | | | | | |
| Built data? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | <input type="checkbox"/> Juan <input type="checkbox"/> Justin <input checked="" type="checkbox"/> Kyle <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input checked="" type="checkbox"/> Suwat <input type="checkbox"/> Zibi <input type="checkbox"/> | | | | | |
| Run Type: | <input checked="" type="checkbox"/> Data | Singles: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | | Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | | <input type="checkbox"/> CRDC | <input type="checkbox"/> Junk |
| S800 Trigger Box: | (1+) <input type="checkbox"/> S800 <input checked="" type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/>) | <input checked="" type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/>) | | <input checked="" type="checkbox"/> Sec.: | | | |
| HiRA Trigger: | <input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl | Beam: | | <input checked="" type="checkbox"/> 74Kr <input type="checkbox"/> 74Kr degraded <input type="checkbox"/> proton <input type="checkbox"/> | | | |
| Target: | <input type="checkbox"/> Viewer <input checked="" type="checkbox"/> CH2 100um <input type="checkbox"/> CH2 50um <input type="checkbox"/> out | Drive Positions: | | 83 mm | | Target (I251Y-R) | |
| | <input type="checkbox"/> Mask <input type="checkbox"/> Au <input type="checkbox"/> Alpha <input type="checkbox"/> Empty | | | | | MCP 0 (US) (I250Y-R) | |
| MCP MCP 0 (US): | V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | | | MCP 1 (DS) (I250X-R) | |
| MCP 1 (DS): | V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | | | | |
| MCP Voltage on? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | S800 Segment 8 Brho: | | Vacuum: | | e- torr | |
| CAEN Bias? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Comments: | | | | | |
| | | | | | | | 1 min run |

20:00
11/8/14

increased object scintillator to 2KV

| | | | | | | | |
|-------------------|--|--|---------|---|-----------------------|-------|-------|
| v. 3.3 Run # | 305 | Date: | 11/8/14 | Start: | 20:00 | Stop: | 21:02 |
| Your Name: | Jon | Also on Shift: <input checked="" type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Bill <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Han <input type="checkbox"/> Jack <input checked="" type="checkbox"/> Jenny <input checked="" type="checkbox"/> Jon | | | | | |
| Built data? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | <input type="checkbox"/> Juan <input type="checkbox"/> Justin <input checked="" type="checkbox"/> Kyle <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input checked="" type="checkbox"/> Suwat <input type="checkbox"/> Zibi <input type="checkbox"/> _____ | | | | | |
| Run Type: | <input checked="" type="checkbox"/> Data | Singles: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | | Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) <input type="checkbox"/> CRDC <input type="checkbox"/> Junk | | | |
| S800 Trigger Box: | (1+) <input type="checkbox"/> S800 <input checked="" type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____) | <input checked="" type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____) | | <input checked="" type="checkbox"/> Sec.: _____ | | | |
| HiRA Trigger: | <input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl | Beam: <input checked="" type="checkbox"/> 74Kr <input type="checkbox"/> 74Kr degraded <input type="checkbox"/> proton <input type="checkbox"/> _____ | | | | | |
| Target: | <input type="checkbox"/> Viewer <input checked="" type="checkbox"/> CH2 100um <input type="checkbox"/> CH2 50um <input type="checkbox"/> out | <input type="checkbox"/> Mask <input type="checkbox"/> Au <input type="checkbox"/> Alpha <input type="checkbox"/> Empty | | Drive Positions: 83 mm Target (I251Y-R) | | | |
| MCP MCP 0 (US): | V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | _____ mm MCP 0 (US) (I250Y-R) | | | |
| MCP 1 (DS): | V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | _____ mm MCP 1 (DS) (I250X-R) | | | |
| MCP Voltage on? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | S800 Segment 8 Brho: | | | Vacuum: _____ e- torr | | |
| CAEN Bias? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Comments: increased object scintillator to 2kv | | | | | |

| | | | | | | | |
|-------------------|---|---|---------|---|-----------------------|-------|-------|
| v. 3.3 Run # | 306 | Date: | 11/8/14 | Start: | 21:06 | Stop: | 21:20 |
| Your Name: | Suwat | Also on Shift: <input checked="" type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Bill <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Han <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input checked="" type="checkbox"/> Jon | | | | | |
| Built data? | <input type="checkbox"/> Yes <input type="checkbox"/> No | <input type="checkbox"/> Juan <input type="checkbox"/> Justin <input checked="" type="checkbox"/> Kyle <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Zibi <input type="checkbox"/> _____ | | | | | |
| Run Type: | <input checked="" type="checkbox"/> Data | Singles: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | | Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) <input type="checkbox"/> CRDC <input type="checkbox"/> Junk | | | |
| S800 Trigger Box: | (1+) <input type="checkbox"/> S800 <input type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____) | <input type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____) | | <input type="checkbox"/> Sec.: _____ | | | |
| HiRA Trigger: | <input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl | Beam: <input type="checkbox"/> 74Kr <input type="checkbox"/> 74Kr degraded <input type="checkbox"/> proton <input type="checkbox"/> _____ | | | | | |
| Target: | <input type="checkbox"/> Viewer <input type="checkbox"/> CH2 100um <input type="checkbox"/> CH2 50um <input type="checkbox"/> out | <input type="checkbox"/> Mask <input type="checkbox"/> Au <input checked="" type="checkbox"/> Alpha <input type="checkbox"/> Empty | | Drive Positions: 236 mm Target (I251Y-R) | | | |
| MCP MCP 0 (US): | V: _____ I: <input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | _____ mm MCP 0 (US) (I250Y-R) | | | |
| MCP 1 (DS): | V: _____ I: <input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | _____ mm MCP 1 (DS) (I250X-R) | | | |
| MCP Voltage on? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | S800 Segment 8 Brho: | | | Vacuum: _____ e- torr | | |
| CAEN Bias? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Comments: Alpha run | | | | | |

Elaine moved object scintillator to new spot

| | | | | | | | |
|-------------------|--|---|---------|---|-------|-------------------------------|-------------------------------|
| v. 3.3 Run # | 307 | Date: | 11/8/14 | Start: | 21:25 | Stop: | |
| Your Name: | Jon | Also on Shift: <input checked="" type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Bill <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Han <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input checked="" type="checkbox"/> Jon | | | | | |
| Built data? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | <input type="checkbox"/> Juan <input type="checkbox"/> Justin <input checked="" type="checkbox"/> Kyle <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input checked="" type="checkbox"/> Suwat <input type="checkbox"/> Zibi <input type="checkbox"/> | | | | | |
| Run Type: | <input checked="" type="checkbox"/> Data | Singles: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | | Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | | <input type="checkbox"/> CRDC | <input type="checkbox"/> Junk |
| S800 Trigger Box: | (1+) <input type="checkbox"/> S800 <input checked="" type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/>) | <input checked="" type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/>) | | <input checked="" type="checkbox"/> Sec.: (DS1) | | | |
| HiRA Trigger: | <input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl | Beam: | | <input checked="" type="checkbox"/> 74Kr <input type="checkbox"/> 74Kr degraded <input type="checkbox"/> proton | | | |
| Target: | <input type="checkbox"/> Viewer <input checked="" type="checkbox"/> CH2 100um <input type="checkbox"/> CH2 50um <input type="checkbox"/> out | Drive Positions: | | 83 mm | | Target (I251Y-R) | |
| | <input type="checkbox"/> Mask <input type="checkbox"/> Au <input type="checkbox"/> Alpha <input type="checkbox"/> Empty | | | | | MCP 0 (US) (I250Y-R) | |
| MCP MCP 0 (US): | V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | | | MCP 1 (DS) (I250X-R) | |
| MCP 1 (DS): | V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | | | | |
| MCP Voltage on? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | S800 Segment 8 Brho: | | Vacuum: | | e- torr | |
| CAEN Bias? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Comments: | | | | | |

Runs 307 - 311

Secondary trigger (EF+EB) was DS1

→ Noticed @ 12:30 on 11/9/14

| | | | | | | | |
|-------------------|--|---|---------|---|-------|-------------------------------|-------------------------------|
| v. 3.3 Run # | 308 | Date: | 11/8/14 | Start: | 22:09 | Stop: | |
| Your Name: | Suwat | Also on Shift: <input checked="" type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Bill <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Han <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input checked="" type="checkbox"/> Jon | | | | | |
| Built data? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | <input type="checkbox"/> Juan <input type="checkbox"/> Justin <input checked="" type="checkbox"/> Kyle <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input checked="" type="checkbox"/> Suwat <input type="checkbox"/> Zibi <input type="checkbox"/> | | | | | |
| Run Type: | <input checked="" type="checkbox"/> Data | Singles: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | | Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | | <input type="checkbox"/> CRDC | <input type="checkbox"/> Junk |
| S800 Trigger Box: | (1+) <input type="checkbox"/> S800 <input checked="" type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/>) | <input checked="" type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/>) | | <input checked="" type="checkbox"/> Sec.: (DS1) | | | |
| HiRA Trigger: | <input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl | Beam: | | <input checked="" type="checkbox"/> 74Kr <input type="checkbox"/> 74Kr degraded <input type="checkbox"/> proton | | | |
| Target: | <input type="checkbox"/> Viewer <input checked="" type="checkbox"/> CH2 100um <input type="checkbox"/> CH2 50um <input type="checkbox"/> out | Drive Positions: | | 83 mm | | Target (I251Y-R) | |
| | <input type="checkbox"/> Mask <input type="checkbox"/> Au <input type="checkbox"/> Alpha <input type="checkbox"/> Empty | | | | | MCP 0 (US) (I250Y-R) | |
| MCP MCP 0 (US): | V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | | | MCP 1 (DS) (I250X-R) | |
| MCP 1 (DS): | V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | | | | |
| MCP Voltage on? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | S800 Segment 8 Brho: | | Vacuum: | | e- torr | |
| CAEN Bias? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Comments: | | | | | |

| | | | | | | | |
|-------------------|--|---|---------|---|-------|-------------------------------|-------------------------------|
| v. 3.3 Run # | 309 | Date: | 11/8/14 | Start: | 22:49 | Stop: | |
| Your Name: | Suwat | Also on Shift: <input checked="" type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Bill <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Han <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input checked="" type="checkbox"/> Jon | | | | | |
| Built data? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | <input type="checkbox"/> Juan <input type="checkbox"/> Justin <input checked="" type="checkbox"/> Kyle <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input checked="" type="checkbox"/> Suwat <input type="checkbox"/> Zibi <input type="checkbox"/> | | | | | |
| Run Type: | <input checked="" type="checkbox"/> Data | Singles: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | | Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | | <input type="checkbox"/> CRDC | <input type="checkbox"/> Junk |
| S800 Trigger Box: | (1+) <input type="checkbox"/> S800 <input checked="" type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/>) | <input checked="" type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/>) | | <input checked="" type="checkbox"/> Sec.: (DS1) | | | |
| HiRA Trigger: | <input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl | Beam: <input checked="" type="checkbox"/> 74Kr <input type="checkbox"/> 74Kr degraded <input type="checkbox"/> proton <input type="checkbox"/> | | | | | |
| Target: | <input type="checkbox"/> Viewer <input checked="" type="checkbox"/> CH2 100um <input type="checkbox"/> CH2 50um <input type="checkbox"/> out | <input type="checkbox"/> Mask <input type="checkbox"/> Au <input type="checkbox"/> Alpha <input type="checkbox"/> Empty | | Drive Positions: | | 83 mm Target (I251Y-R) | |
| MCP MCP 0 (US): | V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | | | mm MCP 0 (US) (I250Y-R) | |
| MCP 1 (DS): | V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | | | mm MCP 1 (DS) (I250X-R) | |
| MCP Voltage on? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | S800 Segment 8 Brho: | | Vacuum: | | e- torr | |
| CAEN Bias? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Comments: | | | | | |

2030 1.5 uA

| | | | | | | | |
|-------------------|--|--|---------|---|-------|-------------------------------|-------------------------------|
| v. 3.3 Run # | 310 | Date: | 11/8/14 | Start: | 23:30 | Stop: | 00:10 |
| Your Name: | Suwat | Also on Shift: <input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Bill <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Han <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input checked="" type="checkbox"/> Jon | | | | | |
| Built data? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | <input type="checkbox"/> Juan <input type="checkbox"/> Justin <input checked="" type="checkbox"/> Kyle <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input checked="" type="checkbox"/> Suwat <input type="checkbox"/> Zibi <input type="checkbox"/> | | | | | |
| Run Type: | <input checked="" type="checkbox"/> Data | Singles: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | | Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | | <input type="checkbox"/> CRDC | <input type="checkbox"/> Junk |
| S800 Trigger Box: | (1+) <input type="checkbox"/> S800 <input checked="" type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/>) | <input checked="" type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/>) | | <input checked="" type="checkbox"/> Sec.: (DS1) | | | |
| HiRA Trigger: | <input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl | Beam: <input checked="" type="checkbox"/> 74Kr <input type="checkbox"/> 74Kr degraded <input type="checkbox"/> proton <input type="checkbox"/> | | | | | |
| Target: | <input type="checkbox"/> Viewer <input checked="" type="checkbox"/> CH2 100um <input type="checkbox"/> CH2 50um <input type="checkbox"/> out | <input type="checkbox"/> Mask <input type="checkbox"/> Au <input type="checkbox"/> Alpha <input type="checkbox"/> Empty | | Drive Positions: | | 83 mm Target (I251Y-R) | |
| MCP MCP 0 (US): | V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | | | mm MCP 0 (US) (I250Y-R) | |
| MCP 1 (DS): | V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | | | mm MCP 1 (DS) (I250X-R) | |
| MCP Voltage on? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | S800 Segment 8 Brho: | | Vacuum: | | e- torr | |
| CAEN Bias? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Comments: | | | | | |

| | | | | | | | |
|-------------------|---|--|---------|---|-------|-------------------------------|--|
| v. 3.3 Run # | 311 | Date: | 11/9/14 | Start: | 00:15 | Stop: | |
| Your Name: | Kyle | Also on Shift: <input checked="" type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Bill <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Han <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon | | | | | |
| Built data? | <input type="checkbox"/> Yes <input type="checkbox"/> No | <input type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Kyle <input type="checkbox"/> Mingbo <input checked="" type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Zibi <input type="checkbox"/> | | | | | |
| Run Type: | <input checked="" type="checkbox"/> Data | Singles: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | | Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | | <input type="checkbox"/> CRDC | <input checked="" type="checkbox"/> Junk |
| S800 Trigger Box: | (1+) <input checked="" type="checkbox"/> S800 <input checked="" type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/>) | <input checked="" type="checkbox"/> Ext. 2 (<input checked="" type="checkbox"/> MCP DS <input type="checkbox"/>) | | <input checked="" type="checkbox"/> Sec.: (DS1) | | | |
| HiRA Trigger: | <input checked="" type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl | Beam: <input checked="" type="checkbox"/> 74Kr <input type="checkbox"/> 74Kr degraded <input type="checkbox"/> proton <input type="checkbox"/> | | | | | |
| Target: | <input type="checkbox"/> Viewer <input checked="" type="checkbox"/> CH2 100um <input type="checkbox"/> CH2 50um <input type="checkbox"/> out | <input type="checkbox"/> Mask <input type="checkbox"/> Au <input type="checkbox"/> Alpha <input type="checkbox"/> Empty | | Drive Positions: | | mm Target (I251Y-R) | |
| MCP MCP 0 (US): | V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | | | mm MCP 0 (US) (I250Y-R) | |
| MCP 1 (DS): | V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | | | mm MCP 1 (DS) (I250X-R) | |
| MCP Voltage on? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | S800 Segment 8 Brho: | | Vacuum: | | e- torr | |
| CAEN Bias? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Comments: | | | | | |

| | | | | | | | |
|-------------------|--|----------------------|---|--------|-------|-------|------|
| v. 3.3 Run # | 312 | Date: | 11/9/14 | Start: | 00:34 | Stop: | 1:31 |
| Your Name: | Rachel | Also on Shift: | <input checked="" type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Bill <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Han <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon <input type="checkbox"/> Juan <input type="checkbox"/> Justin <input checked="" type="checkbox"/> Kyle <input type="checkbox"/> Mingbo <input checked="" type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Zibi | | | | |
| Built data? | <input type="checkbox"/> Yes <input type="checkbox"/> No | | | | | | |
| Run Type: | <input checked="" type="checkbox"/> Data | Singles: | <input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) <input type="checkbox"/> CRDC <input type="checkbox"/> Junk | | | | |
| S800 Trigger Box: | (1+) <input type="checkbox"/> S800 <input checked="" type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser) <input checked="" type="checkbox"/> Ext.2 (<input checked="" type="checkbox"/> MCP DS) <input checked="" type="checkbox"/> Sec. DS 10 | | | | | | |
| HiRA Trigger: | <input checked="" type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl | Beam: | <input checked="" type="checkbox"/> 74Kr <input type="checkbox"/> 74Kr degraded <input type="checkbox"/> proton | | | | |
| Target: | <input type="checkbox"/> Viewer <input checked="" type="checkbox"/> CH2 100um <input type="checkbox"/> CH2 50um <input type="checkbox"/> out <input type="checkbox"/> Mask <input type="checkbox"/> Au <input type="checkbox"/> Alpha <input type="checkbox"/> Empty | Drive Positions: | 83 mm Target (I251Y-R) 70.5 mm MCP 0 (US) (I250Y-R) 107.5 mm MCP 1 (DS) (I250X-R) | | | | |
| MCP MCP 0 (US): | V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | | | | |
| MCP 1 (DS): | V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | | | | |
| MCP Voltage on? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | S800 Segment 8 Brho: | Vacuum: 4.3 e-6 torr | | | | |
| CAEN Bias? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Comments: | Starting this run, changed Secondary DS factor back to 10. | | | | |

| | | | | | | | |
|-------------------|--|----------------------|---|--------|------|-------|------|
| v. 3.3 Run # | 313 | Date: | 11/9/14 | Start: | 1:31 | Stop: | 2:32 |
| Your Name: | Rachel | Also on Shift: | <input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Bill <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Han <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon <input type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Kyle <input type="checkbox"/> Mingbo <input checked="" type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Zibi | | | | |
| Built data? | <input type="checkbox"/> Yes <input type="checkbox"/> No | | | | | | |
| Run Type: | <input checked="" type="checkbox"/> Data | Singles: | <input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) <input type="checkbox"/> CRDC <input type="checkbox"/> Junk | | | | |
| S800 Trigger Box: | (1+) <input type="checkbox"/> S800 <input checked="" type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser) <input checked="" type="checkbox"/> Ext.2 (<input checked="" type="checkbox"/> MCP DS) <input checked="" type="checkbox"/> Sec.: | | | | | | |
| HiRA Trigger: | <input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl | Beam: | <input checked="" type="checkbox"/> 74Kr <input type="checkbox"/> 74Kr degraded <input type="checkbox"/> proton | | | | |
| Target: | <input type="checkbox"/> Viewer <input checked="" type="checkbox"/> CH2 100um <input type="checkbox"/> CH2 50um <input type="checkbox"/> out <input type="checkbox"/> Mask <input type="checkbox"/> Au <input type="checkbox"/> Alpha <input type="checkbox"/> Empty | Drive Positions: | _____ mm Target (I251Y-R) _____ mm MCP 0 (US) (I250Y-R) _____ mm MCP 1 (DS) (I250X-R) | | | | |
| MCP MCP 0 (US): | V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | | | | |
| MCP 1 (DS): | V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | | | | |
| MCP Voltage on? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | S800 Segment 8 Brho: | Vacuum: _____ e- torr | | | | |
| CAEN Bias? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Comments: | | | | | |

| | | | | | | | |
|-------------------|--|----------------------|--|--------|------|-------|------|
| v. 3.3 Run # | 314 | Date: | 11/9/14 | Start: | 2:32 | Stop: | 2:33 |
| Your Name: | Rachel | Also on Shift: | <input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Bill <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Han <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon <input checked="" type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Kyle <input type="checkbox"/> Mingbo <input checked="" type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Zibi | | | | |
| Built data? | <input type="checkbox"/> Yes <input type="checkbox"/> No | | | | | | |
| Run Type: | <input type="checkbox"/> Data | Singles: | <input type="checkbox"/> HiRA <input checked="" type="checkbox"/> S800 <input type="checkbox"/> MCP) Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) <input type="checkbox"/> CRDC <input checked="" type="checkbox"/> Junk | | | | |
| S800 Trigger Box: | (1+) <input type="checkbox"/> S800 <input type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser) <input type="checkbox"/> Ext.2 (<input type="checkbox"/> MCP DS) <input type="checkbox"/> Sec.: | | | | | | |
| HiRA Trigger: | <input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl | Beam: | <input type="checkbox"/> 74Kr <input type="checkbox"/> 74Kr degraded <input type="checkbox"/> proton | | | | |
| Target: | <input type="checkbox"/> Viewer <input type="checkbox"/> CH2 100um <input type="checkbox"/> CH2 50um <input type="checkbox"/> out <input type="checkbox"/> Mask <input type="checkbox"/> Au <input type="checkbox"/> Alpha <input type="checkbox"/> Empty | Drive Positions: | _____ mm Target (I251Y-R) _____ mm MCP 0 (US) (I250Y-R) _____ mm MCP 1 (DS) (I250X-R) | | | | |
| MCP MCP 0 (US): | V: _____ I: <input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | | | | |
| MCP 1 (DS): | V: _____ I: <input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | | | | |
| MCP Voltage on? | <input type="checkbox"/> Yes <input type="checkbox"/> No | S800 Segment 8 Brho: | Vacuum: _____ e- torr | | | | |
| CAEN Bias? | <input type="checkbox"/> Yes <input type="checkbox"/> No | Comments: | | | | | |

| | | | |
|---|---|---|---|
| v. 3.3 Run # 315 | Date: 11/9/14 | Start: 2:30 | Stop: 2:57 |
| Your Name: Rachel | Also on Shift: <input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Bill <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Han <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon | | |
| Built data? <input type="checkbox"/> Yes <input type="checkbox"/> No | <input checked="" type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Kyle <input type="checkbox"/> Mingbo <input checked="" type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Zibi <input type="checkbox"/> _____ | | |
| Run Type: <input type="checkbox"/> Data | Singles: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | Calib: (<input checked="" type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | <input type="checkbox"/> CRDC <input type="checkbox"/> Junk |
| S800 Trigger Box: (1+) <input type="checkbox"/> S800 <input type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____) | Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____) | | <input checked="" type="checkbox"/> Sec.: EF+EB DS1 |
| HiRA Trigger: <input checked="" type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl | Beam: <input checked="" type="checkbox"/> 74Kr <input type="checkbox"/> 74Kr degraded <input type="checkbox"/> proton <input type="checkbox"/> _____ | | |
| Target: <input type="checkbox"/> Viewer <input type="checkbox"/> CH2 100um <input type="checkbox"/> CH2 50um <input type="checkbox"/> out | <input type="checkbox"/> Mask <input type="checkbox"/> Au <input checked="" type="checkbox"/> Alpha <input type="checkbox"/> Empty | | Drive Positions: |
| MCP MCP 0 (US): V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | MCP 1 (DS): V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | _____ mm Target (I251Y-R) |
| MCP Voltage on? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | S800 Segment 8 Brho: _____ | Vacuum: _____ e- torr | |
| CAEN Bias? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Comments: E1 dropped down to < 3000. While we change foil, back to alpha. | | |

3 am: Current in magnet D2 dropped to 0! He levels still okay on PuelMat. Cryo expert was called and said this is not a Cryo problem. I269 IG found w/ error code 05E and I IG w/ error code 07E. restarts properly, I269 does not. Upon inspection, we (Rachel, Juan, Jay) found the wire was burned out. (no alarm)

5:27 am: I269IG replaced, issue not resolved, Charisse contacted, said not a Controls issue, could be PS related, Jeff Caslake called in to investigate.

| | | | |
|---|--|---|---|
| v. 3.3 Run # 316-318 | Date: 11/9/14 | Start: 5:22 | Stop: 7:50 |
| Your Name: Rachel | Also on Shift: <input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Bill <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Han <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon | | |
| Built data? <input type="checkbox"/> Yes <input type="checkbox"/> No | <input checked="" type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Kyle <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Zibi <input type="checkbox"/> _____ | | |
| Run Type: <input type="checkbox"/> Data | Singles: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | Calib: (<input checked="" type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | <input type="checkbox"/> CRDC <input type="checkbox"/> Junk |
| S800 Trigger Box: (1+) <input type="checkbox"/> S800 <input type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____) | Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____) | | <input checked="" type="checkbox"/> Sec.: DS 1 |
| HiRA Trigger: <input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl | Beam: <input type="checkbox"/> 74Kr <input type="checkbox"/> 74Kr degraded <input type="checkbox"/> proton <input type="checkbox"/> _____ | | |
| Target: <input type="checkbox"/> Viewer <input type="checkbox"/> CH2 100um <input type="checkbox"/> CH2 50um <input type="checkbox"/> out | <input type="checkbox"/> Mask <input type="checkbox"/> Au <input checked="" type="checkbox"/> Alpha <input type="checkbox"/> Empty | | Drive Positions: |
| MCP MCP 0 (US): V: _____ I: <input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | MCP 1 (DS): V: _____ I: <input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | 240 mm Target (I251Y-R) |
| MCP Voltage on? <input type="checkbox"/> Yes <input type="checkbox"/> No | S800 Segment 8 Brho: _____ | Vacuum: _____ e- torr | |
| CAEN Bias? <input type="checkbox"/> Yes <input type="checkbox"/> No | Comments: Run 316: 5:22 - 6:18 Run 317: 6:18 - 7:15 318: 7:15 - | | |

Alpha Runs while machine problems

Runs 319-322 Junk

Jeff cycled power and current is once again flowing through magnet.

| | | | | | | | |
|-------------------|---|--|--|---|------|--|------|
| v. 3.3 Run # | 323 | Date: | 11/9/14 | Start: | 8:14 | Stop: | 8:19 |
| Your Name: | Jun | Also on Shift: <input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Bill <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Han <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input checked="" type="checkbox"/> Jon | | | | | |
| Built data? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | <input checked="" type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Kyle <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Zibi <input type="checkbox"/> | | | | | |
| Run Type: | <input type="checkbox"/> Data | Singles: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | | Calib: (<input type="checkbox"/> HiRA <input checked="" type="checkbox"/> S800 <input type="checkbox"/> MCP) | | <input checked="" type="checkbox"/> CRDC <input type="checkbox"/> Junk | |
| S800 Trigger Box: | (1+) <input checked="" type="checkbox"/> S800 <input type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____) | <input type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____) | | <input type="checkbox"/> Sec.: _____ | | | |
| HiRA Trigger: | <input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl | | Beam: <input checked="" type="checkbox"/> 74Kr <input type="checkbox"/> 74Kr degraded <input type="checkbox"/> proton <input type="checkbox"/> | | | | |
| Target: | <input type="checkbox"/> Viewer <input checked="" type="checkbox"/> CH2 100um <input type="checkbox"/> CH2 50um <input type="checkbox"/> out | Drive Positions: | | 83 mm Target (I251Y-R) | | | |
| | <input type="checkbox"/> Mask <input type="checkbox"/> Au <input type="checkbox"/> Alpha <input type="checkbox"/> Empty | | | mm MCP 0 (US) (I250Y-R) | | | |
| MCP MCP 0 (US): | V: _____ I: <input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | mm MCP 1 (DS) (I250X-R) | | | |
| MCP 1 (DS): | V: _____ I: <input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | | | | |
| MCP Voltage on? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | S800 Segment 8 Brho: | | Vacuum: _____ e- torr | | | |
| CAEN Bias? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Comments: CRDC 2 Mask | | | | | |

| | | | | | | | |
|-------------------|---|--|--|---|------|--|------|
| v. 3.3 Run # | 324 | Date: | 11/9/14 | Start: | 8:21 | Stop: | 8:25 |
| Your Name: | Jun | Also on Shift: <input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Bill <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Han <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input checked="" type="checkbox"/> Jon | | | | | |
| Built data? | <input type="checkbox"/> Yes <input type="checkbox"/> No | <input checked="" type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Kyle <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Zibi <input type="checkbox"/> | | | | | |
| Run Type: | <input type="checkbox"/> Data | Singles: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | | Calib: (<input type="checkbox"/> HiRA <input checked="" type="checkbox"/> S800 <input type="checkbox"/> MCP) | | <input checked="" type="checkbox"/> CRDC <input type="checkbox"/> Junk | |
| S800 Trigger Box: | (1+) <input checked="" type="checkbox"/> S800 <input type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____) | <input type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____) | | <input type="checkbox"/> Sec.: _____ | | | |
| HiRA Trigger: | <input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl | | Beam: <input checked="" type="checkbox"/> 74Kr <input type="checkbox"/> 74Kr degraded <input type="checkbox"/> proton <input type="checkbox"/> | | | | |
| Target: | <input type="checkbox"/> Viewer <input checked="" type="checkbox"/> CH2 100um <input type="checkbox"/> CH2 50um <input type="checkbox"/> out | Drive Positions: | | 83 mm Target (I251Y-R) | | | |
| | <input type="checkbox"/> Mask <input type="checkbox"/> Au <input type="checkbox"/> Alpha <input type="checkbox"/> Empty | | | mm MCP 0 (US) (I250Y-R) | | | |
| MCP MCP 0 (US): | V: _____ I: <input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | mm MCP 1 (DS) (I250X-R) | | | |
| MCP 1 (DS): | V: _____ I: <input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | | | | |
| MCP Voltage on? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | S800 Segment 8 Brho: | | Vacuum: _____ e- torr | | | |
| CAEN Bias? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Comments: CRDC 1 Mask | | | | | |

The S800 seems to be working normally. The problem is not understood. Jeff said this happened once six years ago, and a power cycle fixed it.

| | | | |
|---|--|---|---|
| v. 3.3 Run # 326 | Date: 11/9/14 | Start: | Stop: |
| Your Name: | Also on Shift: <input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Bill <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Han <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input checked="" type="checkbox"/> Jon | | |
| Built data? <input type="checkbox"/> Yes <input type="checkbox"/> No | <input checked="" type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Kyle <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Zibi | | |
| Run Type: <input type="checkbox"/> Data | Singles: (<input type="checkbox"/> HiRA <input checked="" type="checkbox"/> S800 <input type="checkbox"/> MCP) | Calib: (<input type="checkbox"/> HiRA <input checked="" type="checkbox"/> S800 <input type="checkbox"/> MCP) | <input type="checkbox"/> CRDC <input type="checkbox"/> Junk |
| S800 Trigger Box: (1+) <input checked="" type="checkbox"/> S800 <input type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____) | Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____) <input type="checkbox"/> Sec.: _____ | | |
| HiRA Trigger: <input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl | Beam: <input type="checkbox"/> 74Kr <input type="checkbox"/> 74Kr degraded <input type="checkbox"/> proton <input type="checkbox"/> _____ | | |
| Target: <input type="checkbox"/> Viewer <input type="checkbox"/> Mask | <input type="checkbox"/> CH2 100um <input type="checkbox"/> Au | <input type="checkbox"/> CH2 50um <input type="checkbox"/> Alpha | <input type="checkbox"/> out <input type="checkbox"/> Empty |
| MCP MCP 0 (US): | V: _____ I: <input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | Drive Positions: 83 mm Target (I251Y-R) | |
| MCP 1 (DS): | V: _____ I: <input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | _____ mm MCP 0 (US) (I250Y-R) | |
| MCP Voltage on? <input type="checkbox"/> Yes <input type="checkbox"/> No | S800 Segment 8 Brho: | Vacuum: _____ e- torr | |
| CAEN Bias? <input type="checkbox"/> Yes <input type="checkbox"/> No | Comments: approx 30x attenuation do not understand CRDC 1 readout - too large | | |

Saw CRDC 1 rate ~100,000, looked on scope,
Saw nothing unordinary. CRDC 2 rate was normal

| | | | |
|---|---|---|---|
| v. 3.3 Run # 326 327 | Date: 11/9/14 | Start: 8:57 | Stop: 9:00 |
| Your Name: Jon | Also on Shift: <input type="checkbox"/> Andy <input type="checkbox"/> Ben <input checked="" type="checkbox"/> Bill <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Han <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input checked="" type="checkbox"/> Jon | | |
| Built data? <input type="checkbox"/> Yes <input type="checkbox"/> No | <input checked="" type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Kyle <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Zibi | | |
| Run Type: <input type="checkbox"/> Data | Singles: (<input type="checkbox"/> HiRA <input checked="" type="checkbox"/> S800 <input type="checkbox"/> MCP) | Calib: (<input type="checkbox"/> HiRA <input checked="" type="checkbox"/> S800 <input type="checkbox"/> MCP) | <input type="checkbox"/> CRDC <input type="checkbox"/> Junk |
| S800 Trigger Box: (1+) <input checked="" type="checkbox"/> S800 <input type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____) | Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____) <input type="checkbox"/> Sec.: _____ | | |
| HiRA Trigger: <input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl | Beam: <input checked="" type="checkbox"/> 74Kr <input type="checkbox"/> 74Kr degraded <input type="checkbox"/> proton <input type="checkbox"/> _____ | | |
| Target: <input type="checkbox"/> Viewer <input type="checkbox"/> Mask | <input checked="" type="checkbox"/> CH2 100um <input type="checkbox"/> Au | <input type="checkbox"/> CH2 50um <input type="checkbox"/> Alpha | <input type="checkbox"/> out <input type="checkbox"/> Empty |
| MCP MCP 0 (US): | V: _____ I: <input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | Drive Positions: 83 mm Target (I251Y-R) | |
| MCP 1 (DS): | V: _____ I: <input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | _____ mm MCP 0 (US) (I250Y-R) | |
| MCP Voltage on? <input type="checkbox"/> Yes <input type="checkbox"/> No | S800 Segment 8 Brho: | Vacuum: _____ e- torr | |
| CAEN Bias? <input type="checkbox"/> Yes <input type="checkbox"/> No | Comments: approx 3x attenuation large CRDC 1 readout | | |

| | | | | | | | |
|-------------------|---|----------------|---|--|-----------------------|-------|------|
| v. 3.3 Run # | 328 | Date: | 11/9/14 | Start: | 9:01 | Stop: | 9:07 |
| Your Name: | Jon | Also on Shift: | <input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Bill <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Han <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input checked="" type="checkbox"/> Jon <input checked="" type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Kyle <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Zibi <input type="checkbox"/> _____ | | | | |
| Built data? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | | | | | | |
| Run Type: | <input checked="" type="checkbox"/> Data | Singles: | <input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP <input type="checkbox"/> CRDC <input type="checkbox"/> Junk | | | | |
| S800 Trigger Box: | <input checked="" type="checkbox"/> (1+) <input type="checkbox"/> S800 <input type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____) <input type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____) <input type="checkbox"/> Sec.: _____ | | | | | | |
| HiRA Trigger: | <input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl | | Beam: <input checked="" type="checkbox"/> 74Kr <input type="checkbox"/> 74Kr degraded <input type="checkbox"/> proton <input type="checkbox"/> _____ | | | | |
| Target: | <input type="checkbox"/> Viewer <input checked="" type="checkbox"/> CH2 100um <input type="checkbox"/> CH2 50um <input type="checkbox"/> out <input type="checkbox"/> Mask <input type="checkbox"/> Au <input type="checkbox"/> Alpha <input type="checkbox"/> Empty | | | Drive Positions: 83 mm Target (I251Y-R) _____ mm MCP 0 (US) (I250Y-R) _____ mm MCP 1 (DS) (I250X-R) | | | |
| MCP MCP 0 (US): | V: _____ I: <input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | | | | |
| MCP 1 (DS): | V: _____ I: <input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | | | | |
| MCP Voltage on? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | | S800 Segment 8 Brho: | | Vacuum: _____ e- torr | | |
| CAEN Bias? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | | Comments: 3x attenuation | | | | |

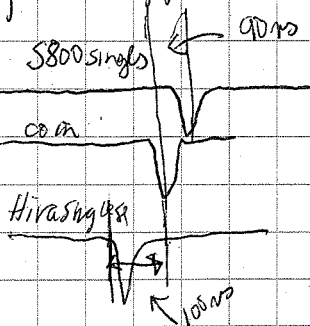
CRDCI rate ~2500, Do not understand why the readout was so high before

| | | | | | | | |
|-------------------|--|----------------|---|--|-----------------------|-------|-------|
| v. 3.3 Run # | 329-337 | Date: | 11/9/14 | Start: | 9:08 | Stop: | 11:47 |
| Your Name: | Jon | Also on Shift: | <input type="checkbox"/> Andy <input type="checkbox"/> Ben <input checked="" type="checkbox"/> Bill <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Han <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input checked="" type="checkbox"/> Jon <input type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Kyle <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Zibi <input type="checkbox"/> _____ | | | | |
| Built data? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | | | | | | |
| Run Type: | <input checked="" type="checkbox"/> Data | Singles: | <input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP <input type="checkbox"/> CRDC <input type="checkbox"/> Junk | | | | |
| S800 Trigger Box: | <input checked="" type="checkbox"/> (1+) <input type="checkbox"/> S800 <input checked="" type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____) <input type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____) <input type="checkbox"/> Sec.: _____ | | | | | | |
| HiRA Trigger: | <input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl | | Beam: <input checked="" type="checkbox"/> 74Kr <input type="checkbox"/> 74Kr degraded <input type="checkbox"/> proton <input type="checkbox"/> _____ | | | | |
| Target: | <input type="checkbox"/> Viewer <input checked="" type="checkbox"/> CH2 100um <input type="checkbox"/> CH2 50um <input type="checkbox"/> out <input type="checkbox"/> Mask <input type="checkbox"/> Au <input type="checkbox"/> Alpha <input type="checkbox"/> Empty | | | Drive Positions: 83 mm Target (I251Y-R) _____ mm MCP 0 (US) (I250Y-R) _____ mm MCP 1 (DS) (I250X-R) | | | |
| MCP MCP 0 (US): | V: _____ I: <input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | | | | |
| MCP 1 (DS): | V: _____ I: <input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | | | | |
| MCP Voltage on? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | | S800 Segment 8 Brho: | | Vacuum: _____ e- torr | | |
| CAEN Bias? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | | Comments: | | | | |

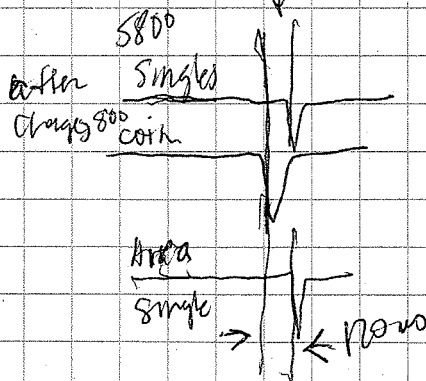
Shifted HiRA secondary delay in the S800 from 25 ns to 250 ns
 11:55 11/9/14

Timing in trigger is changed

before change



we found that HiRA singles was 100 ns early some were shifted it bla by 228 ns



| | | | |
|---|--|--|---|
| v. 3.3 Run # 332 | Date: 11/9/14 | Start: 12:00 | Stop: |
| Your Name: Jonathan | Also on Shift: <input checked="" type="checkbox"/> Andy <input type="checkbox"/> Ben <input checked="" type="checkbox"/> Bill <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Han <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input checked="" type="checkbox"/> Jon | | |
| Built data? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | <input type="checkbox"/> Juan <input type="checkbox"/> Justin <input checked="" type="checkbox"/> Kyle <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Zibi <input type="checkbox"/> | | |
| Run Type: <input checked="" type="checkbox"/> Data | Singles: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | <input type="checkbox"/> CRDC <input type="checkbox"/> Junk |
| S800 Trigger Box: (1+) <input type="checkbox"/> S800 <input checked="" type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____) | Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____) | | <input checked="" type="checkbox"/> Sec.: _____ |
| HiRA Trigger: <input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> CsI | Beam: <input checked="" type="checkbox"/> 74Kr <input type="checkbox"/> 74Kr degraded <input type="checkbox"/> proton <input type="checkbox"/> | | |
| Target: <input type="checkbox"/> Viewer <input checked="" type="checkbox"/> CH2 100um <input type="checkbox"/> CH2 50um <input type="checkbox"/> out | Drive Positions: | | |
| <input type="checkbox"/> Mask <input type="checkbox"/> Au <input type="checkbox"/> Alpha <input type="checkbox"/> Empty | 83 mm Target (I251Y-R) | | |
| MCP MCP 0 (US): V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | _____ mm MCP 0 (US) (I250Y-R) | | |
| MCP 1 (DS): V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | _____ mm MCP 1 (DS) (I250X-R) | | |
| MCP Voltage on? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | S800 Segment 8 Brho: _____ | Vacuum: _____ e- torr | |
| CAEN Bias? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Comments: Chips have been reloaded - noticed an odd/even effect on T15 and T17 | | |

Scalers (rates)

| XFP.Scint | E1 up | E1 down | Live.triggers | S800.trigger |
|-------------------------|------------------|--|---------------------------------|--------------|
| 310K | 5200 | 5200 | 5500 100 | ~5000 |
| CsI OR of ORs | EB Or (MB1+MB2) | EF Or (MB1+MB2) | HiRA_live_trigger | |
| 350 | 550 + 550 = 1100 | 600 + 50 = 650 | 650 | |
| Print SpecTcl? | | <input type="checkbox"/> Yes | <input type="checkbox"/> No | |
| Check Leakage Currents? | | <input checked="" type="checkbox"/> OK - T17 (3.5uA) | <input type="checkbox"/> Not OK | |
| Barney Print Out? | | <input checked="" type="checkbox"/> Yes (saved) | <input type="checkbox"/> No | |

| | | | |
|---|--|--|---|
| v. 3.3 Run # 333 | Date: 11/9/14 | Start: 12:47 | Stop: |
| Your Name: Kyle | Also on Shift: <input checked="" type="checkbox"/> Andy <input type="checkbox"/> Ben <input checked="" type="checkbox"/> Bill <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Han <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input checked="" type="checkbox"/> Jon | | |
| Built data? <input type="checkbox"/> Yes <input type="checkbox"/> No | <input type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Kyle <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Zibi <input type="checkbox"/> | | |
| Run Type: <input checked="" type="checkbox"/> Data | Singles: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | <input type="checkbox"/> CRDC <input type="checkbox"/> Junk |
| S800 Trigger Box: (1+) S800 <input checked="" type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____) | Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____) | | <input checked="" type="checkbox"/> Sec.: _____ |
| HiRA Trigger: <input checked="" type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> CsI | Beam: <input checked="" type="checkbox"/> 74Kr <input type="checkbox"/> 74Kr degraded <input type="checkbox"/> proton <input type="checkbox"/> | | |
| Target: <input type="checkbox"/> Viewer <input checked="" type="checkbox"/> CH2 100um <input type="checkbox"/> CH2 50um <input type="checkbox"/> out | Drive Positions: | | |
| <input type="checkbox"/> Mask <input type="checkbox"/> Au <input type="checkbox"/> Alpha <input type="checkbox"/> Empty | _____ mm Target (I251Y-R) | | |
| MCP MCP 0 (US): V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | _____ mm MCP 0 (US) (I250Y-R) | | |
| MCP 1 (DS): V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | _____ mm MCP 1 (DS) (I250X-R) | | |
| MCP Voltage on? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | S800 Segment 8 Brho: _____ | Vacuum: _____ e- torr | |
| CAEN Bias? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Comments: Increased object voltage to 1.78 kV | | |

| | | | |
|---|--|--|---|
| v. 3.3 Run # 334 | Date: 11/9/14 | Start: 13:55 | Stop: 14:41 |
| Your Name: Kyle | Also on Shift: <input checked="" type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Bill <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Han <input type="checkbox"/> Jack <input checked="" type="checkbox"/> Jenny <input checked="" type="checkbox"/> Jon | | |
| Built data? <input type="checkbox"/> Yes <input type="checkbox"/> No | <input type="checkbox"/> Juan <input type="checkbox"/> Justin <input checked="" type="checkbox"/> Kyle <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Zibi <input type="checkbox"/> _____ | | |
| Run Type: <input checked="" type="checkbox"/> Data | Singles: (<input type="checkbox"/> HIRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | <input type="checkbox"/> CRDC <input type="checkbox"/> Junk |
| S800 Trigger Box: (1+) <input type="checkbox"/> S800 <input checked="" type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____) | <input checked="" type="checkbox"/> Ext. 2 (<input checked="" type="checkbox"/> MCP DS <input type="checkbox"/> _____) | | <input checked="" type="checkbox"/> Sec.: _____ |
| HiRA Trigger: <input checked="" type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl | Beam: <input checked="" type="checkbox"/> 74Kr <input type="checkbox"/> 74Kr degraded <input type="checkbox"/> proton <input type="checkbox"/> _____ | | |
| Target: <input type="checkbox"/> Viewer <input checked="" type="checkbox"/> CH2 100um <input type="checkbox"/> CH2 50um <input type="checkbox"/> out | Drive Positions: | | Target (I251Y-R) |
| <input type="checkbox"/> Mask <input type="checkbox"/> Au <input type="checkbox"/> Alpha <input type="checkbox"/> Empty | _____ mm | _____ mm | MCP 0 (US) (I250Y-R) |
| MCP MCP 0 (US): V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | _____ mm | _____ mm | MCP 1 (DS) (I250X-R) |
| MCP 1 (DS): V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | MCP Voltage on? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | | S800 Segment 8 Brho: _____ |
| CAEN Bias? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Comments: | | Vacuum: _____ e- torr |

Changed the delay cable of the Object constant fraction from 1ns to 3ns to try and see improve the resolution.

| | | | |
|---|--|--|---|
| v. 3.3 Run # 335 | Date: 11/9/14 | Start: 14:49 | Stop: |
| Your Name: Kyle | Also on Shift: <input type="checkbox"/> Andy <input type="checkbox"/> Ben <input checked="" type="checkbox"/> Bill <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Han <input type="checkbox"/> Jack <input checked="" type="checkbox"/> Jenny <input checked="" type="checkbox"/> Jon | | |
| Built data? <input type="checkbox"/> Yes <input type="checkbox"/> No | <input type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Kyle <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Zibi <input type="checkbox"/> _____ | | |
| Run Type: <input checked="" type="checkbox"/> Data | Singles: (<input type="checkbox"/> HIRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | <input type="checkbox"/> CRDC <input type="checkbox"/> Junk |
| S800 Trigger Box: (1+) <input type="checkbox"/> S800 <input checked="" type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____) | <input checked="" type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____) | | <input checked="" type="checkbox"/> Sec.: _____ |
| HiRA Trigger: <input checked="" type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl | Beam: <input checked="" type="checkbox"/> 74Kr <input type="checkbox"/> 74Kr degraded <input type="checkbox"/> proton <input type="checkbox"/> _____ | | |
| Target: <input type="checkbox"/> Viewer <input checked="" type="checkbox"/> CH2 100um <input type="checkbox"/> CH2 50um <input type="checkbox"/> out | Drive Positions: | | Target (I251Y-R) |
| <input type="checkbox"/> Mask <input type="checkbox"/> Au <input type="checkbox"/> Alpha <input type="checkbox"/> Empty | _____ mm | _____ mm | MCP 0 (US) (I250Y-R) |
| MCP MCP 0 (US): V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | _____ mm | _____ mm | MCP 1 (DS) (I250X-R) |
| MCP 1 (DS): V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | MCP Voltage on? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | | S800 Segment 8 Brho: _____ |
| CAEN Bias? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Comments: | | Vacuum: _____ e- torr |
| First run with new object CFD delay | | | |

| | | | |
|---|--|--|---|
| v. 3.3 Run # 336 | Date: 11/9/14 | Start: 15:51 | Stop: |
| Your Name: Kyle | Also on Shift: <input type="checkbox"/> Andy <input type="checkbox"/> Ben <input checked="" type="checkbox"/> Bill <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Han <input type="checkbox"/> Jack <input checked="" type="checkbox"/> Jenny <input checked="" type="checkbox"/> Jon | | |
| Built data? <input type="checkbox"/> Yes <input type="checkbox"/> No | <input type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Kyle <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Zibi <input type="checkbox"/> _____ | | |
| Run Type: <input checked="" type="checkbox"/> Data | Singles: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | <input type="checkbox"/> CRDC <input type="checkbox"/> Junk |
| S800 Trigger Box: (1+) <input checked="" type="checkbox"/> S800 <input type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____) | <input checked="" type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____) | | <input checked="" type="checkbox"/> Sec.: _____ |
| HiRA Trigger: <input checked="" type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl | Beam: <input type="checkbox"/> 74Kr <input type="checkbox"/> 74Kr degraded <input type="checkbox"/> proton <input type="checkbox"/> _____ | | |
| Target: <input type="checkbox"/> Viewer <input checked="" type="checkbox"/> CH2 100um <input type="checkbox"/> CH2 50um <input type="checkbox"/> out | Drive Positions: | | Target (I251Y-R) |
| <input type="checkbox"/> Mask <input type="checkbox"/> Au <input type="checkbox"/> Alpha <input type="checkbox"/> Empty | _____ mm | _____ mm | MCP 0 (US) (I250Y-R) |
| MCP MCP 0 (US): V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | _____ mm | _____ mm | MCP 1 (DS) (I250X-R) |
| MCP 1 (DS): V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | MCP Voltage on? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | | S800 Segment 8 Brho: _____ |
| CAEN Bias? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Comments: | | Vacuum: _____ e- torr |

| | | | | | | | |
|-------------------|--|----------------------|--|--------|-------|-------|--|
| v. 3.3 Run # | 337 | Date: | 11/9/14 | Start: | 17:30 | Stop: | |
| Your Name: | Suwat | Also on Shift: | <input type="checkbox"/> Andy <input type="checkbox"/> Ben <input checked="" type="checkbox"/> Bill <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Han <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon <input type="checkbox"/> Juan <input checked="" type="checkbox"/> Justin <input type="checkbox"/> Kyle <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input checked="" type="checkbox"/> Suwat <input type="checkbox"/> Zibi <input type="checkbox"/> _____ | | | | |
| Built data? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | | | | | | |
| Run Type: | <input checked="" type="checkbox"/> Data | Singles: | <input type="checkbox"/> HIRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) Calib: (<input type="checkbox"/> HIRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) <input type="checkbox"/> CRDC <input type="checkbox"/> Junk | | | | |
| S800 Trigger Box: | (1+) <input type="checkbox"/> S800 <input checked="" type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____) <input checked="" type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____) <input checked="" type="checkbox"/> Sec.: | | | | | | |
| HiRA Trigger: | <input checked="" type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl | Beam: | <input checked="" type="checkbox"/> 74Kr <input type="checkbox"/> 74Kr degraded <input type="checkbox"/> proton <input type="checkbox"/> _____ | | | | |
| Target: | <input type="checkbox"/> Viewer <input checked="" type="checkbox"/> CH2 100um <input type="checkbox"/> CH2 50um <input type="checkbox"/> out <input type="checkbox"/> Mask <input type="checkbox"/> Au <input type="checkbox"/> Alpha <input type="checkbox"/> Empty | Drive Positions: | 83 mm Target (I251Y-R) _____ mm MCP 0 (US) (I250Y-R) _____ mm MCP 1 (DS) (I250X-R) | | | | |
| MCP MCP 0 (US): | V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | | | | |
| MCP 1 (DS): | V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | | | | |
| MCP Voltage on? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | S800 Segment 8 Brho: | Vacuum: _____ e- torr | | | | |
| CAEN Bias? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Comments: | | | | | |

* Magnet issue for the cyclotron (208 He leak) + Foil replaced

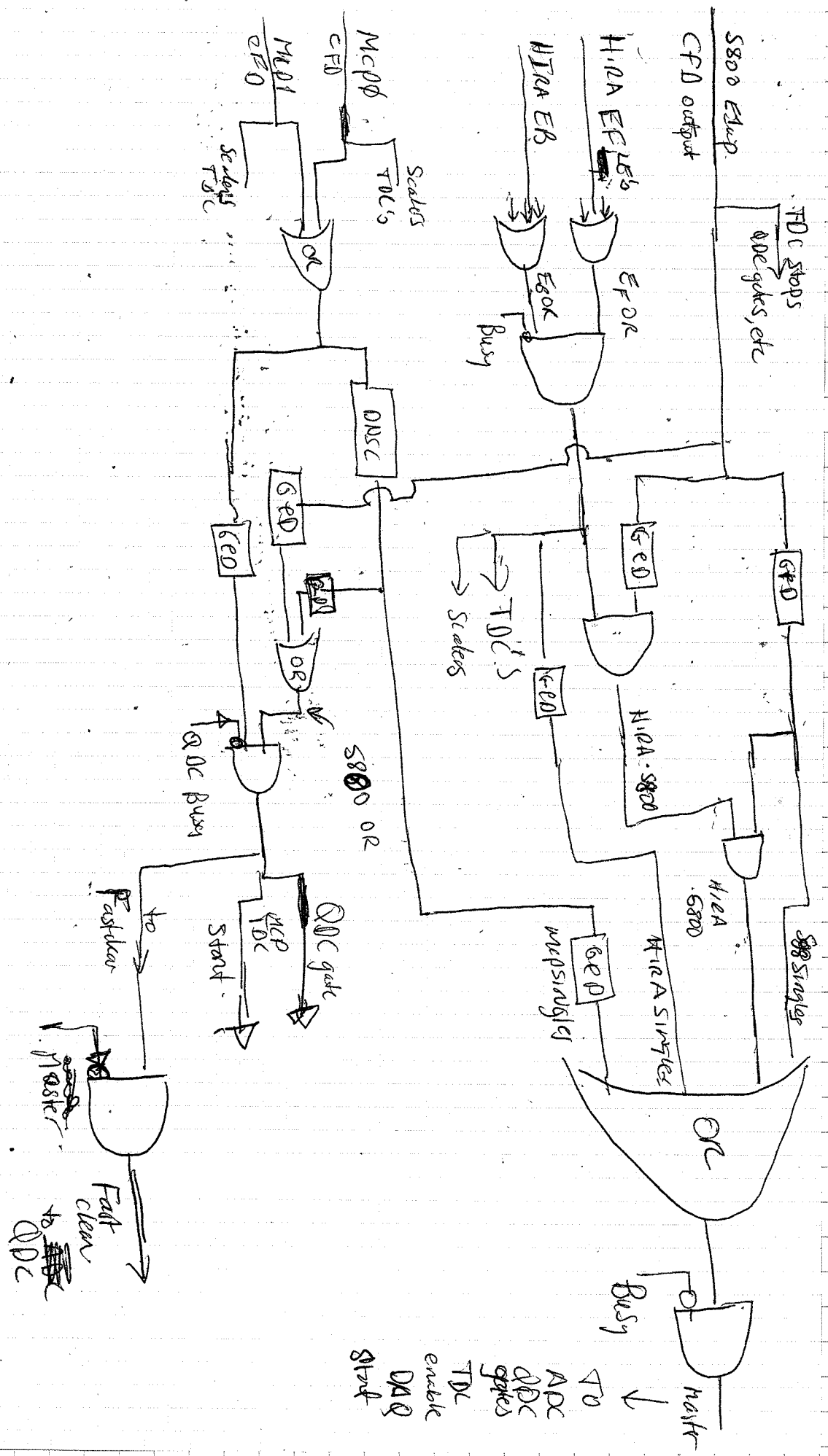
| | | | | | | | |
|-------------------|--|----------------------|---|--------|-------|-------|--|
| v. 3.3 Run # | 338 | Date: | 11/9/14 | Start: | 18:59 | Stop: | |
| Your Name: | Suwat | Also on Shift: | <input checked="" type="checkbox"/> Andy <input type="checkbox"/> Ben <input checked="" type="checkbox"/> Bill <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Han <input type="checkbox"/> Jack <input checked="" type="checkbox"/> Jenny <input type="checkbox"/> Jon <input type="checkbox"/> Juan <input checked="" type="checkbox"/> Justin <input checked="" type="checkbox"/> Kyle <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input checked="" type="checkbox"/> Suwat <input type="checkbox"/> Zibi <input type="checkbox"/> _____ | | | | |
| Built data? | <input type="checkbox"/> Yes <input type="checkbox"/> No | | | | | | |
| Run Type: | <input type="checkbox"/> Data | Singles: | <input type="checkbox"/> HIRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) Calib: (<input checked="" type="checkbox"/> HIRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) <input type="checkbox"/> CRDC <input type="checkbox"/> Junk | | | | |
| S800 Trigger Box: | (1+) <input type="checkbox"/> S800 <input type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____) <input type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____) <input checked="" type="checkbox"/> Sec.: | | | | | | |
| HiRA Trigger: | <input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl | Beam: | <input type="checkbox"/> 74Kr <input type="checkbox"/> 74Kr degraded <input type="checkbox"/> proton <input type="checkbox"/> _____ | | | | |
| Target: | <input type="checkbox"/> Viewer <input type="checkbox"/> CH2 100um <input type="checkbox"/> CH2 50um <input type="checkbox"/> out <input type="checkbox"/> Mask <input type="checkbox"/> Au <input checked="" type="checkbox"/> Alpha <input type="checkbox"/> Empty | Drive Positions: | 236 mm Target (I251Y-R) _____ mm MCP 0 (US) (I250Y-R) _____ mm MCP 1 (DS) (I250X-R) | | | | |
| MCP MCP 0 (US): | V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | | | | |
| MCP 1 (DS): | V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | | | | |
| MCP Voltage on? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | S800 Segment 8 Brho: | Vacuum: _____ e- torr | | | | |
| CAEN Bias? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Comments: Alpha run | | | | | |

| | | | | | | | |
|-------------------|---|---|--|--------|-------|-------|-------|
| v. 3.3 Run # | 339 | Date: | 11/9/14 | Start: | 19:10 | Stop: | 21:08 |
| Your Name: | Suwat | Also on Shift: | <input checked="" type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Bill <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Han <input type="checkbox"/> Jack <input checked="" type="checkbox"/> Jenny <input type="checkbox"/> Jon <input type="checkbox"/> Juan <input checked="" type="checkbox"/> Justin <input checked="" type="checkbox"/> Kyle <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input checked="" type="checkbox"/> Suwat <input type="checkbox"/> Zibi <input type="checkbox"/> _____ | | | | |
| Built data? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | | | | | | |
| Run Type: | <input checked="" type="checkbox"/> Data | Singles: | <input type="checkbox"/> HIRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) Calib: (<input type="checkbox"/> HIRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) <input type="checkbox"/> CRDC <input type="checkbox"/> Junk | | | | |
| S800 Trigger Box: | (1+) <input type="checkbox"/> S800 <input checked="" type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____) <input checked="" type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____) <input type="checkbox"/> Sec.: | | | | | | |
| HiRA Trigger: | <input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl | Beam: | <input checked="" type="checkbox"/> 74Kr <input type="checkbox"/> 74Kr degraded <input type="checkbox"/> proton <input type="checkbox"/> _____ | | | | |
| Target: | <input type="checkbox"/> Viewer <input checked="" type="checkbox"/> CH2 100um <input type="checkbox"/> CH2 50um <input type="checkbox"/> out <input type="checkbox"/> Mask <input type="checkbox"/> Au <input type="checkbox"/> Alpha <input type="checkbox"/> Empty | Drive Positions: | 83 mm Target (I251Y-R) _____ mm MCP 0 (US) (I250Y-R) _____ mm MCP 1 (DS) (I250X-R) | | | | |
| MCP MCP 0 (US): | V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | | | | |
| MCP 1 (DS): | V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | | | | |
| MCP Voltage on? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | S800 Segment 8 Brho: | Vacuum: _____ e- torr | | | | |
| CAEN Bias? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Comments: Run Title will say Alpha on file. This is a mistake. 339 is Data. | | | | | |

| | | | |
|--|--|-----------------------------|--------------------|
| v. 3.3 Run # <u>340</u> | Date: <u>11/9/14</u> | Start: <u>21:08</u> | Stop: <u>22:26</u> |
| Your Name: <u>Justin</u> | Also on Shift: <input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Bill <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Han <input type="checkbox"/> Jack <input checked="" type="checkbox"/> Jenny <input type="checkbox"/> Jon | | |
| Built data? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | <input type="checkbox"/> Juan <input checked="" type="checkbox"/> Justin <input checked="" type="checkbox"/> Kyle <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input checked="" type="checkbox"/> Suwat <input type="checkbox"/> Zibi <input type="checkbox"/> _____ | | |
| Run Type: <input checked="" type="checkbox"/> Data | Singles: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) <input type="checkbox"/> CRDC <input type="checkbox"/> Junk | | |
| S800 Trigger Box: (1+) <input type="checkbox"/> S800 <input checked="" type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____) <input checked="" type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____) <input checked="" type="checkbox"/> Sec.: _____ | | | |
| HiRA Trigger: <input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl | Beam: <input checked="" type="checkbox"/> 74Kr <input type="checkbox"/> 74Kr degraded <input type="checkbox"/> proton <input type="checkbox"/> _____ | | |
| Target: <input type="checkbox"/> Viewer <input checked="" type="checkbox"/> CH2 100um <input type="checkbox"/> CH2 50um <input type="checkbox"/> out <input type="checkbox"/> Mask <input type="checkbox"/> Au <input type="checkbox"/> Alpha <input type="checkbox"/> Empty | Drive Positions: <u>83</u> mm Target (I251Y-R) <u>70.5</u> mm MCP 0 (US) (I250Y-R) <u>107.5</u> mm MCP 1 (DS) (I250X-R) | | |
| MCP MCP 0 (US): V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | |
| MCP 1 (DS): V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | |
| MCP Voltage on? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | S800 Segment 8 Brho: <u>2.2954</u> | Vacuum: <u>4.3 e-6</u> torr | |
| CAEN Bias? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Comments: <u>Run title will say alpha calibration. This is wrong. This is Data.</u> | | |

| | | | |
|--|---|-----------------------------|--------------------|
| v. 3.3 Run # <u>341</u> | Date: <u>11/9/14</u> | Start: <u>22:26</u> | Stop: <u>23:41</u> |
| Your Name: <u>Justin</u> | Also on Shift: <input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Bill <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Han <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon | | |
| Built data? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | <input type="checkbox"/> Juan <input checked="" type="checkbox"/> Justin <input type="checkbox"/> Kyle <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input checked="" type="checkbox"/> Suwat <input type="checkbox"/> Zibi <input type="checkbox"/> _____ | | |
| Run Type: <input checked="" type="checkbox"/> Data | Singles: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) <input type="checkbox"/> CRDC <input type="checkbox"/> Junk | | |
| S800 Trigger Box: (1+) <input type="checkbox"/> S800 <input checked="" type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____) <input checked="" type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____) <input checked="" type="checkbox"/> Sec.: _____ | | | |
| HiRA Trigger: <input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl | Beam: <input checked="" type="checkbox"/> 74Kr <input type="checkbox"/> 74Kr degraded <input type="checkbox"/> proton <input type="checkbox"/> _____ | | |
| Target: <input type="checkbox"/> Viewer <input checked="" type="checkbox"/> CH2 100um <input type="checkbox"/> CH2 50um <input type="checkbox"/> out <input type="checkbox"/> Mask <input type="checkbox"/> Au <input type="checkbox"/> Alpha <input type="checkbox"/> Empty | Drive Positions: <u>83</u> mm Target (I251Y-R) <u>70.5</u> mm MCP 0 (US) (I250Y-R) <u>107.5</u> mm MCP 1 (DS) (I250X-R) | | |
| MCP MCP 0 (US): V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | |
| MCP 1 (DS): V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | |
| MCP Voltage on? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | S800 Segment 8 Brho: <u>2.2954</u> | Vacuum: <u>4.3 e-6</u> torr | |
| CAEN Bias? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Comments: <u>Run title will say alpha calibration. This is wrong. This is data.</u> | | |

| | | | |
|--|---|-----------------------|--------------------|
| v. 3.3 Run # <u>342</u> | Date: <u>11/9/14</u> | Start: <u>23:41</u> | Stop: <u>00:41</u> |
| Your Name: <u>Justin</u> | Also on Shift: <input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Bill <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Han <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon | | |
| Built data? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | <input type="checkbox"/> Juan <input checked="" type="checkbox"/> Justin <input type="checkbox"/> Kyle <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input checked="" type="checkbox"/> Suwat <input type="checkbox"/> Zibi <input type="checkbox"/> _____ | | |
| Run Type: <input checked="" type="checkbox"/> Data | Singles: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) <input type="checkbox"/> CRDC <input type="checkbox"/> Junk | | |
| S800 Trigger Box: (1+) <input type="checkbox"/> S800 <input checked="" type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____) <input checked="" type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____) <input checked="" type="checkbox"/> Sec.: _____ | | | |
| HiRA Trigger: <input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl | Beam: <input checked="" type="checkbox"/> 74Kr <input type="checkbox"/> 74Kr degraded <input type="checkbox"/> proton <input type="checkbox"/> _____ | | |
| Target: <input type="checkbox"/> Viewer <input checked="" type="checkbox"/> CH2 100um <input type="checkbox"/> CH2 50um <input type="checkbox"/> out <input type="checkbox"/> Mask <input type="checkbox"/> Au <input type="checkbox"/> Alpha <input type="checkbox"/> Empty | Drive Positions: <u>83</u> mm Target (I251Y-R) <u>70.5</u> mm MCP 0 (US) (I250Y-R) <u>107.5</u> mm MCP 1 (DS) (I250X-R) | | |
| MCP MCP 0 (US): V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | |
| MCP 1 (DS): V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | |
| MCP Voltage on? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | S800 Segment 8 Brho: <u>2.2954</u> | Vacuum: _____ e- torr | |
| CAEN Bias? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Comments: | | |



Busy
 Start
 QDC gate
 Fault clear
 masker

| | | | | | | | |
|-------------------|---|----------------------|--|--------|-------|-------|-------|
| v. 3.3 Run # | 343 | Date: | 11/10/14 | Start: | 00:43 | Stop: | 00:48 |
| Your Name: | Rachel | Also on Shift: | <input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Bill <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Han <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon <input checked="" type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Kyle <input type="checkbox"/> Mingbo <input checked="" type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Zibi | | | | |
| Built data? | <input type="checkbox"/> Yes <input type="checkbox"/> No | | | | | | |
| Run Type: | <input type="checkbox"/> Data | Singles: | <input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP | | | | |
| S800 Trigger Box: | (1+) <input checked="" type="checkbox"/> S800 <input type="checkbox"/> Coin. | Ext.1 | <input type="checkbox"/> pulser <input type="checkbox"/> Ext. 2 <input type="checkbox"/> MCP DS <input type="checkbox"/> Sec.: | | | | |
| HiRA Trigger: | <input checked="" type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl | Beam: | <input checked="" type="checkbox"/> 74Kr <input type="checkbox"/> 74Kr degraded <input type="checkbox"/> proton | | | | |
| Target: | <input type="checkbox"/> Viewer <input checked="" type="checkbox"/> CH2 100um <input type="checkbox"/> CH2 50um <input type="checkbox"/> out <input type="checkbox"/> Mask <input type="checkbox"/> Au <input type="checkbox"/> Alpha <input type="checkbox"/> Empty | Drive Positions: | 83 mm Target (I251Y-R) 70.5 mm MCP 0 (US) (I250Y-R) 107.5 mm MCP 1 (DS) (I250X-R) | | | | |
| MCP MCP 0 (US): | V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | | | | |
| MCP 1 (DS): | V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | | | | |
| MCP Voltage on? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | S800 Segment 8 Brho: | Vacuum: 4.3 e-6 torr | | | | |
| CAEN Bias? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Comments: | CRDC 1 mask | | | | |

| | | | | | | | |
|-------------------|---|----------------------|--|--------|-------|-------|-------|
| v. 3.3 Run # | 344 | Date: | 11/10/14 | Start: | 00:49 | Stop: | 00:54 |
| Your Name: | Rachel | Also on Shift: | <input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Bill <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Han <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon <input checked="" type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Kyle <input type="checkbox"/> Mingbo <input checked="" type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Zibi | | | | |
| Built data? | <input type="checkbox"/> Yes <input type="checkbox"/> No | | | | | | |
| Run Type: | <input type="checkbox"/> Data | Singles: | <input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP | | | | |
| S800 Trigger Box: | (1+) <input checked="" type="checkbox"/> S800 <input type="checkbox"/> Coin. | Ext.1 | <input type="checkbox"/> pulser <input type="checkbox"/> Ext. 2 <input type="checkbox"/> MCP DS <input type="checkbox"/> Sec.: | | | | |
| HiRA Trigger: | <input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl | Beam: | <input checked="" type="checkbox"/> 74Kr <input type="checkbox"/> 74Kr degraded <input type="checkbox"/> proton | | | | |
| Target: | <input type="checkbox"/> Viewer <input checked="" type="checkbox"/> CH2 100um <input type="checkbox"/> CH2 50um <input type="checkbox"/> out <input type="checkbox"/> Mask <input type="checkbox"/> Au <input type="checkbox"/> Alpha <input type="checkbox"/> Empty | Drive Positions: | 83 mm Target (I251Y-R) 70.5 mm MCP 0 (US) (I250Y-R) 107.5 mm MCP 1 (DS) (I250X-R) | | | | |
| MCP MCP 0 (US): | V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | | | | |
| MCP 1 (DS): | V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | | | | |
| MCP Voltage on? | <input type="checkbox"/> Yes <input type="checkbox"/> No | S800 Segment 8 Brho: | Vacuum: _____ e- torr | | | | |
| CAEN Bias? | <input type="checkbox"/> Yes <input type="checkbox"/> No | Comments: | CRDC 2 mask run | | | | |

| | | | | | | | |
|-------------------|---|----------------------|--|--------|-------|-------|-------|
| v. 3.3 Run # | 345 | Date: | 11/10/14 | Start: | 00:55 | Stop: | 00:57 |
| Your Name: | Rachel | Also on Shift: | <input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Bill <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Han <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon <input checked="" type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Kyle <input type="checkbox"/> Mingbo <input checked="" type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Zibi | | | | |
| Built data? | <input type="checkbox"/> Yes <input type="checkbox"/> No | | | | | | |
| Run Type: | <input type="checkbox"/> Data | Singles: | <input type="checkbox"/> HiRA <input checked="" type="checkbox"/> S800 <input type="checkbox"/> MCP | | | | |
| S800 Trigger Box: | (1+) <input checked="" type="checkbox"/> S800 <input type="checkbox"/> Coin. | Ext.1 | <input type="checkbox"/> pulser <input type="checkbox"/> Ext. 2 <input type="checkbox"/> MCP DS <input type="checkbox"/> Sec.: | | | | |
| HiRA Trigger: | <input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl | Beam: | <input type="checkbox"/> 74Kr <input type="checkbox"/> 74Kr degraded <input type="checkbox"/> proton | | | | |
| Target: | <input type="checkbox"/> Viewer <input checked="" type="checkbox"/> CH2 100um <input type="checkbox"/> CH2 50um <input type="checkbox"/> out <input type="checkbox"/> Mask <input type="checkbox"/> Au <input type="checkbox"/> Alpha <input type="checkbox"/> Empty | Drive Positions: | 83 mm Target (I251Y-R) 70.5 mm MCP 0 (US) (I250Y-R) 107.5 mm MCP 1 (DS) (I250X-R) | | | | |
| MCP MCP 0 (US): | V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | | | | |
| MCP 1 (DS): | V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | | | | |
| MCP Voltage on? | <input type="checkbox"/> Yes <input type="checkbox"/> No | S800 Segment 8 Brho: | Vacuum: _____ e- torr | | | | |
| CAEN Bias? | <input type="checkbox"/> Yes <input type="checkbox"/> No | Comments: | S800 Singles Run | | | | |

| | | | | | | | |
|---|---|---|----------|--|-------|---|------|
| v. 3.3 Run # | 346 ²⁷ | Date: | 11/10/17 | Start: | 00:58 | Stop: | 2:06 |
| Your Name: | Rachel | Also on Shift: <input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Bill <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Han <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon | | | | | |
| Built data? | <input type="checkbox"/> Yes <input type="checkbox"/> No | <input checked="" type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Kyle <input type="checkbox"/> Mingbo <input checked="" type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Zibi <input type="checkbox"/> | | | | | |
| Run Type: | <input checked="" type="checkbox"/> Data | Singles: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | | Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | | <input type="checkbox"/> CRDC <input type="checkbox"/> Junk | |
| S800 Trigger Box: | (1+) <input type="checkbox"/> S800 <input checked="" type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____) | <input checked="" type="checkbox"/> Ext. 2 (<input checked="" type="checkbox"/> MCP DS <input type="checkbox"/> _____) | | <input checked="" type="checkbox"/> Sec.: EB+EF | | | |
| HiRA Trigger: | <input checked="" type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl | Beam: | | <input checked="" type="checkbox"/> 74Kr <input type="checkbox"/> 74Kr degraded <input type="checkbox"/> proton <input type="checkbox"/> | | | |
| Target: | <input type="checkbox"/> Viewer <input checked="" type="checkbox"/> CH2 100um <input type="checkbox"/> CH2 50um <input type="checkbox"/> out | <input type="checkbox"/> Mask <input type="checkbox"/> Au <input type="checkbox"/> Alpha <input type="checkbox"/> Empty | | Drive Positions: | | Target (I251Y-R) | |
| MCP MCP 0 (US): | V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | 83 mm | | MCP 0 (US) (I250Y-R) | |
| MCP 1 (DS): | V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | 70.5 mm | | MCP 1 (DS) (I250X-R) | |
| MCP Voltage on? | <input type="checkbox"/> Yes <input type="checkbox"/> No | S800 Segment 8 Brho: | | Vacuum: 4.3 e-6 torr | | | |
| Comments: 346 ended after 5 min by accident. 347 began at 1:04. | | | | | | Data Runs | |

| | | | | | | | |
|-------------------|---|---|----------|--|------|---|------|
| v. 3.4 Run # | 348 | Date: | 11/10/17 | Start: | 2:06 | Stop: | 3:05 |
| Your Name: | Rachel | Also on Shift: <input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Bill <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Han <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon | | | | | |
| Built data? | <input type="checkbox"/> Yes <input type="checkbox"/> No | <input checked="" type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Kyle <input type="checkbox"/> Mingbo <input checked="" type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Zibi <input type="checkbox"/> | | | | | |
| Run Type: | <input checked="" type="checkbox"/> Data | Singles: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | | Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | | <input type="checkbox"/> CRDC <input type="checkbox"/> Junk | |
| S800 Trigger Box: | (1+) <input type="checkbox"/> S800 <input checked="" type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____) | <input checked="" type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____) | | <input checked="" type="checkbox"/> Sec.: _____ | | | |
| HiRA Trigger: | <input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl | Beam: | | <input checked="" type="checkbox"/> 74Kr <input type="checkbox"/> 74Kr degraded <input type="checkbox"/> proton <input type="checkbox"/> | | | |
| Target: | <input type="checkbox"/> Viewer <input checked="" type="checkbox"/> CH2 100um <input type="checkbox"/> CH2 50um <input type="checkbox"/> out | <input type="checkbox"/> Mask <input type="checkbox"/> Au <input type="checkbox"/> Alpha <input type="checkbox"/> Empty | | Drive Positions: | | Target (I251Y-R) | |
| MCP MCP 0 (US): | V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | _____ mm | | MCP 0 (US) (I250Y-R) | |
| MCP 1 (DS): | V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | _____ mm | | MCP 1 (DS) (I250X-R) | |
| MCP Voltage on? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | S800 Segment 8 Brho: | | Vacuum: _____ e- torr | | | |
| CAEN Bias? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Comments: Data Run | | | | | |

| | | | | | | | |
|-------------------|---|---|----------|--|------|---|------|
| v. 3.4 Run # | 349 | Date: | 11/10/17 | Start: | 3:05 | Stop: | 4:00 |
| Your Name: | Rachel | Also on Shift: <input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Bill <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Han <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon | | | | | |
| Built data? | <input type="checkbox"/> Yes <input type="checkbox"/> No | <input checked="" type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Kyle <input type="checkbox"/> Mingbo <input checked="" type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Zibi <input type="checkbox"/> | | | | | |
| Run Type: | <input checked="" type="checkbox"/> Data | Singles: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | | Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | | <input type="checkbox"/> CRDC <input type="checkbox"/> Junk | |
| S800 Trigger Box: | (1+) <input type="checkbox"/> S800 <input checked="" type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____) | <input checked="" type="checkbox"/> Ext. 2 (<input checked="" type="checkbox"/> MCP DS <input type="checkbox"/> _____) | | <input checked="" type="checkbox"/> Sec.: EF+EB | | | |
| HiRA Trigger: | <input checked="" type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl | Beam: | | <input checked="" type="checkbox"/> 74Kr <input type="checkbox"/> 74Kr degraded <input type="checkbox"/> proton <input type="checkbox"/> | | | |
| Target: | <input type="checkbox"/> Viewer <input checked="" type="checkbox"/> CH2 100um <input type="checkbox"/> CH2 50um <input type="checkbox"/> out | <input type="checkbox"/> Mask <input type="checkbox"/> Au <input type="checkbox"/> Alpha <input type="checkbox"/> Empty | | Drive Positions: | | Target (I251Y-R) | |
| MCP MCP 0 (US): | V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | 83 mm | | MCP 0 (US) (I250Y-R) | |
| MCP 1 (DS): | V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | 70.5 mm | | MCP 1 (DS) (I250X-R) | |
| MCP Voltage on? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | S800 Segment 8 Brho: 0.8189 | | Vacuum: 4.3 e-6 torr | | | |
| CAEN Bias? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Comments: Data Run | | | | | |


Scalars (rates) Run 349 @ 3 AM. S800 Source

| XFP.Scint | E1 up | E1 down | Live.triggers | S800.trigger |
|-------------------------|-----------------|---|---------------------------------|--------------|
| ~225k | 5100 | 5100 | 100 | 5100 |
| Csl OR of ORs | EB Or (MB1+MB2) | EF Or (MB1+MB2) | HiRA_live_trigger | |
| 350 | ~900 | ~1050 | 600 | |
| Print Spectd? | | <input type="checkbox"/> Yes | <input type="checkbox"/> No | |
| Check Leakage Currents? | | <input checked="" type="checkbox"/> OK | <input type="checkbox"/> Not OK | |
| Barney Print Out? | | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No | |

| | | | | | | | |
|-------------------|---|---|----------|---|------|---|------|
| v. 3.4 Run # | 350 | Date: | 11/10/14 | Start: | 4:01 | Stop: | 5:03 |
| Your Name: | Rachel | Also on Shift: <input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Bill <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Han <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon | | | | | |
| Built data? | <input type="checkbox"/> Yes <input type="checkbox"/> No | <input checked="" type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Kyle <input type="checkbox"/> Mingbo <input checked="" type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Zibi | | | | | |
| Run Type: | <input checked="" type="checkbox"/> Data | Singles: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | | Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | | <input type="checkbox"/> CRDC <input type="checkbox"/> Junk | |
| S800 Trigger Box: | (1+) <input type="checkbox"/> S800 <input checked="" type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____) | <input checked="" type="checkbox"/> Ext. 2 (<input checked="" type="checkbox"/> MCP DS <input type="checkbox"/> _____) | | <input checked="" type="checkbox"/> Sec.: EB+EF | | | |
| HiRA Trigger: | <input checked="" type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl | Beam: | | <input checked="" type="checkbox"/> 74Kr <input type="checkbox"/> 74Kr degraded <input type="checkbox"/> proton | | | |
| Target: | <input type="checkbox"/> Viewer <input checked="" type="checkbox"/> CH2 100um <input type="checkbox"/> CH2 50um <input type="checkbox"/> out | <input type="checkbox"/> Mask <input type="checkbox"/> Au <input type="checkbox"/> Alpha <input type="checkbox"/> Empty | | Drive Positions: | | Target (I251Y-R) | |
| MCP MCP 0 (US): | V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | 83 mm | | MCP 0 (US) (I250Y-R) | |
| MCP 1 (DS): | V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | 70.5 mm | | MCP 1 (DS) (I250X-R) | |
| MCP Voltage on? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | S800 Segment 8 Brho: | | Vacuum: 4.3 e-6 torr | | | |
| CAEN Bias? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Comments: Data Run | | | | | |

| | | | | | | | |
|-------------------|---|---|----------|--|------|---|------|
| v. 3.4 Run # | 351 | Date: | 11/10/14 | Start: | 5:04 | Stop: | 6:02 |
| Your Name: | Rachel | Also on Shift: <input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Bill <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Han <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon | | | | | |
| Built data? | <input type="checkbox"/> Yes <input type="checkbox"/> No | <input type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Kyle <input type="checkbox"/> Mingbo <input checked="" type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Zibi | | | | | |
| Run Type: | <input checked="" type="checkbox"/> Data | Singles: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | | Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | | <input type="checkbox"/> CRDC <input type="checkbox"/> Junk | |
| S800 Trigger Box: | (1+) <input type="checkbox"/> S800 <input checked="" type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____) | <input checked="" type="checkbox"/> Ext. 2 (<input checked="" type="checkbox"/> MCP DS <input type="checkbox"/> _____) | | <input checked="" type="checkbox"/> Sec.: EF+EB | | | |
| HiRA Trigger: | <input checked="" type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl | Beam: | | <input type="checkbox"/> 74Kr <input type="checkbox"/> 74Kr degraded <input type="checkbox"/> proton | | | |
| Target: | <input type="checkbox"/> Viewer <input checked="" type="checkbox"/> CH2 100um <input type="checkbox"/> CH2 50um <input type="checkbox"/> out | <input type="checkbox"/> Mask <input type="checkbox"/> Au <input type="checkbox"/> Alpha <input type="checkbox"/> Empty | | Drive Positions: | | Target (I251Y-R) | |
| MCP MCP 0 (US): | V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | 83 mm | | MCP 0 (US) (I250Y-R) | |
| MCP 1 (DS): | V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | 70.5 mm | | MCP 1 (DS) (I250X-R) | |
| MCP Voltage on? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | S800 Segment 8 Brho: | | Vacuum: 4.2 e-6 torr | | | |
| CAEN Bias? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Comments: Data run | | | | | |

| | | | | | | | |
|-------------------|---|---|----------|--|------|---|------|
| v. 3.4 Run # | 352 | Date: | 11/10/14 | Start: | 6:02 | Stop: | 7:03 |
| Your Name: | Rachel | Also on Shift: <input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Bill <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Han <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon | | | | | |
| Built data? | <input type="checkbox"/> Yes <input type="checkbox"/> No | <input checked="" type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Kyle <input type="checkbox"/> Mingbo <input checked="" type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Zibi | | | | | |
| Run Type: | <input checked="" type="checkbox"/> Data | Singles: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | | Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | | <input type="checkbox"/> CRDC <input type="checkbox"/> Junk | |
| S800 Trigger Box: | (1+) <input type="checkbox"/> S800 <input checked="" type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____) | <input checked="" type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____) | | <input checked="" type="checkbox"/> Sec.: _____ | | | |
| HiRA Trigger: | <input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl | Beam: | | <input type="checkbox"/> 74Kr <input type="checkbox"/> 74Kr degraded <input type="checkbox"/> proton | | | |
| Target: | <input type="checkbox"/> Viewer <input checked="" type="checkbox"/> CH2 100um <input type="checkbox"/> CH2 50um <input type="checkbox"/> out | <input type="checkbox"/> Mask <input type="checkbox"/> Au <input type="checkbox"/> Alpha <input type="checkbox"/> Empty | | Drive Positions: | | Target (I251Y-R) | |
| MCP MCP 0 (US): | V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | 83 mm | | MCP 0 (US) (I250Y-R) | |
| MCP 1 (DS): | V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | 70.5 mm | | MCP 1 (DS) (I250X-R) | |
| MCP Voltage on? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | S800 Segment 8 Brho: | | Vacuum: _____ e- torr | | | |
| CAEN Bias? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Comments: Data Run. | | | | | |

| | | | | | | | |
|-------------------|--|---|----------|--|------|---|------|
| v. 3.4 Run # | 353-354 | Date: | 11/10/14 | Start: | 7:03 | Stop: | 8:30 |
| Your Name: | Rachel | Also on Shift: <input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Bill <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Han <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon | | | | | |
| Built data? | <input type="checkbox"/> Yes <input type="checkbox"/> No | <input checked="" type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Kyle <input type="checkbox"/> Mingbo <input checked="" type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Zibi <input type="checkbox"/> | | | | | |
| Run Type: | <input checked="" type="checkbox"/> Data | Singles: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | | Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | | <input type="checkbox"/> CRDC <input type="checkbox"/> Junk | |
| S800 Trigger Box: | (1+) <input type="checkbox"/> S800 <input checked="" type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/>) | <input checked="" type="checkbox"/> Ext. 2 (<input checked="" type="checkbox"/> MCP DS <input type="checkbox"/>) | | <input checked="" type="checkbox"/> Sec.: EF+EB | | | |
| HiRA Trigger: | <input checked="" type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl | Beam: | | <input checked="" type="checkbox"/> 74Kr <input type="checkbox"/> 74Kr degraded <input type="checkbox"/> proton <input type="checkbox"/> | | | |
| Target: | <input type="checkbox"/> Viewer <input checked="" type="checkbox"/> CH2 100um <input type="checkbox"/> CH2 50um <input type="checkbox"/> out | <input type="checkbox"/> Mask <input type="checkbox"/> Au <input type="checkbox"/> Alpha <input type="checkbox"/> Empty | | Drive Positions: | | 83 mm Target (I251Y-R) | |
| MCP MCP 0 (US): | V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | 70.5 mm MCP 0 (US) (I250Y-R) | | | |
| MCP 1 (DS): | V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | 107.5 mm MCP 1 (DS) (I250X-R) | | | |
| MCP Voltage on? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | S800 Segment 8 Brho: | | Vacuum: | | 9.0 e-6 torr | |
| CAEN Bias? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Comments: Even more data!  ← It's a data-nado! | | | | | |

Beam physicists are developing ²H beam for CsI calibration

| | | | | | | | |
|-------------------|---|---|----------|---|------|---|-------|
| v. 3.4 Run # | 356 357 | Date: | 11/10/14 | Start: | 8:47 | Stop: | 12:36 |
| Your Name: | Jon | Also on Shift: <input checked="" type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Bill <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Han <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input checked="" type="checkbox"/> Jon | | | | | |
| Built data? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | <input checked="" type="checkbox"/> Juan <input checked="" type="checkbox"/> Justin <input type="checkbox"/> Kyle <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Zibi <input type="checkbox"/> | | | | | |
| Run Type: | <input type="checkbox"/> Data | Singles: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | | Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | | <input type="checkbox"/> CRDC <input type="checkbox"/> Junk | |
| S800 Trigger Box: | (1+) <input type="checkbox"/> S800 <input type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/>) | <input type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/>) | | <input checked="" type="checkbox"/> Sec.: _____ | | | |
| HiRA Trigger: | <input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl | Beam: | | <input type="checkbox"/> 74Kr <input type="checkbox"/> 74Kr degraded <input type="checkbox"/> proton <input type="checkbox"/> | | | |
| Target: | <input type="checkbox"/> Viewer <input type="checkbox"/> CH2 100um <input type="checkbox"/> CH2 50um <input type="checkbox"/> out | <input type="checkbox"/> Mask <input type="checkbox"/> Au <input checked="" type="checkbox"/> Alpha <input type="checkbox"/> Empty | | Drive Positions: | | 237.747 mm Target (I251Y-R) | |
| MCP MCP 0 (US): | V: _____ I: <input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | _____ mm MCP 0 (US) (I250Y-R) | | | |
| MCP 1 (DS): | V: _____ I: <input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | _____ mm MCP 1 (DS) (I250X-R) | | | |
| MCP Voltage on? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | S800 Segment 8 Brho: | | Vacuum: | | _____ e- torr | |
| CAEN Bias? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Comments: alpha run while beam physicists develop proton beam. Run 356 = target drive not disabled | | | | | |

MB1 Back - 10.62 μ A 10/10/14 12:00
 MB2 Back - 13.29 μ A

Attenuators are currently broken, operators are attempting to repair.

| | | | |
|--|--|--|---|
| v. 3.4 Run # <u>358</u> | Date: <u>11/10/14</u> | Start: <u>12:36</u> | Stop: |
| Your Name: <u>Justin</u> | Also on Shift: <input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Bill <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Han <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input checked="" type="checkbox"/> Jon | | |
| Built data? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | <input type="checkbox"/> Juan <input checked="" type="checkbox"/> Justin <input checked="" type="checkbox"/> Kyle <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Zibi <input type="checkbox"/> | | |
| Run Type: <input type="checkbox"/> Data | Singles: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | <input type="checkbox"/> CRDC <input type="checkbox"/> Junk |
| S800 Trigger Box: (1+) <input type="checkbox"/> S800 <input type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____) | <input type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____) | | <input checked="" type="checkbox"/> Sec.: _____ |
| HiRA Trigger: <input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl | Beam: <input type="checkbox"/> 74Kr <input type="checkbox"/> 74Kr degraded <input type="checkbox"/> proton <input type="checkbox"/> | | |
| Target: <input type="checkbox"/> Viewer <input type="checkbox"/> CH2 100um <input type="checkbox"/> CH2 50um <input type="checkbox"/> out | Drive Positions: <u>236.74</u> mm | | Target (I251Y-R) |
| <input type="checkbox"/> Mask <input type="checkbox"/> Au <input checked="" type="checkbox"/> Alpha <input type="checkbox"/> Empty | 70.5 mm | | MCP 0 (US) (I250Y-R) |
| MCP MCP 0 (US): V: _____ I: <input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | 107.5 mm | | MCP 1 (DS) (I250X-R) |
| MCP 1 (DS): V: _____ I: <input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | Vacuum: <u>3.4 e-6</u> torr | | |
| MCP Voltage on? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | S800 Segment 8 Brho: | | |
| CAEN Bias? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Comments: <u>Alpha run</u> | | |

| | | | |
|--|--|---|---|
| v. 3.4 Run # 358 | Date: <u>11/10/14</u> | Start: <u>13:21</u> | Stop: |
| Your Name: <u>Kyle</u> | Also on Shift: <input checked="" type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Bill <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Han <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon | | |
| Built data? <input type="checkbox"/> Yes <input type="checkbox"/> No | <input type="checkbox"/> Juan <input checked="" type="checkbox"/> Justin <input type="checkbox"/> Kyle <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Zibi <input type="checkbox"/> | | |
| Run Type: <input type="checkbox"/> Data | Singles: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | Calib: (<input checked="" type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | <input type="checkbox"/> CRDC <input type="checkbox"/> Junk |
| S800 Trigger Box: (1+) <input type="checkbox"/> S800 <input type="checkbox"/> Coin. <input checked="" type="checkbox"/> Ext.1 (<input checked="" type="checkbox"/> pulser <input type="checkbox"/> _____) | <input type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____) | | <input type="checkbox"/> Sec.: _____ |
| HiRA Trigger: <input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl | Beam: <input type="checkbox"/> 74Kr <input type="checkbox"/> 74Kr degraded <input type="checkbox"/> proton <input type="checkbox"/> | | |
| Target: <input type="checkbox"/> Viewer <input type="checkbox"/> CH2 100um <input type="checkbox"/> CH2 50um <input type="checkbox"/> out | Drive Positions: _____ mm | | Target (I251Y-R) |
| <input type="checkbox"/> Mask <input type="checkbox"/> Au <input type="checkbox"/> Alpha <input type="checkbox"/> Empty | _____ mm | | MCP 0 (US) (I250Y-R) |
| MCP MCP 0 (US): V: _____ I: <input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | _____ mm | | MCP 1 (DS) (I250X-R) |
| MCP 1 (DS): V: _____ I: <input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | Vacuum: _____ e- torr | | |
| MCP Voltage on? <input type="checkbox"/> Yes <input type="checkbox"/> No | S800 Segment 8 Brho: | | |
| CAEN Bias? <input type="checkbox"/> Yes <input type="checkbox"/> No | Comments: <u>26V-0V, 27 steps, 15s/step</u> | | |

Change to low energy proton beam and Au foil

| | | | |
|--|--|---|---|
| v. 3.4 Run # <u>360</u> | Date: <u>11/10/14</u> | Start: <u>15:46</u> | Stop: |
| Your Name: <u>Kyle</u> | Also on Shift: <input checked="" type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Bill <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Han <input type="checkbox"/> Jack <input checked="" type="checkbox"/> Jenny <input checked="" type="checkbox"/> Jon | | |
| Built data? <input type="checkbox"/> Yes <input type="checkbox"/> No | <input type="checkbox"/> Juan <input checked="" type="checkbox"/> Justin <input type="checkbox"/> Kyle <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Zibi <input type="checkbox"/> | | |
| Run Type: <input type="checkbox"/> Data | Singles: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | Calib: (<input checked="" type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | <input type="checkbox"/> CRDC <input type="checkbox"/> Junk |
| S800 Trigger Box: (1+) <input type="checkbox"/> S800 <input type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____) | <input type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____) | | <input checked="" type="checkbox"/> Sec.: _____ |
| HiRA Trigger: <input checked="" type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl | Beam: <input type="checkbox"/> 74Kr <input type="checkbox"/> 74Kr degraded <input checked="" type="checkbox"/> proton <input type="checkbox"/> | | |
| Target: <input type="checkbox"/> Viewer <input type="checkbox"/> CH2 100um <input type="checkbox"/> CH2 50um <input type="checkbox"/> out | Drive Positions: <u>193.5</u> mm | | Target (I251Y-R) |
| <input type="checkbox"/> Mask <input checked="" type="checkbox"/> Au <input type="checkbox"/> Alpha <input type="checkbox"/> Empty | _____ mm | | MCP 0 (US) (I250Y-R) |
| MCP MCP 0 (US): V: _____ I: <input type="checkbox"/> foil <input type="checkbox"/> mask <input checked="" type="checkbox"/> out | _____ mm | | MCP 1 (DS) (I250X-R) |
| MCP 1 (DS): V: _____ I: <input type="checkbox"/> foil <input type="checkbox"/> mask <input checked="" type="checkbox"/> out | Vacuum: _____ e- torr | | |
| MCP Voltage on? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | S800 Segment 8 Brho: | | |
| CAEN Bias? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Comments: <u>1mm gap, <1% momentum</u> <u>low energy proton beam on Au foil</u> | | |

| | | | | | | | |
|-------------------|--|--|----------|---|-------|---|-------|
| v. 3.4 Run # | 361 | Date: | 11/10/14 | Start: | 16:27 | Stop: | 17:42 |
| Your Name: | suwat | Also on Shift: <input checked="" type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Bill <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Han <input type="checkbox"/> Jack <input checked="" type="checkbox"/> Jenny <input type="checkbox"/> Jon | | | | | |
| Built data? | <input type="checkbox"/> Yes <input type="checkbox"/> No | <input type="checkbox"/> Juan <input checked="" type="checkbox"/> Justin <input checked="" type="checkbox"/> Kyle <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input checked="" type="checkbox"/> Suwat <input type="checkbox"/> Zibi <input type="checkbox"/> _____ | | | | | |
| Run Type: | <input type="checkbox"/> Data | Singles: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | | Calib: (<input checked="" type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | | <input type="checkbox"/> CRDC <input type="checkbox"/> Junk | |
| S800 Trigger Box: | (1+) <input type="checkbox"/> S800 <input type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____) | <input type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____) | | <input checked="" type="checkbox"/> Sec.: _____ | | | |
| HiRA Trigger: | <input checked="" type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl | Beam: <input type="checkbox"/> 74Kr <input type="checkbox"/> 74Kr degraded <input checked="" type="checkbox"/> proton <input type="checkbox"/> _____ | | | | | |
| Target: | <input type="checkbox"/> Viewer <input type="checkbox"/> CH2 100um <input type="checkbox"/> CH2 50um <input type="checkbox"/> out | <input type="checkbox"/> Mask <input checked="" type="checkbox"/> Au <input type="checkbox"/> Alpha <input type="checkbox"/> Empty | | Drive Positions: 193.5 mm Target (I251Y-R) | | | |
| MCP MCP 0 (US): | V: _____ I: <input type="checkbox"/> foil <input type="checkbox"/> mask <input checked="" type="checkbox"/> out | _____ mm MCP 0 (US) (I250Y-R) | | _____ mm MCP 1 (DS) (I250X-R) | | | |
| MCP 1 (DS): | V: _____ I: <input type="checkbox"/> foil <input type="checkbox"/> mask <input checked="" type="checkbox"/> out | _____ mm | | _____ mm | | | |
| MCP Voltage on? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | S800 Segment 8 Brho: | | Vacuum: _____ e- torr | | | |
| CAEN Bias? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Comments: | | | | | |

** change to plastic 11 mg/cm²*

| | | | | | | | |
|-------------------|--|--|----------|---|-------|---|--|
| v. 3.4 Run # | 362 | Date: | 11/10/14 | Start: | 17:47 | Stop: | |
| Your Name: | suwat | Also on Shift: <input checked="" type="checkbox"/> Andy <input type="checkbox"/> Ben <input checked="" type="checkbox"/> Bill <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Han <input type="checkbox"/> Jack <input checked="" type="checkbox"/> Jenny <input type="checkbox"/> Jon | | | | | |
| Built data? | <input type="checkbox"/> Yes <input type="checkbox"/> No | <input type="checkbox"/> Juan <input type="checkbox"/> Justin <input checked="" type="checkbox"/> Kyle <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input checked="" type="checkbox"/> Suwat <input type="checkbox"/> Zibi <input type="checkbox"/> _____ | | | | | |
| Run Type: | <input type="checkbox"/> Data | Singles: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | | Calib: (<input checked="" type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | | <input type="checkbox"/> CRDC <input type="checkbox"/> Junk | |
| S800 Trigger Box: | (1+) <input type="checkbox"/> S800 <input type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____) | <input type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____) | | <input checked="" type="checkbox"/> Sec.: _____ | | | |
| HiRA Trigger: | <input checked="" type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl | Beam: <input type="checkbox"/> 74Kr <input type="checkbox"/> 74Kr degraded <input type="checkbox"/> proton <input type="checkbox"/> _____ | | | | | |
| Target: | <input type="checkbox"/> Viewer <input checked="" type="checkbox"/> CH2 100um <input type="checkbox"/> CH2 50um <input type="checkbox"/> out | <input type="checkbox"/> Mask <input type="checkbox"/> Au <input type="checkbox"/> Alpha <input type="checkbox"/> Empty | | Drive Positions: 83 mm Target (I251Y-R) | | | |
| MCP MCP 0 (US): | V: _____ I: <input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | _____ mm MCP 0 (US) (I250Y-R) | | _____ mm MCP 1 (DS) (I250X-R) | | | |
| MCP 1 (DS): | V: _____ I: <input type="checkbox"/> foil <input type="checkbox"/> mask <input checked="" type="checkbox"/> out | _____ mm | | _____ mm | | | |
| MCP Voltage on? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | S800 Segment 8 Brho: | | Vacuum: _____ e- torr | | | |
| CAEN Bias? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Comments: low energy proton beam on 11 mg/cm ² ch2 | | | | | |

| | | | | | | | |
|-------------------|--|---|----------|--|-------|---|--|
| v. 3.4 Run # | 363 | Date: | 11/10/14 | Start: | 19:21 | Stop: | |
| Your Name: | suwat | Also on Shift: <input checked="" type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Bill <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Han <input type="checkbox"/> Jack <input checked="" type="checkbox"/> Jenny <input type="checkbox"/> Jon | | | | | |
| Built data? | <input type="checkbox"/> Yes <input type="checkbox"/> No | <input type="checkbox"/> Juan <input type="checkbox"/> Justin <input checked="" type="checkbox"/> Kyle <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input checked="" type="checkbox"/> Suwat <input type="checkbox"/> Zibi <input type="checkbox"/> _____ | | | | | |
| Run Type: | <input type="checkbox"/> Data | Singles: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | | Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | | <input type="checkbox"/> CRDC <input type="checkbox"/> Junk | |
| S800 Trigger Box: | (1+) <input type="checkbox"/> S800 <input type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____) | <input type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____) | | <input checked="" type="checkbox"/> Sec.: _____ | | | |
| HiRA Trigger: | <input checked="" type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl | Beam: <input type="checkbox"/> 74Kr <input type="checkbox"/> 74Kr degraded <input type="checkbox"/> proton <input type="checkbox"/> _____ | | | | | |
| Target: | <input type="checkbox"/> Viewer <input type="checkbox"/> CH2 100um <input type="checkbox"/> CH2 50um <input type="checkbox"/> out | <input type="checkbox"/> Mask <input type="checkbox"/> Au <input checked="" type="checkbox"/> Alpha <input type="checkbox"/> Empty | | Drive Positions: 236 mm Target (I251Y-R) | | | |
| MCP MCP 0 (US): | V: _____ I: <input type="checkbox"/> foil <input type="checkbox"/> mask <input checked="" type="checkbox"/> out | _____ mm MCP 0 (US) (I250Y-R) | | _____ mm MCP 1 (DS) (I250X-R) | | | |
| MCP 1 (DS): | V: _____ I: <input type="checkbox"/> foil <input type="checkbox"/> mask <input checked="" type="checkbox"/> out | _____ mm | | _____ mm | | | |
| MCP Voltage on? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | S800 Segment 8 Brho: | | Vacuum: _____ e- torr | | | |
| CAEN Bias? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Comments: Alpha | | | | | |

| | | | | | | | |
|-----------------------------|---|---|----------|---|-------|-------------------------------|-------------------------------|
| v. 3.4 Run # | 364 | Date: | 11/10/14 | Start: | 19:34 | Stop: | |
| Your Name: | Suwat | Also on Shift: <input checked="" type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Bill <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Han <input type="checkbox"/> Jack <input checked="" type="checkbox"/> Jenny <input type="checkbox"/> Jon | | | | | |
| Built data? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | <input type="checkbox"/> Juan <input type="checkbox"/> Justin <input checked="" type="checkbox"/> Kyle <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input checked="" type="checkbox"/> Suwat <input type="checkbox"/> Zibi <input type="checkbox"/> | | | | | |
| Run Type: | <input checked="" type="checkbox"/> Data | Singles: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | | Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | | <input type="checkbox"/> CRDC | <input type="checkbox"/> Junk |
| S800 Trigger Box: | (1+) <input type="checkbox"/> S800 <input type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/>) | <input type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/>) | | <input checked="" type="checkbox"/> Sec.: | | | |
| HiRA Trigger: | <input checked="" type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl | Beam: <input type="checkbox"/> 74Kr <input type="checkbox"/> 74Kr degraded <input checked="" type="checkbox"/> proton <input type="checkbox"/> | | | | | |
| Target: | <input type="checkbox"/> Viewer <input type="checkbox"/> CH2 100um <input type="checkbox"/> CH2 50um <input type="checkbox"/> out | <input type="checkbox"/> Mask <input checked="" type="checkbox"/> Au <input type="checkbox"/> Alpha <input type="checkbox"/> Empty | | Drive Positions: | | | |
| MCP MCP 0 (US): | V: _____ I: <input type="checkbox"/> foil <input type="checkbox"/> mask <input checked="" type="checkbox"/> out | | | 193.5 mm | | Target (I251Y-R) | |
| MCP 1 (DS): | V: _____ I: <input type="checkbox"/> foil <input type="checkbox"/> mask <input checked="" type="checkbox"/> out | | | _____ mm | | MCP 0 (US) (I250Y-R) | |
| MCP Voltage on? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | S800 Segment 8 Brho: | | _____ mm | | MCP 1 (DS) (I250X-R) | |
| CAEN Bias? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Comments: | | Vacuum: _____ e- torr | | | |
| high energy beam, Au target | | | | | | | |

* change target to CH₂ 11 mg/cm²

| | | | | | | | |
|-----------------------|---|---|----------|---|-------|-------------------------------|-------------------------------|
| v. 3.4 Run # | 365 | Date: | 11/10/14 | Start: | 20:32 | Stop: | |
| Your Name: | Suwat | Also on Shift: <input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Bill <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Han <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon | | | | | |
| Built data? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | <input type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Kyle <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Zibi <input type="checkbox"/> | | | | | |
| Run Type: | <input checked="" type="checkbox"/> Data | Singles: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | | Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | | <input type="checkbox"/> CRDC | <input type="checkbox"/> Junk |
| S800 Trigger Box: | (1+) <input type="checkbox"/> S800 <input type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/>) | <input type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/>) | | <input checked="" type="checkbox"/> Sec.: | | | |
| HiRA Trigger: | <input checked="" type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl | Beam: <input type="checkbox"/> 74Kr <input type="checkbox"/> 74Kr degraded <input checked="" type="checkbox"/> proton <input type="checkbox"/> | | | | | |
| Target: | <input type="checkbox"/> Viewer <input checked="" type="checkbox"/> CH2 100um <input type="checkbox"/> CH2 50um <input type="checkbox"/> out | <input type="checkbox"/> Mask <input type="checkbox"/> Alpha <input type="checkbox"/> Empty | | Drive Positions: | | | |
| MCP MCP 0 (US): | V: _____ I: <input type="checkbox"/> foil <input type="checkbox"/> mask <input checked="" type="checkbox"/> out | | | 193.5 mm ⁸³ | | Target (I251Y-R) | |
| MCP 1 (DS): | V: _____ I: <input type="checkbox"/> foil <input type="checkbox"/> mask <input checked="" type="checkbox"/> out | | | _____ mm | | MCP 0 (US) (I250Y-R) | |
| MCP Voltage on? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | S800 Segment 8 Brho: | | _____ mm | | MCP 1 (DS) (I250X-R) | |
| CAEN Bias? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Comments: | | Vacuum: _____ e- torr | | | |
| * MCP foil reinserted | | | | | | | |
| * returned 74 Kr beam | | | | | | | |

| | | | | | | | |
|-------------------|---|---|----------|--|-------|-------------------------------|-------------------------------|
| v. 3.4 Run # | 366 | Date: | 11/10/14 | Start: | 23:41 | Stop: | 00:43 |
| Your Name: | Swat | Also on Shift: <input checked="" type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Bill <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Han <input type="checkbox"/> Jack <input checked="" type="checkbox"/> Jenny <input type="checkbox"/> Jon | | | | | |
| Built data? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | <input checked="" type="checkbox"/> Juan <input type="checkbox"/> Justin <input checked="" type="checkbox"/> Kyle <input type="checkbox"/> Mingbo <input checked="" type="checkbox"/> Rachel <input type="checkbox"/> Sean <input checked="" type="checkbox"/> Suwat <input type="checkbox"/> Zibi <input type="checkbox"/> | | | | | |
| Run Type: | <input checked="" type="checkbox"/> Data | Singles: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | | Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | | <input type="checkbox"/> CRDC | <input type="checkbox"/> Junk |
| S800 Trigger Box: | (1+) <input type="checkbox"/> S800 <input checked="" type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____) | <input checked="" type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____) | | <input checked="" type="checkbox"/> Sec.: _____ | | | |
| HiRA Trigger: | <input checked="" type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl | Beam: <input checked="" type="checkbox"/> 74Kr <input type="checkbox"/> 74Kr degraded <input type="checkbox"/> proton <input type="checkbox"/> | | | | | |
| Target: | <input type="checkbox"/> Viewer <input checked="" type="checkbox"/> CH2 100um <input type="checkbox"/> CH2 50um <input type="checkbox"/> out | Drive Positions: | | 83 mm Target (I251Y-R) | | | |
| | <input type="checkbox"/> Mask <input type="checkbox"/> Au <input type="checkbox"/> Alpha <input type="checkbox"/> Empty | | | 70.5 mm MCP 0 (US) (I250Y-R) | | | |
| MCP MCP 0 (US): | V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | 107.5 mm MCP 1 (DS) (I250X-R) | | | |
| MCP 1 (DS): | V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | | | | |
| MCP Voltage on? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | S800 Segment 8 Brho: | | Vacuum: 3.8 e-6 torr | | | |
| CAEN Bias? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Comments: Data Run. | | | | | |

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|-------------------|---|---|----------|--|-------|-------------------------------|-------------------------------|
| v. 3.4 Run # | 367 | Date: | 11/11/14 | Start: | 00:43 | Stop: | 1:40 |
| Your Name: | Rachel | Also on Shift: <input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Bill <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Han <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon | | | | | |
| Built data? | <input type="checkbox"/> Yes <input type="checkbox"/> No | <input checked="" type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Kyle <input type="checkbox"/> Mingbo <input checked="" type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Zibi <input type="checkbox"/> | | | | | |
| Run Type: | <input checked="" type="checkbox"/> Data | Singles: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | | Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | | <input type="checkbox"/> CRDC | <input type="checkbox"/> Junk |
| S800 Trigger Box: | (1+) <input type="checkbox"/> S800 <input checked="" type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____) | <input checked="" type="checkbox"/> Ext. 2 (<input checked="" type="checkbox"/> MCP DS <input type="checkbox"/> _____) | | <input checked="" type="checkbox"/> Sec.: DS 10 | | | |
| HiRA Trigger: | <input checked="" type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl | Beam: <input checked="" type="checkbox"/> 74Kr <input type="checkbox"/> 74Kr degraded <input type="checkbox"/> proton <input type="checkbox"/> | | | | | |
| Target: | <input type="checkbox"/> Viewer <input checked="" type="checkbox"/> CH2 100um <input type="checkbox"/> CH2 50um <input type="checkbox"/> out | Drive Positions: | | 83 mm Target (I251Y-R) | | | |
| | <input type="checkbox"/> Mask <input type="checkbox"/> Au <input type="checkbox"/> Alpha <input type="checkbox"/> Empty | | | 70.5 mm MCP 0 (US) (I250Y-R) | | | |
| MCP MCP 0 (US): | V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | 107.5 mm MCP 1 (DS) (I250X-R) | | | |
| MCP 1 (DS): | V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | | | | |
| MCP Voltage on? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | S800 Segment 8 Brho: | | Vacuum: e- torr | | | |
| CAEN Bias? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Comments: Data. End run to change foil. | | | | | |

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|-------------------|--|---|----------|---|------|-------------------------------|-------------------------------|
| v. 3.4 Run # | 368 | Date: | 11/11/14 | Start: | 1:48 | Stop: | |
| Your Name: | Rachel | Also on Shift: <input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Bill <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Han <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon | | | | | |
| Built data? | <input type="checkbox"/> Yes <input type="checkbox"/> No | <input checked="" type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Kyle <input type="checkbox"/> Mingbo <input checked="" type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Zibi <input type="checkbox"/> | | | | | |
| Run Type: | <input type="checkbox"/> Data | Singles: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | | Calib: (<input checked="" type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | | <input type="checkbox"/> CRDC | <input type="checkbox"/> Junk |
| S800 Trigger Box: | (1+) <input type="checkbox"/> S800 <input type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____) | <input type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____) | | <input checked="" type="checkbox"/> Sec.: DS 1 | | | |
| HiRA Trigger: | <input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl | Beam: <input type="checkbox"/> 74Kr <input type="checkbox"/> 74Kr degraded <input type="checkbox"/> proton <input type="checkbox"/> | | | | | |
| Target: | <input type="checkbox"/> Viewer <input type="checkbox"/> CH2 100um <input type="checkbox"/> CH2 50um <input type="checkbox"/> out | Drive Positions: | | 236 mm Target (I251Y-R) | | | |
| | <input type="checkbox"/> Mask <input type="checkbox"/> Au <input checked="" type="checkbox"/> Alpha <input type="checkbox"/> Empty | | | mm MCP 0 (US) (I250Y-R) | | | |
| MCP MCP 0 (US): | V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | mm MCP 1 (DS) (I250X-R) | | | |
| MCP 1 (DS): | V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | | | | |
| MCP Voltage on? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | S800 Segment 8 Brho: | | Vacuum: e- torr | | | |
| CAEN Bias? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Comments: Alphas during foil change. | | | | | |

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|-------------------|--|---|----------|--|-------|---|-------|
| v. 3.4 Run # | 369 | Date: | 11/11/14 | Start: | 02:07 | Stop: | 03:07 |
| Your Name: | Rachel | Also on Shift: <input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Bill <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Han <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon | | | | | |
| Built data? | <input type="checkbox"/> Yes <input type="checkbox"/> No | <input checked="" type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Kyle <input type="checkbox"/> Mingbo <input checked="" type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Zibi <input type="checkbox"/> _____ | | | | | |
| Run Type: | <input checked="" type="checkbox"/> Data | Singles: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | | Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | | <input type="checkbox"/> CRDC <input type="checkbox"/> Junk | |
| S800 Trigger Box: | (1+) <input type="checkbox"/> S800 <input checked="" type="checkbox"/> Coin. | <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____) | | <input checked="" type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____) | | <input checked="" type="checkbox"/> Sec.: DS 10 | |
| HiRA Trigger: | <input checked="" type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl | Beam: <input checked="" type="checkbox"/> 74Kr <input type="checkbox"/> 74Kr degraded <input type="checkbox"/> proton <input type="checkbox"/> _____ | | | | | |
| Target: | <input type="checkbox"/> Viewer <input checked="" type="checkbox"/> CH2 100um <input type="checkbox"/> CH2 50um <input type="checkbox"/> out | Drive Positions: | | 83 mm | | Target (I251Y-R) | |
| | <input type="checkbox"/> Mask <input type="checkbox"/> Au <input type="checkbox"/> Alpha <input type="checkbox"/> Empty | | | 70.5 mm | | MCP 0 (US) (I250Y-R) | |
| MCP MCP 0 (US): | V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | 107.5 mm | | MCP 1 (DS) (I250X-R) | |
| MCP 1 (DS): | V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | | | | |
| MCP Voltage on? | <input type="checkbox"/> Yes <input type="checkbox"/> No | S800 Segment 8 Brho: | | Vacuum: | | e- torr | |
| CAEN Bias? | <input type="checkbox"/> Yes <input type="checkbox"/> No | Comments: Back to data-taking | | | | | |

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|-------------------|--|---|----------|--|-------|---|-------|
| v. 3.4 Run # | 370 | Date: | 11/11/14 | Start: | 03:08 | Stop: | 04:08 |
| Your Name: | Rachel | Also on Shift: <input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Bill <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Han <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon | | | | | |
| Built data? | <input type="checkbox"/> Yes <input type="checkbox"/> No | <input checked="" type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Kyle <input type="checkbox"/> Mingbo <input checked="" type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Zibi <input type="checkbox"/> _____ | | | | | |
| Run Type: | <input checked="" type="checkbox"/> Data | Singles: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | | Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | | <input type="checkbox"/> CRDC <input type="checkbox"/> Junk | |
| S800 Trigger Box: | (1+) <input type="checkbox"/> S800 <input checked="" type="checkbox"/> Coin. | <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____) | | <input checked="" type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____) | | <input checked="" type="checkbox"/> Sec.: _____ | |
| HiRA Trigger: | <input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl | Beam: <input type="checkbox"/> 74Kr <input type="checkbox"/> 74Kr degraded <input type="checkbox"/> proton <input type="checkbox"/> _____ | | | | | |
| Target: | <input type="checkbox"/> Viewer <input checked="" type="checkbox"/> CH2 100um <input type="checkbox"/> CH2 50um <input type="checkbox"/> out | Drive Positions: | | 83 mm | | Target (I251Y-R) | |
| | <input type="checkbox"/> Mask <input type="checkbox"/> Au <input type="checkbox"/> Alpha <input type="checkbox"/> Empty | | | 70.3 mm | | MCP 0 (US) (I250Y-R) | |
| MCP MCP 0 (US): | V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | 107.3 mm | | MCP 1 (DS) (I250X-R) | |
| MCP 1 (DS): | V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | | | | |
| MCP Voltage on? | <input type="checkbox"/> Yes <input type="checkbox"/> No | S800 Segment 8 Brho: 0.819 | | Vacuum: | | 3.8 e- torr | |
| CAEN Bias? | <input type="checkbox"/> Yes <input type="checkbox"/> No | Comments: Data run | | | | | |

| | | | | | | | |
|-------------------|--|---|--|--|-------|--|------|
| v. 3.4 Run # | 371 | Date: | | Start: | 04:12 | Stop: | 4:17 |
| Your Name: | Rachel | Also on Shift: <input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Bill <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Han <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon | | | | | |
| Built data? | <input type="checkbox"/> Yes <input type="checkbox"/> No | <input checked="" type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Kyle <input type="checkbox"/> Mingbo <input checked="" type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Zibi <input type="checkbox"/> _____ | | | | | |
| Run Type: | <input type="checkbox"/> Data | Singles: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | | Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | | <input checked="" type="checkbox"/> CRDC <input type="checkbox"/> Junk | |
| S800 Trigger Box: | (1+) <input checked="" type="checkbox"/> S800 <input type="checkbox"/> Coin. | <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____) | | <input type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____) | | <input type="checkbox"/> Sec.: _____ | |
| HiRA Trigger: | <input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl | Beam: <input checked="" type="checkbox"/> 74Kr <input type="checkbox"/> 74Kr degraded <input type="checkbox"/> proton <input type="checkbox"/> _____ | | | | | |
| Target: | <input type="checkbox"/> Viewer <input checked="" type="checkbox"/> CH2 100um <input type="checkbox"/> CH2 50um <input type="checkbox"/> out | Drive Positions: | | 83 mm | | Target (I251Y-R) | |
| | <input type="checkbox"/> Mask <input type="checkbox"/> Au <input type="checkbox"/> Alpha <input type="checkbox"/> Empty | | | 70.5 mm | | MCP 0 (US) (I250Y-R) | |
| MCP MCP 0 (US): | V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | 107.5 mm | | MCP 1 (DS) (I250X-R) | |
| MCP 1 (DS): | V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | | | | |
| MCP Voltage on? | <input type="checkbox"/> Yes <input type="checkbox"/> No | S800 Segment 8 Brho: | | Vacuum: | | e- torr | |
| CAEN Bias? | <input type="checkbox"/> Yes <input type="checkbox"/> No | Comments: CRDC 1 mask run upstream | | | | | |

| | | | | | | | |
|-------------------|--|--|--|-----------------------------------|---|---|-------------------------------|
| v. 3.4 Run # | 372 | Date: | 11/11/14 | Start: | 04:18 | Stop: | 4:23 |
| Your Name: | Rachel | Also on Shift: | <input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Bill <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Han <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon <input checked="" type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Kyle <input type="checkbox"/> Mingbo <input checked="" type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Zibi | | | | |
| Built data? | <input type="checkbox"/> Yes <input type="checkbox"/> No | | | | | | |
| Run Type: | <input type="checkbox"/> Data | Singles: (| <input type="checkbox"/> HIRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | Calib: (| <input type="checkbox"/> HIRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | <input checked="" type="checkbox"/> CRDC2 | <input type="checkbox"/> Junk |
| S800 Trigger Box: | (1+) <input checked="" type="checkbox"/> S800 <input type="checkbox"/> Coin. | <input type="checkbox"/> Ext.1 (| <input type="checkbox"/> pulser | <input type="checkbox"/> Ext. 2 (| <input type="checkbox"/> MCP DS | <input type="checkbox"/> Sec.: | |
| HiRA Trigger: | <input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl | Beam: <input type="checkbox"/> 74Kr <input type="checkbox"/> 74Kr degraded <input type="checkbox"/> proton | | | | | |
| Target: | <input type="checkbox"/> Viewer <input checked="" type="checkbox"/> CH2 100um <input type="checkbox"/> CH2 50um <input type="checkbox"/> out | Drive Positions: | | | | | |
| | <input type="checkbox"/> Mask <input type="checkbox"/> Au <input type="checkbox"/> Alpha <input type="checkbox"/> Empty | | | | | | |
| MCP MCP 0 (US): | V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | | | | |
| MCP 1 (DS): | V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | | | | |
| MCP Voltage on? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | S800 Segment 8 Brho: | Vacuum: _____ e- torr | | | | |
| CAEN Bias? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Comments: CRDC: 2 mask run | | | | | |

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|-------------------|--|--|--|-----------------------------------|---|--------------------------------|-------------------------------|
| v. 3.4 Run # | 373 | Date: | 11/11/14 | Start: | 4:23 | Stop: | 4:24 |
| Your Name: | Rachel | Also on Shift: | <input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Bill <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Han <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon <input checked="" type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Kyle <input type="checkbox"/> Mingbo <input checked="" type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Zibi | | | | |
| Built data? | <input type="checkbox"/> Yes <input type="checkbox"/> No | | | | | | |
| Run Type: | <input type="checkbox"/> Data | Singles: (| <input type="checkbox"/> HIRA <input checked="" type="checkbox"/> S800 <input type="checkbox"/> MCP) | Calib: (| <input type="checkbox"/> HIRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | <input type="checkbox"/> CRDC | <input type="checkbox"/> Junk |
| S800 Trigger Box: | (1+) <input checked="" type="checkbox"/> S800 <input type="checkbox"/> Coin. | <input type="checkbox"/> Ext.1 (| <input type="checkbox"/> pulser | <input type="checkbox"/> Ext. 2 (| <input type="checkbox"/> MCP DS | <input type="checkbox"/> Sec.: | |
| HiRA Trigger: | <input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl | Beam: <input type="checkbox"/> 74Kr <input type="checkbox"/> 74Kr degraded <input type="checkbox"/> proton | | | | | |
| Target: | <input type="checkbox"/> Viewer <input checked="" type="checkbox"/> CH2 100um <input type="checkbox"/> CH2 50um <input type="checkbox"/> out | Drive Positions: | | | | | |
| | <input type="checkbox"/> Mask <input type="checkbox"/> Au <input type="checkbox"/> Alpha <input type="checkbox"/> Empty | | | | | | |
| MCP MCP 0 (US): | V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | | | | |
| MCP 1 (DS): | V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | | | | |
| MCP Voltage on? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | S800 Segment 8 Brho: | Vacuum: _____ e- torr | | | | |
| CAEN Bias? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Comments: S.800 Singles | | | | | |

| | | | | | | | |
|-------------------|--|--|--|--|---|---|-------------------------------|
| v. 3.4 Run # | 374 | Date: | 11/11/14 | Start: | 04:24 | Stop: | 5:25 |
| Your Name: | Rachel | Also on Shift: | <input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Bill <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Han <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon <input checked="" type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Kyle <input type="checkbox"/> Mingbo <input checked="" type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Zibi | | | | |
| Built data? | <input type="checkbox"/> Yes <input type="checkbox"/> No | | | | | | |
| Run Type: | <input checked="" type="checkbox"/> Data | Singles: (| <input type="checkbox"/> HIRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | Calib: (| <input type="checkbox"/> HIRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | <input type="checkbox"/> CRDC | <input type="checkbox"/> Junk |
| S800 Trigger Box: | (1+) <input type="checkbox"/> S800 <input checked="" type="checkbox"/> Coin. | <input type="checkbox"/> Ext.1 (| <input type="checkbox"/> pulser | <input checked="" type="checkbox"/> Ext. 2 (| <input type="checkbox"/> MCP DS | <input checked="" type="checkbox"/> Sec.: | |
| HiRA Trigger: | <input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl | Beam: <input type="checkbox"/> 74Kr <input type="checkbox"/> 74Kr degraded <input type="checkbox"/> proton | | | | | |
| Target: | <input type="checkbox"/> Viewer <input checked="" type="checkbox"/> CH2 100um <input type="checkbox"/> CH2 50um <input type="checkbox"/> out | Drive Positions: | | | | | |
| | <input type="checkbox"/> Mask <input type="checkbox"/> Au <input type="checkbox"/> Alpha <input type="checkbox"/> Empty | | | | | | |
| MCP MCP 0 (US): | V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | | | | |
| MCP 1 (DS): | V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | | | | |
| MCP Voltage on? | <input type="checkbox"/> Yes <input type="checkbox"/> No | S800 Segment 8 Brho: | Vacuum: _____ e- torr | | | | |
| CAEN Bias? | <input type="checkbox"/> Yes <input type="checkbox"/> No | Comments: Data Run | | | | | |

Scalers (rates) Run 374 S800 source

| XFP.Scint | E1 up | E1 down | Live.triggers | S800.trigger |
|-------------------------|-----------------|---|---------------------------------|--------------|
| 380k | 5400 | 5400 | 100 | 5300 |
| Csl OR of ORs | EB Or (MB1+MB2) | EF Or (MB1+MB2) | HiRA_live_trigger | |
| 350 | 800 | 1100 | 600 | |
| Print SpecTd? | | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No | |
| Check Leakage Currents? | | <input checked="" type="checkbox"/> OK | <input type="checkbox"/> Not OK | |
| Barney Print Out? | | <input type="checkbox"/> Yes | <input type="checkbox"/> No | |

| | | | |
|--|---|-----------------------------|-------------------|
| v. 3.4 Run # <u>375</u> | Date: <u>11/11/14</u> | Start: <u>5:26</u> | Stop: <u>6:25</u> |
| Your Name: <u>Rachel</u> | Also on Shift: <input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Bill <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Han <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon | | |
| Built data? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | <input checked="" type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Kyle <input type="checkbox"/> Mingbo <input checked="" type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Zibi <input type="checkbox"/> _____ | | |
| Run Type: <input checked="" type="checkbox"/> Data | Singles: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) <input type="checkbox"/> CRDC <input type="checkbox"/> Junk | | |
| S800 Trigger Box: (1+) <input type="checkbox"/> S800 <input checked="" type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____) <input checked="" type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____) <input checked="" type="checkbox"/> Sec.: _____ | | | |
| HiRA Trigger: <input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl | Beam: <input type="checkbox"/> 74Kr <input type="checkbox"/> 74Kr degraded <input type="checkbox"/> proton <input type="checkbox"/> _____ | | |
| Target: <input type="checkbox"/> Viewer <input checked="" type="checkbox"/> CH2 100um <input type="checkbox"/> CH2 50um <input type="checkbox"/> out <input type="checkbox"/> Mask <input type="checkbox"/> Au <input type="checkbox"/> Alpha <input type="checkbox"/> Empty | Drive Positions: <u>83</u> mm Target (I251Y-R) <u>70.5</u> mm MCP 0 (US) (I250Y-R) <u>107.5</u> mm MCP 1 (DS) (I250X-R) | | |
| MCP MCP 0 (US): V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | |
| MCP 1 (DS): V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | |
| MCP Voltage on? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | S800 Segment 8 Brho: _____ | Vacuum: <u>3.8 e-6</u> torr | |
| CAEN Bias? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Comments: <u>Data Run.</u> | | |

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|--|---|-----------------------|-------------------|
| v. 3.4 Run # <u>376</u> | Date: <u>11/11/14</u> | Start: <u>6:25</u> | Stop: <u>7:25</u> |
| Your Name: <u>Rachel</u> | Also on Shift: <input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Bill <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Han <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon | | |
| Built data? <input type="checkbox"/> Yes <input type="checkbox"/> No | <input checked="" type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Kyle <input type="checkbox"/> Mingbo <input checked="" type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Zibi <input type="checkbox"/> _____ | | |
| Run Type: <input checked="" type="checkbox"/> Data | Singles: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) <input type="checkbox"/> CRDC <input type="checkbox"/> Junk | | |
| S800 Trigger Box: (1+) <input type="checkbox"/> S800 <input checked="" type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____) <input checked="" type="checkbox"/> Ext. 2 (<input checked="" type="checkbox"/> MCP DS <input type="checkbox"/> _____) <input checked="" type="checkbox"/> Sec.: <u>DS 10</u> | | | |
| HiRA Trigger: <input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl | Beam: <input type="checkbox"/> 74Kr <input type="checkbox"/> 74Kr degraded <input type="checkbox"/> proton <input type="checkbox"/> _____ | | |
| Target: <input type="checkbox"/> Viewer <input checked="" type="checkbox"/> CH2 100um <input type="checkbox"/> CH2 50um <input type="checkbox"/> out <input type="checkbox"/> Mask <input type="checkbox"/> Au <input type="checkbox"/> Alpha <input type="checkbox"/> Empty | Drive Positions: <u>83</u> mm Target (I251Y-R) <u>70.5</u> mm MCP 0 (US) (I250Y-R) <u>107.5</u> mm MCP 1 (DS) (I250X-R) | | |
| MCP MCP 0 (US): V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | |
| MCP 1 (DS): V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | |
| MCP Voltage on? <input type="checkbox"/> Yes <input type="checkbox"/> No | S800 Segment 8 Brho: _____ | Vacuum: _____ e- torr | |
| CAEN Bias? <input type="checkbox"/> Yes <input type="checkbox"/> No | Comments: _____ | | |

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|--|---|-----------------------------|-------------------|
| v. 3.4 Run # <u>377</u> | Date: <u>11/11/14</u> | Start: <u>7:25</u> | Stop: <u>8:26</u> |
| Your Name: <u>Rachel</u> | Also on Shift: <input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Bill <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Han <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon | | |
| Built data? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | <input checked="" type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Kyle <input type="checkbox"/> Mingbo <input checked="" type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Zibi <input type="checkbox"/> _____ | | |
| Run Type: <input checked="" type="checkbox"/> Data | Singles: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) <input type="checkbox"/> CRDC <input type="checkbox"/> Junk | | |
| S800 Trigger Box: (1+) <input type="checkbox"/> S800 <input checked="" type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____) <input checked="" type="checkbox"/> Ext. 2 (<input checked="" type="checkbox"/> MCP DS <input type="checkbox"/> _____) <input checked="" type="checkbox"/> Sec.: <u>DS 10</u> | | | |
| HiRA Trigger: <input checked="" type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl | Beam: <input checked="" type="checkbox"/> 74Kr <input type="checkbox"/> 74Kr degraded <input type="checkbox"/> proton <input type="checkbox"/> _____ | | |
| Target: <input type="checkbox"/> Viewer <input checked="" type="checkbox"/> CH2 100um <input type="checkbox"/> CH2 50um <input type="checkbox"/> out <input type="checkbox"/> Mask <input type="checkbox"/> Au <input type="checkbox"/> Alpha <input type="checkbox"/> Empty | Drive Positions: <u>83</u> mm Target (I251Y-R) <u>70.5</u> mm MCP 0 (US) (I250Y-R) <u>107.5</u> mm MCP 1 (DS) (I250X-R) | | |
| MCP MCP 0 (US): V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | |
| MCP 1 (DS): V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | |
| MCP Voltage on? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | S800 Segment 8 Brho: _____ | Vacuum: <u>3.8 e-6</u> torr | |
| CAEN Bias? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Comments: _____ | | |

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|---|--|-----------------------------|-------------------|
| v. 3.4 Run # <u>378</u> | Date: <u>11/11/14</u> | Start: <u>8:27</u> | Stop: <u>9:27</u> |
| Your Name: <u>Jon</u> | Also on Shift: <input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Bill <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Han <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input checked="" type="checkbox"/> Jon | | |
| Built data? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | <input type="checkbox"/> Juan <input checked="" type="checkbox"/> Justin <input type="checkbox"/> Kyle <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Zibi <input type="checkbox"/> _____ | | |
| Run Type: <input checked="" type="checkbox"/> Data | Singles: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) <input type="checkbox"/> CRDC <input type="checkbox"/> Junk | | |
| S800 Trigger Box: (1+) <input type="checkbox"/> S800 <input checked="" type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____) <input checked="" type="checkbox"/> Ext. 2 (<input checked="" type="checkbox"/> MCP DS <input type="checkbox"/> _____) <input checked="" type="checkbox"/> Sec.: <u>DS10</u> | | | |
| HiRA Trigger: <input checked="" type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl | Beam: <input checked="" type="checkbox"/> 74Kr <input type="checkbox"/> 74Kr degraded <input type="checkbox"/> proton <input type="checkbox"/> _____ | | |
| Target: <input type="checkbox"/> Viewer <input checked="" type="checkbox"/> CH2 100um <input type="checkbox"/> CH2 50um <input type="checkbox"/> out | Drive Positions: <u>83</u> mm Target (I251Y-R) | | |
| <input type="checkbox"/> Mask <input type="checkbox"/> Au <input type="checkbox"/> Alpha <input type="checkbox"/> Empty | <u>70.5</u> mm MCP 0 (US) (I250Y-R) | | |
| MCP MCP 0 (US): V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | <u>107.5</u> mm MCP 1 (DS) (I250X-R) | | |
| MCP 1 (DS): V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | |
| MCP Voltage on? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | S800 Segment 8 Brho: | Vacuum: <u>3.7</u> e-6 torr | |
| CAEN Bias? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Comments: | | |

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|--|--|-----------------------------|--------------------|
| v. 3.4 Run # <u>379</u> | Date: <u>11/11/14</u> | Start: <u>9:27</u> | Stop: <u>10:27</u> |
| Your Name: <u>Jon</u> | Also on Shift: <input type="checkbox"/> Andy <input type="checkbox"/> Ben <input checked="" type="checkbox"/> Bill <input type="checkbox"/> Cole <input checked="" type="checkbox"/> Corinne <input type="checkbox"/> Han <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input checked="" type="checkbox"/> Jon | | |
| Built data? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | <input type="checkbox"/> Juan <input checked="" type="checkbox"/> Justin <input type="checkbox"/> Kyle <input checked="" type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Zibi <input type="checkbox"/> _____ | | |
| Run Type: <input checked="" type="checkbox"/> Data | Singles: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) <input type="checkbox"/> CRDC <input type="checkbox"/> Junk | | |
| S800 Trigger Box: (1+) <input type="checkbox"/> S800 <input checked="" type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____) <input checked="" type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____) <input checked="" type="checkbox"/> Sec.: <u>DS10</u> | | | |
| HiRA Trigger: <input checked="" type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl | Beam: <input checked="" type="checkbox"/> 74Kr <input type="checkbox"/> 74Kr degraded <input type="checkbox"/> proton <input type="checkbox"/> _____ | | |
| Target: <input type="checkbox"/> Viewer <input checked="" type="checkbox"/> CH2 100um <input type="checkbox"/> CH2 50um <input type="checkbox"/> out | Drive Positions: <u>83</u> mm Target (I251Y-R) | | |
| <input type="checkbox"/> Mask <input type="checkbox"/> Au <input type="checkbox"/> Alpha <input type="checkbox"/> Empty | <u>70.5</u> mm MCP 0 (US) (I250Y-R) | | |
| MCP MCP 0 (US): V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | <u>107.5</u> mm MCP 1 (DS) (I250X-R) | | |
| MCP 1 (DS): V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | |
| MCP Voltage on? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | S800 Segment 8 Brho: | Vacuum: <u>3.8</u> e-6 torr | |
| CAEN Bias? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Comments: | | |

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|---|--|-----------------------------|--------------------|
| v. 3.4 Run # <u>380</u> | Date: <u>11/11/14</u> | Start: <u>10:27</u> | Stop: <u>11:28</u> |
| Your Name: <u>Jon</u> | Also on Shift: <input checked="" type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Bill <input type="checkbox"/> Cole <input checked="" type="checkbox"/> Corinne <input type="checkbox"/> Han <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input checked="" type="checkbox"/> Jon | | |
| Built data? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | <input checked="" type="checkbox"/> Juan <input checked="" type="checkbox"/> Justin <input type="checkbox"/> Kyle <input checked="" type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Zibi <input type="checkbox"/> _____ | | |
| Run Type: <input checked="" type="checkbox"/> Data | Singles: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) <input type="checkbox"/> CRDC <input type="checkbox"/> Junk | | |
| S800 Trigger Box: (1+) <input type="checkbox"/> S800 <input checked="" type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____) <input type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____) <input checked="" type="checkbox"/> Sec.: <u>DS10</u> | | | |
| HiRA Trigger: <input checked="" type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl | Beam: <input checked="" type="checkbox"/> 74Kr <input type="checkbox"/> 74Kr degraded <input type="checkbox"/> proton <input type="checkbox"/> _____ | | |
| Target: <input type="checkbox"/> Viewer <input checked="" type="checkbox"/> CH2 100um <input type="checkbox"/> CH2 50um <input type="checkbox"/> out | Drive Positions: <u>83</u> mm Target (I251Y-R) | | |
| <input type="checkbox"/> Mask <input type="checkbox"/> Au <input type="checkbox"/> Alpha <input type="checkbox"/> Empty | 70.5 mm MCP 0 (US) (I250Y-R) | | |
| MCP MCP 0 (US): V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | <u>107.5</u> mm MCP 1 (DS) (I250X-R) | | |
| MCP 1 (DS): V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | |
| MCP Voltage on? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | S800 Segment 8 Brho: | Vacuum: <u>3.7</u> e-6 torr | |
| CAEN Bias? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Comments: | | |

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|-------------------|---|--|----------|--|-------|---|-------|
| v. 3.4 Run # | 381 | Date: | 11/11/14 | Start: | 11:28 | Stop: | 12:28 |
| Your Name: | Jon | Also on Shift: <input checked="" type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Bill <input type="checkbox"/> Cole <input checked="" type="checkbox"/> Corinne <input type="checkbox"/> Han <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input checked="" type="checkbox"/> Jon | | | | | |
| Built data? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | <input type="checkbox"/> Juan <input checked="" type="checkbox"/> Justin <input checked="" type="checkbox"/> Kyle <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Zibi <input type="checkbox"/> | | | | | |
| Run Type: | <input checked="" type="checkbox"/> Data | Singles: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | | Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | | <input type="checkbox"/> CRDC <input type="checkbox"/> Junk | |
| S800 Trigger Box: | (1+) <input type="checkbox"/> S800 <input checked="" type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____) | <input checked="" type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____) | | <input checked="" type="checkbox"/> Sec.: DS10 | | | |
| HiRA Trigger: | <input checked="" type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl | Beam: | | <input checked="" type="checkbox"/> 74Kr <input type="checkbox"/> 74Kr degraded <input type="checkbox"/> proton <input type="checkbox"/> | | | |
| Target: | <input type="checkbox"/> Viewer <input checked="" type="checkbox"/> CH2 100um <input type="checkbox"/> CH2 50um <input type="checkbox"/> out | Drive Positions: | | 83 mm | | Target (I251Y-R) | |
| | <input type="checkbox"/> Mask <input type="checkbox"/> Au <input type="checkbox"/> Alpha <input type="checkbox"/> Empty | | | 70.5 mm | | MCP 0 (US) (I250Y-R) | |
| MCP MCP 0 (US): | V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | 107.5 mm | | MCP 1 (DS) (I250X-R) | |
| MCP 1 (DS): | V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | | | | |
| MCP Voltage on? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | S800 Segment 8 Brho: | | Vacuum: | | 3.8 e-6 torr | |
| CAEN Bias? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Comments: | | | | | |

| | | | | | | | |
|-------------------|---|---|----------|--|-------|---|-------|
| v. 3.4 Run # | 382 | Date: | 11/11/14 | Start: | 12:29 | Stop: | 13:06 |
| Your Name: | Jon | Also on Shift: <input checked="" type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Bill <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Han <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input checked="" type="checkbox"/> Jon | | | | | |
| Built data? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | <input type="checkbox"/> Juan <input checked="" type="checkbox"/> Justin <input checked="" type="checkbox"/> Kyle <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Zibi <input type="checkbox"/> | | | | | |
| Run Type: | <input checked="" type="checkbox"/> Data | Singles: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | | Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | | <input type="checkbox"/> CRDC <input type="checkbox"/> Junk | |
| S800 Trigger Box: | (1+) <input type="checkbox"/> S800 <input checked="" type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____) | <input checked="" type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____) | | <input checked="" type="checkbox"/> Sec.: DS10 | | | |
| HiRA Trigger: | <input checked="" type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl | Beam: | | <input checked="" type="checkbox"/> 74Kr <input type="checkbox"/> 74Kr degraded <input type="checkbox"/> proton <input type="checkbox"/> | | | |
| Target: | <input type="checkbox"/> Viewer <input checked="" type="checkbox"/> CH2 100um <input type="checkbox"/> CH2 50um <input type="checkbox"/> out | Drive Positions: | | 83 mm | | Target (I251Y-R) | |
| | <input type="checkbox"/> Mask <input type="checkbox"/> Au <input type="checkbox"/> Alpha <input type="checkbox"/> Empty | | | 70.5 mm | | MCP 0 (US) (I250Y-R) | |
| MCP MCP 0 (US): | V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | 107.5 mm | | MCP 1 (DS) (I250X-R) | |
| MCP 1 (DS): | V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | | | | |
| MCP Voltage on? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | S800 Segment 8 Brho: | | Vacuum: | | e- torr | |
| CAEN Bias? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Comments: | | | | | |

11/11/14 13:06 Changing the object scrub later
 Object efficiency was at 78%

| | | | | | | | |
|-------------------|--|--|----------|--|-------|--|--|
| v. 3.4 Run # | 383 | Date: | 11/11/14 | Start: | 14:34 | Stop: | |
| Your Name: | Kyle | Also on Shift: <input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Bill <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Han <input type="checkbox"/> Jack <input checked="" type="checkbox"/> Jenny <input type="checkbox"/> Jon | | | | | |
| Built data? | <input type="checkbox"/> Yes <input type="checkbox"/> No | <input type="checkbox"/> Juan <input checked="" type="checkbox"/> Justin <input type="checkbox"/> Kyle <input checked="" type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Zibi <input type="checkbox"/> | | | | | |
| Run Type: | <input type="checkbox"/> Data | Singles: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | | Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | | <input type="checkbox"/> CRDC <input type="checkbox"/> Junk <input checked="" type="checkbox"/> Test | |
| S800 Trigger Box: | (1+) <input type="checkbox"/> S800 <input type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____) | <input checked="" type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____) | | <input type="checkbox"/> Sec.: _____ | | | |
| HiRA Trigger: | <input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl | Beam: | | <input type="checkbox"/> 74Kr <input type="checkbox"/> 74Kr degraded <input type="checkbox"/> proton <input checked="" type="checkbox"/> No beam | | | |
| Target: | <input type="checkbox"/> Viewer <input type="checkbox"/> CH2 100um <input type="checkbox"/> CH2 50um <input type="checkbox"/> out | Drive Positions: | | _____ mm | | Target (I251Y-R) | |
| | <input type="checkbox"/> Mask <input type="checkbox"/> Au <input type="checkbox"/> Alpha <input type="checkbox"/> Empty | | | _____ mm | | MCP 0 (US) (I250Y-R) | |
| MCP MCP 0 (US): | V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | _____ mm | | MCP 1 (DS) (I250X-R) | |
| MCP 1 (DS): | V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | | | | |
| MCP Voltage on? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | S800 Segment 8 Brho: | | Vacuum: | | e- torr | |
| CAEN Bias? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Comments: Test for MCP spectral. | | | | | |

| | | | | | | | |
|-------------------|--|--|----------|--|-------|-------------------------------|---|
| v. 3.4 Run # | 384 | Date: | 11/11/14 | Start: | 17:40 | Stop: | 17:42 |
| Your Name: | Jon | Also on Shift: <input checked="" type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Bill <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Han <input type="checkbox"/> Jack <input checked="" type="checkbox"/> Jenny <input checked="" type="checkbox"/> Jon | | | | | |
| Built data? | <input type="checkbox"/> Yes <input type="checkbox"/> No | <input type="checkbox"/> Juan <input checked="" type="checkbox"/> Justin <input checked="" type="checkbox"/> Kyle <input checked="" type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Zibi <input type="checkbox"/> _____ | | | | | |
| Run Type: | <input type="checkbox"/> Data | Singles: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | | Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | | <input type="checkbox"/> CRDC | <input type="checkbox"/> Junk <i>test</i> |
| S800 Trigger Box: | (1+) <input type="checkbox"/> S800 <input type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____) | <input checked="" type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____) | | <input type="checkbox"/> Sec.: _____ | | | |
| HiRA Trigger: | <input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl | Beam: | | <input type="checkbox"/> 74Kr <input type="checkbox"/> 74Kr degraded <input type="checkbox"/> proton | | <i>no beam</i> | |
| Target: | <input type="checkbox"/> Viewer <input type="checkbox"/> CH2 100um <input type="checkbox"/> CH2 50um <input type="checkbox"/> out | Drive Positions: | | _____ mm | | Target (I251Y-R) | |
| | <input type="checkbox"/> Mask <input type="checkbox"/> Au <input type="checkbox"/> Alpha <input type="checkbox"/> Empty | | | _____ mm | | MCP 0 (US) (I250Y-R) | |
| MCP MCP 0 (US): | V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | _____ mm | | MCP 1 (DS) (I250X-R) | |
| MCP 1 (DS): | V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | | | | |
| MCP Voltage on? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | S800 Segment 8 Brho: | | Vacuum: | | _____ e- torr | |
| CAEN Bias? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Comments: <i>test for MCP Spectel (sp?) 20ms delay</i> | | | | | |

| | | | | | | | |
|-------------------|---|--|----------|---|-------|-------------------------------|-------------------------------|
| v. 3.4 Run # | 385 | Date: | 11/11/14 | Start: | 16:31 | Stop: | |
| Your Name: | Suwat | Also on Shift: <input checked="" type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Bill <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Han <input type="checkbox"/> Jack <input checked="" type="checkbox"/> Jenny <input type="checkbox"/> Jon | | | | | |
| Built data? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | <input type="checkbox"/> Juan <input type="checkbox"/> Justin <input checked="" type="checkbox"/> Kyle <input checked="" type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input checked="" type="checkbox"/> Suwat <input type="checkbox"/> Zibi <input type="checkbox"/> _____ | | | | | |
| Run Type: | <input checked="" type="checkbox"/> Data | Singles: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | | Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | | <input type="checkbox"/> CRDC | <input type="checkbox"/> Junk |
| S800 Trigger Box: | (1+) <input type="checkbox"/> S800 <input checked="" type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____) | <input checked="" type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____) | | <input checked="" type="checkbox"/> Sec.: _____ | | | |
| HiRA Trigger: | <input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl | Beam: | | <input checked="" type="checkbox"/> 74Kr <input type="checkbox"/> 74Kr degraded <input type="checkbox"/> proton | | | |
| Target: | <input type="checkbox"/> Viewer <input checked="" type="checkbox"/> CH2 100um <input type="checkbox"/> CH2 50um <input type="checkbox"/> out | Drive Positions: | | 83 mm | | Target (I251Y-R) | |
| | <input type="checkbox"/> Mask <input type="checkbox"/> Au <input type="checkbox"/> Alpha <input type="checkbox"/> Empty | | | _____ mm | | MCP 0 (US) (I250Y-R) | |
| MCP MCP 0 (US): | V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | _____ mm | | MCP 1 (DS) (I250X-R) | |
| MCP 1 (DS): | V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | | | | |
| MCP Voltage on? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | S800 Segment 8 Brho: | | Vacuum: | | _____ e- torr | |
| CAEN Bias? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Comments: <i>1st run with new object scintillator</i> | | | | | |

| | | | | | | | |
|-------------------|---|--|----------|--|-------|-------------------------------|-------------------------------|
| v. 3.4 Run # | 386 | Date: | 11/11/14 | Start: | 17:49 | Stop: | |
| Your Name: | Suwat | Also on Shift: <input checked="" type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Bill <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Han <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon | | | | | |
| Built data? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | <input type="checkbox"/> Juan <input checked="" type="checkbox"/> Justin <input checked="" type="checkbox"/> Kyle <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input checked="" type="checkbox"/> Suwat <input type="checkbox"/> Zibi <input type="checkbox"/> _____ | | | | | |
| Run Type: | <input checked="" type="checkbox"/> Data | Singles: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | | Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | | <input type="checkbox"/> CRDC | <input type="checkbox"/> Junk |
| S800 Trigger Box: | (1+) <input type="checkbox"/> S800 <input checked="" type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____) | <input checked="" type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____) | | <input checked="" type="checkbox"/> Sec.: _____ | | | |
| HiRA Trigger: | <input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl | Beam: | | <input type="checkbox"/> 74Kr <input type="checkbox"/> 74Kr degraded <input type="checkbox"/> proton | | | |
| Target: | <input type="checkbox"/> Viewer <input checked="" type="checkbox"/> CH2 100um <input type="checkbox"/> CH2 50um <input type="checkbox"/> out | Drive Positions: | | 83 mm | | Target (I251Y-R) | |
| | <input type="checkbox"/> Mask <input type="checkbox"/> Au <input type="checkbox"/> Alpha <input type="checkbox"/> Empty | | | _____ mm | | MCP 0 (US) (I250Y-R) | |
| MCP MCP 0 (US): | V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | _____ mm | | MCP 1 (DS) (I250X-R) | |
| MCP 1 (DS): | V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | | | | |
| MCP Voltage on? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | S800 Segment 8 Brho: | | Vacuum: | | _____ e- torr | |
| CAEN Bias? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Comments: <i>* operator took the key to change the foil.</i> | | | | | |

| | | | | | | | |
|-------------------|---|---|----------|---|--|-------------------------------|-------------------------------|
| v. 3.4 Run # | 387 | Date: | 11/11/14 | Start: | | Stop: | |
| Your Name: | Suwat | Also on Shift: <input checked="" type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Bill <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Han <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon | | | | | |
| Built data? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | <input type="checkbox"/> Juan <input type="checkbox"/> Justin <input checked="" type="checkbox"/> Kyle <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input checked="" type="checkbox"/> Suwat <input type="checkbox"/> Zibi <input type="checkbox"/> _____ | | | | | |
| Run Type: | <input checked="" type="checkbox"/> Data | Singles: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | | Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | | <input type="checkbox"/> CRDC | <input type="checkbox"/> Junk |
| S800 Trigger Box: | (1+) <input type="checkbox"/> S800 <input checked="" type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____) | <input checked="" type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____) | | <input checked="" type="checkbox"/> Sec.: | | | |
| HiRA Trigger: | <input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl | Beam: | | <input checked="" type="checkbox"/> 74Kr <input type="checkbox"/> 74Kr degraded <input type="checkbox"/> proton | | | |
| Target: | <input type="checkbox"/> Viewer <input checked="" type="checkbox"/> CH2 100um <input type="checkbox"/> CH2 50um <input type="checkbox"/> out | Drive Positions: | | 83 mm | | Target (I251Y-R) | |
| | <input type="checkbox"/> Mask <input type="checkbox"/> Au <input type="checkbox"/> Alpha <input type="checkbox"/> Empty | | | | | MCP 0 (US) (I250Y-R) | |
| MCP MCP 0 (US): | V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | | | MCP 1 (DS) (I250X-R) | |
| MCP 1 (DS): | V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | | | | |
| MCP Voltage on? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | S800 Segment 8 Brho: | | Vacuum: | | e- torr | |
| CAEN Bias? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Comments: | | | | | |

* have trouble with RF

| | | | | | | | |
|-------------------|--|---|----------|--|-------|-------------------------------|-------------------------------|
| v. 3.4 Run # | 388 | Date: | 11/11/14 | Start: | 20:20 | Stop: | |
| Your Name: | Suwat | Also on Shift: <input checked="" type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Bill <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Han <input type="checkbox"/> Jack <input checked="" type="checkbox"/> Jenny <input type="checkbox"/> Jon | | | | | |
| Built data? | <input type="checkbox"/> Yes <input type="checkbox"/> No | <input type="checkbox"/> Juan <input type="checkbox"/> Justin <input checked="" type="checkbox"/> Kyle <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input checked="" type="checkbox"/> Suwat <input type="checkbox"/> Zibi <input type="checkbox"/> _____ | | | | | |
| Run Type: | <input type="checkbox"/> Data | Singles: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | | Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | | <input type="checkbox"/> CRDC | <input type="checkbox"/> Junk |
| S800 Trigger Box: | (1+) <input type="checkbox"/> S800 <input type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____) | <input type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____) | | <input type="checkbox"/> Sec.: | | | |
| HiRA Trigger: | <input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl | Beam: | | <input type="checkbox"/> 74Kr <input type="checkbox"/> 74Kr degraded <input type="checkbox"/> proton | | | |
| Target: | <input type="checkbox"/> Viewer <input type="checkbox"/> CH2 100um <input type="checkbox"/> CH2 50um <input type="checkbox"/> out | Drive Positions: | | 236 mm | | Target (I251Y-R) | |
| | <input type="checkbox"/> Mask <input type="checkbox"/> Au <input checked="" type="checkbox"/> Alpha <input type="checkbox"/> Empty | | | | | MCP 0 (US) (I250Y-R) | |
| MCP MCP 0 (US): | V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | | | MCP 1 (DS) (I250X-R) | |
| MCP 1 (DS): | V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | | | | |
| MCP Voltage on? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | S800 Segment 8 Brho: | | Vacuum: | | e- torr | |
| CAEN Bias? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Comments: | | | | | |

Alpha

| | | | | | | | |
|-------------------|---|---|----------|--|-------|-------------------------------|-------------------------------|
| v. 3.4 Run # | 389 | Date: | 11/11/14 | Start: | 20:32 | Stop: | |
| Your Name: | Suwat | Also on Shift: <input checked="" type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Bill <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Han <input type="checkbox"/> Jack <input checked="" type="checkbox"/> Jenny <input type="checkbox"/> Jon | | | | | |
| Built data? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | <input type="checkbox"/> Juan <input type="checkbox"/> Justin <input checked="" type="checkbox"/> Kyle <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input checked="" type="checkbox"/> Suwat <input type="checkbox"/> Zibi <input type="checkbox"/> _____ | | | | | |
| Run Type: | <input checked="" type="checkbox"/> Data | Singles: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | | Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | | <input type="checkbox"/> CRDC | <input type="checkbox"/> Junk |
| S800 Trigger Box: | (1+) <input type="checkbox"/> S800 <input checked="" type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____) | <input checked="" type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____) | | <input checked="" type="checkbox"/> Sec.: | | | |
| HiRA Trigger: | <input checked="" type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl | Beam: | | <input type="checkbox"/> 74Kr <input type="checkbox"/> 74Kr degraded <input type="checkbox"/> proton | | | |
| Target: | <input type="checkbox"/> Viewer <input checked="" type="checkbox"/> CH2 100um <input checked="" type="checkbox"/> CH2 50um <input type="checkbox"/> out | Drive Positions: | | 83 mm | | Target (I251Y-R) | |
| | <input type="checkbox"/> Mask <input type="checkbox"/> Au <input type="checkbox"/> Alpha <input type="checkbox"/> Empty | | | | | MCP 0 (US) (I250Y-R) | |
| MCP MCP 0 (US): | V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | | | MCP 1 (DS) (I250X-R) | |
| MCP 1 (DS): | V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | | | | |
| MCP Voltage on? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | S800 Segment 8 Brho: | | Vacuum: | | e- torr | |
| CAEN Bias? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Comments: | | | | | |

| | | | | | | | |
|-------------------|---|---|----------|--|-------|-------|--|
| v. 3.4 Run # | 390 | Date: | 11/11/14 | Start: | 20:34 | Stop: | |
| Your Name: | Suwat | Also on Shift: <input checked="" type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Bill <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Han <input type="checkbox"/> Jack <input checked="" type="checkbox"/> Jenny <input type="checkbox"/> Jon | | | | | |
| Built data? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | <input type="checkbox"/> Juan <input type="checkbox"/> Justin <input checked="" type="checkbox"/> Kyle <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input checked="" type="checkbox"/> Suwat <input type="checkbox"/> Zibi <input type="checkbox"/> | | | | | |
| Run Type: | <input checked="" type="checkbox"/> Data | Singles: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | | Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) <input type="checkbox"/> CRDC <input type="checkbox"/> Junk | | | |
| S800 Trigger Box: | (1+) <input type="checkbox"/> S800 <input checked="" type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____) | <input checked="" type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____) | | <input checked="" type="checkbox"/> Sec.: _____ | | | |
| HiRA Trigger: | <input checked="" type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl | Beam: | | <input checked="" type="checkbox"/> 74Kr <input type="checkbox"/> 74Kr degraded <input type="checkbox"/> proton <input type="checkbox"/> | | | |
| Target: | <input type="checkbox"/> Viewer <input checked="" type="checkbox"/> CH2 100um <input type="checkbox"/> CH2 50um <input type="checkbox"/> out | Drive Positions: | | 83 mm Target (I251Y-R) | | | |
| | <input type="checkbox"/> Mask <input type="checkbox"/> Au <input type="checkbox"/> Alpha <input type="checkbox"/> Empty | | | mm MCP 0 (US) (I250Y-R) | | | |
| MCP MCP 0 (US): | V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | mm MCP 1 (DS) (I250X-R) | | | |
| MCP 1 (DS): | V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | | | | |
| MCP Voltage on? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | S800 Segment 8 Brho: | | Vacuum: _____ e- torr | | | |
| CAEN Bias? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Comments: MCP 0 pos 0 bad | | | | | |

Noticed that the MCP 0 position 0 + 3 are not looking as good as they were. We asked the operators and they returned the cyclotron to be more centered.

After the return, the MCP 0 position 0 is still bad. Going to swap two pre amps

| | | | | | | | |
|-------------------|---|---|----------|--|--|-------|--|
| v. 3.4 Run # | 392 | Date: | 11/11/14 | Start: | | Stop: | |
| Your Name: | | Also on Shift: <input checked="" type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Bill <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Han <input type="checkbox"/> Jack <input checked="" type="checkbox"/> Jenny <input type="checkbox"/> Jon | | | | | |
| Built data? | <input type="checkbox"/> Yes <input type="checkbox"/> No | <input type="checkbox"/> Juan <input type="checkbox"/> Justin <input checked="" type="checkbox"/> Kyle <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input checked="" type="checkbox"/> Suwat <input type="checkbox"/> Zibi <input type="checkbox"/> | | | | | |
| Run Type: | <input type="checkbox"/> Data | Singles: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | | Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) <input type="checkbox"/> CRDC <input type="checkbox"/> Junk | | | |
| S800 Trigger Box: | (1+) <input type="checkbox"/> S800 <input checked="" type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____) | <input checked="" type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____) | | <input checked="" type="checkbox"/> Sec.: _____ | | | |
| HiRA Trigger: | <input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl | Beam: | | <input type="checkbox"/> 74Kr <input type="checkbox"/> 74Kr degraded <input type="checkbox"/> proton <input type="checkbox"/> | | | |
| Target: | <input type="checkbox"/> Viewer <input checked="" type="checkbox"/> CH2 100um <input type="checkbox"/> CH2 50um <input type="checkbox"/> out | Drive Positions: | | 83 mm Target (I251Y-R) | | | |
| | <input type="checkbox"/> Mask <input type="checkbox"/> Au <input type="checkbox"/> Alpha <input type="checkbox"/> Empty | | | mm MCP 0 (US) (I250Y-R) | | | |
| MCP MCP 0 (US): | V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | mm MCP 1 (DS) (I250X-R) | | | |
| MCP 1 (DS): | V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | | | | |
| MCP Voltage on? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | S800 Segment 8 Brho: | | Vacuum: _____ e- torr | | | |
| CAEN Bias? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Comments: < MCPO POS 0 bad > | | | | | |

★ Changes to MCP

We swapped the Ins Lemo cables on both ends of the MCP \emptyset Pos \emptyset cable from the flange to the preamp. This fixed the missing signal. This is only bad for run 390 & 391.

We also lowered the thresholds on both MCP timing signals.

MCP \emptyset $-9.4V \rightarrow -3.2V$
 MCP \emptyset $-3.1V \rightarrow -2.4V$

This was to address the fact that both MCP \emptyset +1 were not counting near the XFP rate.

| | | | |
|---|---|--|---|
| v. 3.4 Run # 392 | Date: 11/11/14 | Start: 23:01 | Stop: 23:23 |
| Your Name: | Also on Shift: <input checked="" type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Bill <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Han <input type="checkbox"/> Jack <input checked="" type="checkbox"/> Jenny <input type="checkbox"/> Jon | | |
| Built data? <input type="checkbox"/> Yes <input type="checkbox"/> No | <input type="checkbox"/> Juan <input type="checkbox"/> Justin <input checked="" type="checkbox"/> Kyle <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input checked="" type="checkbox"/> Suwat <input type="checkbox"/> Zibi <input type="checkbox"/> | | |
| Run Type: <input checked="" type="checkbox"/> Data | Singles: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | <input type="checkbox"/> CRDC <input type="checkbox"/> Junk |
| S800 Trigger Box: (1+) <input type="checkbox"/> S800 <input checked="" type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____) | <input checked="" type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____) <input checked="" type="checkbox"/> Sec.: _____ | | |
| HiRA Trigger: <input checked="" type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl | Beam: <input checked="" type="checkbox"/> 74Kr <input type="checkbox"/> 74Kr degraded <input type="checkbox"/> proton <input type="checkbox"/> | | |
| Target: <input type="checkbox"/> Viewer <input checked="" type="checkbox"/> CH2 100 μ m <input type="checkbox"/> CH2 50 μ m <input type="checkbox"/> out | Drive Positions: | | |
| <input type="checkbox"/> Mask <input type="checkbox"/> Au <input type="checkbox"/> Alpha <input type="checkbox"/> Empty | 83 mm Target (I251Y-R) | | |
| MCP MCP 0 (US): 67 nA | V: 1725V I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | 70.5 mm MCP 0 (US) (I250Y-R) | |
| MCP 1 (DS): 57 nA | V: 1755V I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | 107.5 mm MCP 1 (DS) (I250X-R) | |
| MCP Voltage on? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | S800 Segment 8 Brho: | Vacuum: 3.9 e-6 torr | |
| CAEN Bias? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Comments: New MCP timing thresholds and new MCP \emptyset Pos \emptyset cable. | | |

* operator took the key and returned the beam.

| | | | | | | | |
|-------------------|---|---|----------|--|-------|-------------------------------|-------------------------------|
| v. 3.4 Run # | 393 | Date: | 11/11/14 | Start: | 23:36 | Stop: | |
| Your Name: | Suwat | Also on Shift: <input checked="" type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Bill <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Han <input type="checkbox"/> Jack <input checked="" type="checkbox"/> Jenny <input type="checkbox"/> Jon | | | | | |
| Built data? | <input type="checkbox"/> Yes <input type="checkbox"/> No | <input type="checkbox"/> Juan <input type="checkbox"/> Justin <input checked="" type="checkbox"/> Kyle <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input checked="" type="checkbox"/> Suwat <input type="checkbox"/> Zibi <input type="checkbox"/> _____ | | | | | |
| Run Type: | <input type="checkbox"/> Data | Singles: (<input type="checkbox"/> HiRA <input checked="" type="checkbox"/> S800 <input type="checkbox"/> MCP) | | Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | | <input type="checkbox"/> CRDC | <input type="checkbox"/> Junk |
| S800 Trigger Box: | (1+) <input checked="" type="checkbox"/> S800 <input type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____) | | | Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____) | | Sec.: _____ | |
| HiRA Trigger: | <input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl | | | Beam: <input checked="" type="checkbox"/> 74Kr <input type="checkbox"/> 74Kr degraded <input type="checkbox"/> proton <input type="checkbox"/> _____ | | | |
| Target: | <input type="checkbox"/> Viewer <input checked="" type="checkbox"/> CH2 100um <input type="checkbox"/> CH2 50um <input type="checkbox"/> out | | | Drive Positions: | | | |
| | <input type="checkbox"/> Mask <input type="checkbox"/> Au <input type="checkbox"/> Alpha <input type="checkbox"/> Empty | | | 83 mm | | Target (I251Y-R) | |
| MCP MCP 0 (US): | V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | _____ mm | | MCP 0 (US) (I250Y-R) | |
| MCP 1 (DS): | V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | _____ mm | | MCP 1 (DS) (I250X-R) | |
| MCP Voltage on? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | S800 Segment 8 Brho: | | Vacuum: | | e- torr | |
| CAEN Bias? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Comments: S800 Singles | | | | | |

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|-------------------|---|---|----------|--|-------|--|-------------------------------|
| v. 3.4 Run # | 394 | Date: | 11/11/14 | Start: | 23:40 | Stop: | |
| Your Name: | Suwat | Also on Shift: <input checked="" type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Bill <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Han <input type="checkbox"/> Jack <input checked="" type="checkbox"/> Jenny <input type="checkbox"/> Jon | | | | | |
| Built data? | <input type="checkbox"/> Yes <input type="checkbox"/> No | <input type="checkbox"/> Juan <input type="checkbox"/> Justin <input checked="" type="checkbox"/> Kyle <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input checked="" type="checkbox"/> Suwat <input type="checkbox"/> Zibi <input type="checkbox"/> _____ | | | | | |
| Run Type: | <input type="checkbox"/> Data | Singles: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | | Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | | <input checked="" type="checkbox"/> CRDC | <input type="checkbox"/> Junk |
| S800 Trigger Box: | (1+) <input checked="" type="checkbox"/> S800 <input type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____) | | | Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____) | | Sec.: _____ | |
| HiRA Trigger: | <input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl | | | Beam: <input checked="" type="checkbox"/> 74Kr <input type="checkbox"/> 74Kr degraded <input type="checkbox"/> proton <input type="checkbox"/> _____ | | | |
| Target: | <input type="checkbox"/> Viewer <input checked="" type="checkbox"/> CH2 100um <input type="checkbox"/> CH2 50um <input type="checkbox"/> out | | | Drive Positions: | | | |
| | <input type="checkbox"/> Mask <input type="checkbox"/> Au <input type="checkbox"/> Alpha <input type="checkbox"/> Empty | | | 83 mm | | Target (I251Y-R) | |
| MCP MCP 0 (US): | V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | _____ mm | | MCP 0 (US) (I250Y-R) | |
| MCP 1 (DS): | V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | _____ mm | | MCP 1 (DS) (I250X-R) | |
| MCP Voltage on? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | S800 Segment 8 Brho: | | Vacuum: | | e- torr | |
| CAEN Bias? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Comments: CRDC 1 | | | | | |

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|-------------------|---|---|----------|--|-------|--|-------------------------------|
| v. 3.4 Run # | 395 | Date: | 11/11/14 | Start: | 23:49 | Stop: | |
| Your Name: | Suwat | Also on Shift: <input checked="" type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Bill <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Han <input type="checkbox"/> Jack <input checked="" type="checkbox"/> Jenny <input type="checkbox"/> Jon | | | | | |
| Built data? | <input type="checkbox"/> Yes <input type="checkbox"/> No | <input type="checkbox"/> Juan <input type="checkbox"/> Justin <input checked="" type="checkbox"/> Kyle <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input checked="" type="checkbox"/> Suwat <input type="checkbox"/> Zibi <input type="checkbox"/> _____ | | | | | |
| Run Type: | <input type="checkbox"/> Data | Singles: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | | Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | | <input checked="" type="checkbox"/> CRDC | <input type="checkbox"/> Junk |
| S800 Trigger Box: | (1+) <input checked="" type="checkbox"/> S800 <input type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____) | | | Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____) | | Sec.: _____ | |
| HiRA Trigger: | <input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl | | | Beam: <input checked="" type="checkbox"/> 74Kr <input type="checkbox"/> 74Kr degraded <input type="checkbox"/> proton <input type="checkbox"/> _____ | | | |
| Target: | <input type="checkbox"/> Viewer <input checked="" type="checkbox"/> CH2 100um <input type="checkbox"/> CH2 50um <input type="checkbox"/> out | | | Drive Positions: | | | |
| | <input type="checkbox"/> Mask <input type="checkbox"/> Au <input type="checkbox"/> Alpha <input type="checkbox"/> Empty | | | 83 mm | | Target (I251Y-R) | |
| MCP MCP 0 (US): | V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | _____ mm | | MCP 0 (US) (I250Y-R) | |
| MCP 1 (DS): | V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | _____ mm | | MCP 1 (DS) (I250X-R) | |
| MCP Voltage on? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | S800 Segment 8 Brho: | | Vacuum: | | e- torr | |
| CAEN Bias? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Comments: CRDC 2 | | | | | |

| | | | |
|---|--|--|--|
| v. 3.4 Run # <u>396</u> | Date: <u>11/11/14</u> | Start: <u>23:59</u> | Stop: |
| Your Name: <u>Suwat</u> | Also on Shift: <input checked="" type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Bill <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Han <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon | | |
| Built data? <input type="checkbox"/> Yes <input type="checkbox"/> No | <input type="checkbox"/> Juan <input type="checkbox"/> Justin <input checked="" type="checkbox"/> Kyle <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input checked="" type="checkbox"/> Suwat <input type="checkbox"/> Zibi <input type="checkbox"/> | | |
| Run Type: <input type="checkbox"/> Data | Singles: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | <input checked="" type="checkbox"/> CRDC <input type="checkbox"/> Junk |
| S800 Trigger Box: (1+) <input checked="" type="checkbox"/> S800 <input type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____) | <input type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____) <input type="checkbox"/> Sec.: _____ | | |
| HiRA Trigger: <input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl | Beam: <input checked="" type="checkbox"/> 74Kr <input type="checkbox"/> 74Kr degraded <input type="checkbox"/> proton <input type="checkbox"/> | | |
| Target: <input type="checkbox"/> Viewer <input checked="" type="checkbox"/> CH2 100um <input type="checkbox"/> CH2 50um <input type="checkbox"/> out | Drive Positions: <u>83</u> mm Target (I251Y-R) | | |
| <input type="checkbox"/> Mask <input type="checkbox"/> Au <input type="checkbox"/> Alpha <input type="checkbox"/> Empty | _____ mm MCP 0 (US) (I250Y-R) | | |
| MCP MCP 0 (US): V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | _____ mm MCP 1 (DS) (I250X-R) | | |
| MCP 1 (DS): V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | |
| MCP Voltage on? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | S800 Segment 8 Brho: | Vacuum: _____ e- torr | |
| CAEN Bias? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Comments: <u>CRDC ? mask run</u> | | |

* Match D1. Bp was off on D1. Sand unmatched. → forced to rematch. Setole.

| | | | |
|---|--|--|---|
| v. 3.4 Run # <u>397</u> | Date: <u>11/12/14</u> | Start: <u>0:05</u> | Stop: <u>0:06</u> |
| Your Name: | Also on Shift: <input checked="" type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Bill <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Han <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon | | |
| Built data? <input type="checkbox"/> Yes <input type="checkbox"/> No | <input type="checkbox"/> Juan <input type="checkbox"/> Justin <input checked="" type="checkbox"/> Kyle <input type="checkbox"/> Mingbo <input checked="" type="checkbox"/> Rachel <input type="checkbox"/> Sean <input checked="" type="checkbox"/> Suwat <input type="checkbox"/> Zibi <input type="checkbox"/> | | |
| Run Type: <input type="checkbox"/> Data | Singles: (<input type="checkbox"/> HiRA <input checked="" type="checkbox"/> S800 <input type="checkbox"/> MCP) | Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | <input type="checkbox"/> CRDC <input type="checkbox"/> Junk |
| S800 Trigger Box: (1+) <input checked="" type="checkbox"/> S800 <input type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____) | <input type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____) <input type="checkbox"/> Sec.: _____ | | |
| HiRA Trigger: <input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl | Beam: <input checked="" type="checkbox"/> 74Kr <input type="checkbox"/> 74Kr degraded <input type="checkbox"/> proton <input type="checkbox"/> | | |
| Target: <input type="checkbox"/> Viewer <input checked="" type="checkbox"/> CH2 100um <input type="checkbox"/> CH2 50um <input type="checkbox"/> out | Drive Positions: <u>83</u> mm Target (I251Y-R) | | |
| <input type="checkbox"/> Mask <input type="checkbox"/> Au <input type="checkbox"/> Alpha <input type="checkbox"/> Empty | _____ mm MCP 0 (US) (I250Y-R) | | |
| MCP MCP 0 (US): V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | _____ mm MCP 1 (DS) (I250X-R) | | |
| MCP 1 (DS): V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | |
| MCP Voltage on? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | S800 Segment 8 Brho: | Vacuum: _____ e- torr | |
| CAEN Bias? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Comments: <u>S800 singles again</u> | | |

| | | | |
|---|--|--|---|
| v. 3.4 Run # <u>398</u> | Date: <u>11/12/14</u> | Start: 0:07 <u>0:07</u> | Stop: |
| Your Name: | Also on Shift: <input checked="" type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Bill <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Han <input type="checkbox"/> Jack <input checked="" type="checkbox"/> Jenny <input type="checkbox"/> Jon ↖ stop 1:00 | | |
| Built data? <input type="checkbox"/> Yes <input type="checkbox"/> No | <input type="checkbox"/> Juan <input type="checkbox"/> Justin <input checked="" type="checkbox"/> Kyle <input type="checkbox"/> Mingbo <input checked="" type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Zibi <input type="checkbox"/> | | |
| Run Type: <input checked="" type="checkbox"/> Data | Singles: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | <input type="checkbox"/> CRDC <input type="checkbox"/> Junk |
| S800 Trigger Box: (1+) <input type="checkbox"/> S800 <input checked="" type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____) | <input checked="" type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____) <input checked="" type="checkbox"/> Sec.: <u>DS1</u> | | |
| HiRA Trigger: <input checked="" type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl | Beam: <input checked="" type="checkbox"/> 74Kr <input type="checkbox"/> 74Kr degraded <input type="checkbox"/> proton <input type="checkbox"/> | | |
| Target: <input type="checkbox"/> Viewer <input checked="" type="checkbox"/> CH2 100um <input type="checkbox"/> CH2 50um <input type="checkbox"/> out | Drive Positions: <u>83</u> mm Target (I251Y-R) | | |
| <input type="checkbox"/> Mask <input type="checkbox"/> Au <input type="checkbox"/> Alpha <input type="checkbox"/> Empty | <u>705</u> mm MCP 0 (US) (I250Y-R) | | |
| MCP MCP 0 (US): V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | <u>107.5</u> mm MCP 1 (DS) (I250X-R) | | |
| MCP 1 (DS): V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | |
| MCP Voltage on? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | S800 Segment 8 Brho: | Vacuum: _____ e- torr | |
| CAEN Bias? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Comments: <u>Data Run</u> | | |

| | | | | | | | |
|-------------------|--|----------------------|--|--------|------|-------|------|
| v. 3.4 Run # | 399 | Date: | 11/12/14 | Start: | 1:05 | Stop: | 2:04 |
| Your Name: | Rachel | Also on Shift: | <input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Bill <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Han <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon <input type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Kyle <input type="checkbox"/> Mingbo <input checked="" type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Zibi <input type="checkbox"/> _____ | | | | |
| Built data? | <input type="checkbox"/> Yes <input type="checkbox"/> No | | | | | | |
| Run Type: | <input checked="" type="checkbox"/> Data | Singles: | <input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) <input type="checkbox"/> CRDC <input type="checkbox"/> Junk | | | | |
| S800 Trigger Box: | (1+) <input type="checkbox"/> S800 <input checked="" type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____) <input checked="" type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____) <input checked="" type="checkbox"/> Sec.: 05/10 | | | | | | |
| HiRA Trigger: | <input checked="" type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl | Beam: | <input type="checkbox"/> 74Kr <input type="checkbox"/> 74Kr degraded <input type="checkbox"/> proton <input type="checkbox"/> _____ | | | | |
| Target: | <input type="checkbox"/> Viewer <input checked="" type="checkbox"/> CH2 100um <input type="checkbox"/> CH2 50um <input type="checkbox"/> out <input type="checkbox"/> Mask <input type="checkbox"/> Au <input type="checkbox"/> Alpha <input type="checkbox"/> Empty | Drive Positions: | 83 mm Target (I251Y-R) 70.5 mm MCP 0 (US) (I250Y-R) 107.5 mm MCP 1 (DS) (I250X-R) | | | | |
| MCP MCP 0 (US): | V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | | | | |
| MCP 1 (DS): | V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | | | | |
| MCP Voltage on? | <input type="checkbox"/> Yes <input type="checkbox"/> No | S800 Segment 8 Brho: | Vacuum: 3.8 e-6 torr | | | | |
| CAEN Bias? | <input type="checkbox"/> Yes <input type="checkbox"/> No | Comments: | Data run. | | | | |

At ~12:05 AM, rematched DI magnet, was reading zero. It matched quickly to the saved set point. Bp is just slightly diff than before
 → Saved Barney at 1:30 AM.
 At ~1:20^{AM} Central Room got an alarm that the DI had changed from its set point. It seems the communication between the S800 magnets and the central room works intermittently. Bp seems to be okay, just a controls or communications issue.

| | | | | | | | |
|-------------------|--|----------------------|---|--------|------|-------|-------|
| v. 3.4 Run # | 400 | Date: | 11/12/14 | Start: | 2:04 | Stop: | 03:04 |
| Your Name: | Rachel | Also on Shift: | <input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Bill <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Han <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon <input checked="" type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Kyle <input type="checkbox"/> Mingbo <input checked="" type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Zibi <input type="checkbox"/> _____ | | | | |
| Built data? | <input type="checkbox"/> Yes <input type="checkbox"/> No | | | | | | |
| Run Type: | <input checked="" type="checkbox"/> Data | Singles: | <input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) <input type="checkbox"/> CRDC <input type="checkbox"/> Junk | | | | |
| S800 Trigger Box: | (1+) <input type="checkbox"/> S800 <input checked="" type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____) <input checked="" type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____) <input checked="" type="checkbox"/> Sec.: _____ | | | | | | |
| HiRA Trigger: | <input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl | Beam: | <input type="checkbox"/> 74Kr <input type="checkbox"/> 74Kr degraded <input type="checkbox"/> proton <input type="checkbox"/> _____ | | | | |
| Target: | <input type="checkbox"/> Viewer <input checked="" type="checkbox"/> CH2 100um <input type="checkbox"/> CH2 50um <input type="checkbox"/> out <input type="checkbox"/> Mask <input type="checkbox"/> Au <input type="checkbox"/> Alpha <input type="checkbox"/> Empty | Drive Positions: | _____ mm Target (I251Y-R) _____ mm MCP 0 (US) (I250Y-R) _____ mm MCP 1 (DS) (I250X-R) | | | | |
| MCP MCP 0 (US): | V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | | | | |
| MCP 1 (DS): | V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | | | | |
| MCP Voltage on? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | S800 Segment 8 Brho: | Vacuum: _____ e- torr | | | | |
| CAEN Bias? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Comments: | | | | | |

| | | | | | | | |
|-------------------|--|----------------------|---|--------|-------|-------|------|
| v. 3.4 Run # | 401 | Date: | 11/12/14 | Start: | 03:04 | Stop: | 3:13 |
| Your Name: | Rachel | Also on Shift: | <input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Bill <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Han <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon <input checked="" type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Kyle <input type="checkbox"/> Mingbo <input checked="" type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Zibi <input type="checkbox"/> _____ | | | | |
| Built data? | <input type="checkbox"/> Yes <input type="checkbox"/> No | | | | | | |
| Run Type: | <input checked="" type="checkbox"/> Data | Singles: | <input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) <input type="checkbox"/> CRDC <input type="checkbox"/> Junk | | | | |
| S800 Trigger Box: | (1+) <input type="checkbox"/> S800 <input checked="" type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____) <input checked="" type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____) <input checked="" type="checkbox"/> Sec.: _____ | | | | | | |
| HiRA Trigger: | <input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl | Beam: | <input type="checkbox"/> 74Kr <input type="checkbox"/> 74Kr degraded <input type="checkbox"/> proton <input type="checkbox"/> _____ | | | | |
| Target: | <input type="checkbox"/> Viewer <input checked="" type="checkbox"/> CH2 100um <input type="checkbox"/> CH2 50um <input type="checkbox"/> out <input type="checkbox"/> Mask <input type="checkbox"/> Au <input type="checkbox"/> Alpha <input type="checkbox"/> Empty | Drive Positions: | 83 mm Target (I251Y-R) 70.5 mm MCP 0 (US) (I250Y-R) 107.5 mm MCP 1 (DS) (I250X-R) | | | | |
| MCP MCP 0 (US): | V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | | | | |
| MCP 1 (DS): | V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | | | | |
| MCP Voltage on? | <input type="checkbox"/> Yes <input type="checkbox"/> No | S800 Segment 8 Brho: | Vacuum: 3.9 e-6 torr | | | | |
| CAEN Bias? | <input type="checkbox"/> Yes <input type="checkbox"/> No | Comments: | Data run, ended so Central Room can check out diagnostics - something tripped off but unclear what | | | | |

| | | | |
|---|---|-----------------------|-------------------|
| v. 3.4 Run # 403 | Date: 11/12/14 | Start: 03:21 | Stop: 4:29 |
| Your Name: Rachel | Also on Shift: <input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Bill <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Han <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon | | |
| Built data? <input type="checkbox"/> Yes <input type="checkbox"/> No | <input checked="" type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Kyle <input type="checkbox"/> Mingbo <input checked="" type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Zibi <input type="checkbox"/> _____ | | |
| Run Type: <input checked="" type="checkbox"/> Data | Singles: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) <input type="checkbox"/> CRDC <input type="checkbox"/> Junk | | |
| S800 Trigger Box: (1+) <input type="checkbox"/> S800 <input checked="" type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____) <input checked="" type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____) <input checked="" type="checkbox"/> Sec.: _____ | | | |
| HiRA Trigger: <input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl | Beam: <input checked="" type="checkbox"/> 74Kr <input type="checkbox"/> 74Kr degraded <input type="checkbox"/> proton <input type="checkbox"/> _____ | | |
| Target: <input type="checkbox"/> Viewer <input checked="" type="checkbox"/> CH2 100um <input type="checkbox"/> CH2 50um <input type="checkbox"/> out | Drive Positions: | | |
| <input type="checkbox"/> Mask <input type="checkbox"/> Au <input type="checkbox"/> Alpha <input type="checkbox"/> Empty | _____ mm | Target | (I251Y-R) |
| MCP MCP 0 (US): V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | _____ mm | MCP 0 (US) | (I250Y-R) |
| MCP 1 (DS): V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | _____ mm | MCP 1 (DS) | (I250X-R) |
| MCP Voltage on? <input type="checkbox"/> Yes <input type="checkbox"/> No | S800 Segment 8 Brho: | Vacuum: _____ e- torr | |
| CAEN Bias? <input type="checkbox"/> Yes <input type="checkbox"/> No | Comments: | | |

| | | | |
|---|---|-----------------------|-----------|
| v. 3.4 Run # 404 | Date: 11/12/14 | Start: 4:30 | Stop: |
| Your Name: Juan | Also on Shift: <input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Bill <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Han <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon | | |
| Built data? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | <input checked="" type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Kyle <input type="checkbox"/> Mingbo <input checked="" type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Zibi <input type="checkbox"/> _____ | | |
| Run Type: <input type="checkbox"/> Data | Singles: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) Calib: (<input type="checkbox"/> HiRA <input checked="" type="checkbox"/> S800 <input type="checkbox"/> MCP) <input checked="" type="checkbox"/> CRDC <input type="checkbox"/> Junk | | |
| S800 Trigger Box: (1+) <input checked="" type="checkbox"/> S800 <input type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____) <input type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____) <input type="checkbox"/> Sec.: _____ | | | |
| HiRA Trigger: <input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl | Beam: <input checked="" type="checkbox"/> 74Kr <input type="checkbox"/> 74Kr degraded <input type="checkbox"/> proton <input type="checkbox"/> _____ | | |
| Target: <input type="checkbox"/> Viewer <input checked="" type="checkbox"/> CH2 100um <input type="checkbox"/> CH2 50um <input type="checkbox"/> out | Drive Positions: | | |
| <input type="checkbox"/> Mask <input type="checkbox"/> Au <input type="checkbox"/> Alpha <input type="checkbox"/> Empty | _____ mm | Target | (I251Y-R) |
| MCP MCP 0 (US): V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | _____ mm | MCP 0 (US) | (I250Y-R) |
| MCP 1 (DS): V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | _____ mm | MCP 1 (DS) | (I250X-R) |
| MCP Voltage on? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | S800 Segment 8 Brho: | Vacuum: _____ e- torr | |
| CAEN Bias? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Comments: CRDC 1 Mask Run | | |

| | | | |
|--|---|-----------------------|-----------|
| v. 3.4 Run # 405 | Date: | Start: | Stop: |
| Your Name: Jun | Also on Shift: <input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Bill <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Han <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon | | |
| Built data? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | <input type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Kyle <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Zibi <input type="checkbox"/> _____ | | |
| Run Type: <input type="checkbox"/> Data | Singles: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) Calib: (<input type="checkbox"/> HiRA <input checked="" type="checkbox"/> S800 <input type="checkbox"/> MCP) <input checked="" type="checkbox"/> CRDC <input type="checkbox"/> Junk | | |
| S800 Trigger Box: (1+) <input type="checkbox"/> S800 <input type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____) <input type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____) <input type="checkbox"/> Sec.: _____ | | | |
| HiRA Trigger: <input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl | Beam: <input type="checkbox"/> 74Kr <input type="checkbox"/> 74Kr degraded <input type="checkbox"/> proton <input type="checkbox"/> _____ | | |
| Target: <input type="checkbox"/> Viewer <input type="checkbox"/> CH2 100um <input type="checkbox"/> CH2 50um <input type="checkbox"/> out | Drive Positions: | | |
| <input type="checkbox"/> Mask <input type="checkbox"/> Au <input type="checkbox"/> Alpha <input type="checkbox"/> Empty | _____ mm | Target | (I251Y-R) |
| MCP MCP 0 (US): V: _____ I: <input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | _____ mm | MCP 0 (US) | (I250Y-R) |
| MCP 1 (DS): V: _____ I: <input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | _____ mm | MCP 1 (DS) | (I250X-R) |
| MCP Voltage on? <input type="checkbox"/> Yes <input type="checkbox"/> No | S800 Segment 8 Brho: | Vacuum: _____ e- torr | |
| CAEN Bias? <input type="checkbox"/> Yes <input type="checkbox"/> No | Comments: CRDC 2 mask run. | | |

| | | | | | | | |
|-------------------|--|---|---|--|--|---|--|
| v. 3.4 Run # | 406 | Date: | | Start: | | Stop: | |
| Your Name: | | Also on Shift: <input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Bill <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Han <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon | | | | | |
| Built data? | <input type="checkbox"/> Yes <input type="checkbox"/> No | <input type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Kyle <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Zibi <input type="checkbox"/> _____ | | | | | |
| Run Type: | <input checked="" type="checkbox"/> Data | Singles: (<input type="checkbox"/> HIRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | | Calib: (<input type="checkbox"/> HIRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | | <input type="checkbox"/> CRDC <input type="checkbox"/> Junk | |
| S800 Trigger Box: | (1+) <input type="checkbox"/> S800 <input checked="" type="checkbox"/> Coin. | Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____) | | Ext.2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____) | | <input checked="" type="checkbox"/> Sec.: _____ | |
| HiRA Trigger: | <input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl | | Beam: <input type="checkbox"/> 74Kr <input type="checkbox"/> 74Kr degraded <input type="checkbox"/> proton <input type="checkbox"/> _____ | | | | |
| Target: | <input type="checkbox"/> Viewer <input type="checkbox"/> Mask | <input type="checkbox"/> CH2 100um <input type="checkbox"/> Au | <input type="checkbox"/> CH2 50um <input type="checkbox"/> Alpha | <input type="checkbox"/> out <input type="checkbox"/> Empty | Drive Positions: _____ mm Target (I251Y-R) | | |
| MCP MCP 0 (US): | V: _____ I: <input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | _____ mm MCP 0 (US) (I250Y-R) | | _____ mm MCP 1 (DS) (I250X-R) | | |
| MCP 1 (DS): | V: _____ I: <input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | _____ mm | | _____ mm | | |
| MCP Voltage on? | <input type="checkbox"/> Yes <input type="checkbox"/> No | S800 Segment 8 Brho: | | | Vacuum: _____ e- torr | | |
| CAEN Bias? | <input type="checkbox"/> Yes <input type="checkbox"/> No | Comments: Data while figure at CRDC positions. | | | | | |

| | | | | | | | |
|-------------------|--|--|---|--|--|---|------|
| v. 3.4 Run # | 407 | Date: | | Start: | 5:28 | Stop: | 5:33 |
| Your Name: | | Also on Shift: <input type="checkbox"/> Andy <input checked="" type="checkbox"/> Ben <input type="checkbox"/> Bill <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Han <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon | | | | | |
| Built data? | <input type="checkbox"/> Yes <input type="checkbox"/> No | <input type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Kyle <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Zibi <input type="checkbox"/> _____ | | | | | |
| Run Type: | <input type="checkbox"/> Data | Singles: (<input type="checkbox"/> HIRA <input checked="" type="checkbox"/> S800 <input type="checkbox"/> MCP) | | Calib: (<input type="checkbox"/> HIRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | | <input type="checkbox"/> CRDC <input type="checkbox"/> Junk | |
| S800 Trigger Box: | (1+) <input type="checkbox"/> S800 <input type="checkbox"/> Coin. | Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____) | | Ext.2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____) | | <input type="checkbox"/> Sec.: _____ | |
| HiRA Trigger: | <input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl | | Beam: <input type="checkbox"/> 74Kr <input type="checkbox"/> 74Kr degraded <input type="checkbox"/> proton <input type="checkbox"/> _____ | | | | |
| Target: | <input type="checkbox"/> Viewer <input type="checkbox"/> Mask | <input type="checkbox"/> CH2 100um <input type="checkbox"/> Au | <input type="checkbox"/> CH2 50um <input type="checkbox"/> Alpha | <input type="checkbox"/> out <input type="checkbox"/> Empty | Drive Positions: _____ mm Target (I251Y-R) | | |
| MCP MCP 0 (US): | V: _____ I: <input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | _____ mm MCP 0 (US) (I250Y-R) | | _____ mm MCP 1 (DS) (I250X-R) | | |
| MCP 1 (DS): | V: _____ I: <input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | _____ mm | | _____ mm | | |
| MCP Voltage on? | <input type="checkbox"/> Yes <input type="checkbox"/> No | S800 Segment 8 Brho: | | | Vacuum: _____ e- torr | | |
| CAEN Bias? | <input type="checkbox"/> Yes <input type="checkbox"/> No | Comments: S800 singles | | | | | |

6:15 AM: ~~Sig~~ Signals in the CRDC seem to have an appropriate number of counts (by scalers) but the signals are much lower than previously - both CRDC 1+2, both Ande+TK. At this point we are running data runs until an A1900 person comes in.

| | | | | | | | |
|-------------------|---|---|--|--|--|---|------|
| v. 3.4 Run # | 408 | Date: | | Start: | 5:33 | Stop: | 6:34 |
| Your Name: | Rachel | Also on Shift: <input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Bill <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Han <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon | | | | | |
| Built data? | <input type="checkbox"/> Yes <input type="checkbox"/> No | <input checked="" type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Kyle <input type="checkbox"/> Mingbo <input checked="" type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Zibi <input type="checkbox"/> _____ | | | | | |
| Run Type: | <input checked="" type="checkbox"/> Data | Singles: (<input type="checkbox"/> HIRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | | Calib: (<input type="checkbox"/> HIRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | | <input type="checkbox"/> CRDC <input type="checkbox"/> Junk | |
| S800 Trigger Box: | (1+) <input type="checkbox"/> S800 <input checked="" type="checkbox"/> Coin. | Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____) | | Ext.2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____) | | <input checked="" type="checkbox"/> Sec.: _____ | |
| HiRA Trigger: | <input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl | | Beam: <input checked="" type="checkbox"/> 74Kr <input type="checkbox"/> 74Kr degraded <input type="checkbox"/> proton <input type="checkbox"/> _____ | | | | |
| Target: | <input type="checkbox"/> Viewer <input type="checkbox"/> Mask | <input checked="" type="checkbox"/> CH2 100um <input type="checkbox"/> Au | <input type="checkbox"/> CH2 50um <input type="checkbox"/> Alpha | <input type="checkbox"/> out <input type="checkbox"/> Empty | Drive Positions: _____ mm Target (I251Y-R) | | |
| MCP MCP 0 (US): | V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | _____ mm MCP 0 (US) (I250Y-R) | | _____ mm MCP 1 (DS) (I250X-R) | | |
| MCP 1 (DS): | V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | _____ mm | | _____ mm | | |
| MCP Voltage on? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | S800 Segment 8 Brho: | | | Vacuum: 3.8 e- torr | | |
| CAEN Bias? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Comments: Data run. | | | | | |

| | | | | | | | |
|-------------------|---|----------------------|--|--------|------|-------|------|
| v. 3.4 Run # | 409 | Date: | 11/12/14 | Start: | 6:35 | Stop: | 7:39 |
| Your Name: | Rachel | Also on Shift: | <input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Bill <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Han <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon <input type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Kyle <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Zibi | | | | |
| Built data? | <input type="checkbox"/> Yes <input type="checkbox"/> No | | | | | | |
| Run Type: | <input type="checkbox"/> Data | Singles: | <input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP | | | | |
| S800 Trigger Bpx: | (1+) <input type="checkbox"/> S800 <input checked="" type="checkbox"/> Coin. | Ext.1 | <input type="checkbox"/> pulser <input type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/>) <input checked="" type="checkbox"/> Sec.: | | | | |
| HiRA Trigger: | <input checked="" type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl | Beam: | <input checked="" type="checkbox"/> 74Kr <input type="checkbox"/> 74Kr degraded <input type="checkbox"/> proton | | | | |
| Target: | <input type="checkbox"/> Viewer <input checked="" type="checkbox"/> CH2 100um <input type="checkbox"/> CH2 50um <input type="checkbox"/> out <input type="checkbox"/> Mask <input type="checkbox"/> Au <input type="checkbox"/> Alpha <input type="checkbox"/> Empty | Drive Positions: | 83 mm Target (I251Y-R) 70.5 mm MCP 0 (US) (I250Y-R) 107.5 mm MCP 1 (DS) (I250X-R) | | | | |
| MCP MCP 0 (US): | V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | | | | |
| MCP 1 (DS): | V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | | | | |
| MCP Voltage on? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | S800 Segment 8 Brho: | | | | | |
| CAEN Bias? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Comments: | | | | | |

| | | | | | | | |
|-------------------|---|----------------------|--|--------|------|-------|------|
| v. 3.4 Run # | 410 | Date: | 11/12/14 | Start: | 7:34 | Stop: | 7:37 |
| Your Name: | Rachel | Also on Shift: | <input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Bill <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Han <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon <input checked="" type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Kyle <input type="checkbox"/> Mingbo <input checked="" type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Zibi | | | | |
| Built data? | <input type="checkbox"/> Yes <input type="checkbox"/> No | | | | | | |
| Run Type: | <input type="checkbox"/> Data | Singles: | <input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP | | | | |
| S800 Trigger Box: | (1+) <input checked="" type="checkbox"/> S800 <input type="checkbox"/> Coin. | Ext.1 | <input type="checkbox"/> pulser <input type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/>) <input type="checkbox"/> Sec.: | | | | |
| HiRA Trigger: | <input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl | Beam: | <input type="checkbox"/> 74Kr <input type="checkbox"/> 74Kr degraded <input type="checkbox"/> proton | | | | |
| Target: | <input type="checkbox"/> Viewer <input checked="" type="checkbox"/> CH2 100um <input type="checkbox"/> CH2 50um <input type="checkbox"/> out <input type="checkbox"/> Mask <input type="checkbox"/> Au <input type="checkbox"/> Alpha <input type="checkbox"/> Empty | Drive Positions: | _____ mm Target (I251Y-R) _____ mm MCP 0 (US) (I250Y-R) _____ mm MCP 1 (DS) (I250X-R) | | | | |
| MCP MCP 0 (US): | V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | | | | |
| MCP 1 (DS): | V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | | | | |
| MCP Voltage on? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | S800 Segment 8 Brho: | | | | | |
| CAEN Bias? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Comments: | CRDC 1 mask run | | | | |

| | | | | | | | |
|-------------------|---|----------------------|--|--------|------|-------|--|
| v. 3.4 Run # | 411 | Date: | 11/12/14 | Start: | 7:38 | Stop: | |
| Your Name: | Rachel | Also on Shift: | <input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Bill <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Han <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon <input checked="" type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Kyle <input type="checkbox"/> Mingbo <input checked="" type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Zibi | | | | |
| Built data? | <input type="checkbox"/> Yes <input type="checkbox"/> No | | | | | | |
| Run Type: | <input type="checkbox"/> Data | Singles: | <input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP | | | | |
| S800 Trigger Box: | (1+) <input checked="" type="checkbox"/> S800 <input type="checkbox"/> Coin. | Ext.1 | <input type="checkbox"/> pulser <input type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/>) <input type="checkbox"/> Sec.: | | | | |
| HiRA Trigger: | <input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl | Beam: | <input type="checkbox"/> 74Kr <input type="checkbox"/> 74Kr degraded <input type="checkbox"/> proton | | | | |
| Target: | <input type="checkbox"/> Viewer <input checked="" type="checkbox"/> CH2 100um <input type="checkbox"/> CH2 50um <input type="checkbox"/> out <input type="checkbox"/> Mask <input type="checkbox"/> Au <input type="checkbox"/> Alpha <input type="checkbox"/> Empty | Drive Positions: | _____ mm Target (I251Y-R) _____ mm MCP 0 (US) (I250Y-R) _____ mm MCP 1 (DS) (I250X-R) | | | | |
| MCP MCP 0 (US): | V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | | | | |
| MCP 1 (DS): | V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | | | | |
| MCP Voltage on? | <input type="checkbox"/> Yes <input type="checkbox"/> No | S800 Segment 8 Brho: | | | | | |
| CAEN Bias? | <input type="checkbox"/> Yes <input type="checkbox"/> No | Comments: | CRDC 2 mask run | | | | |

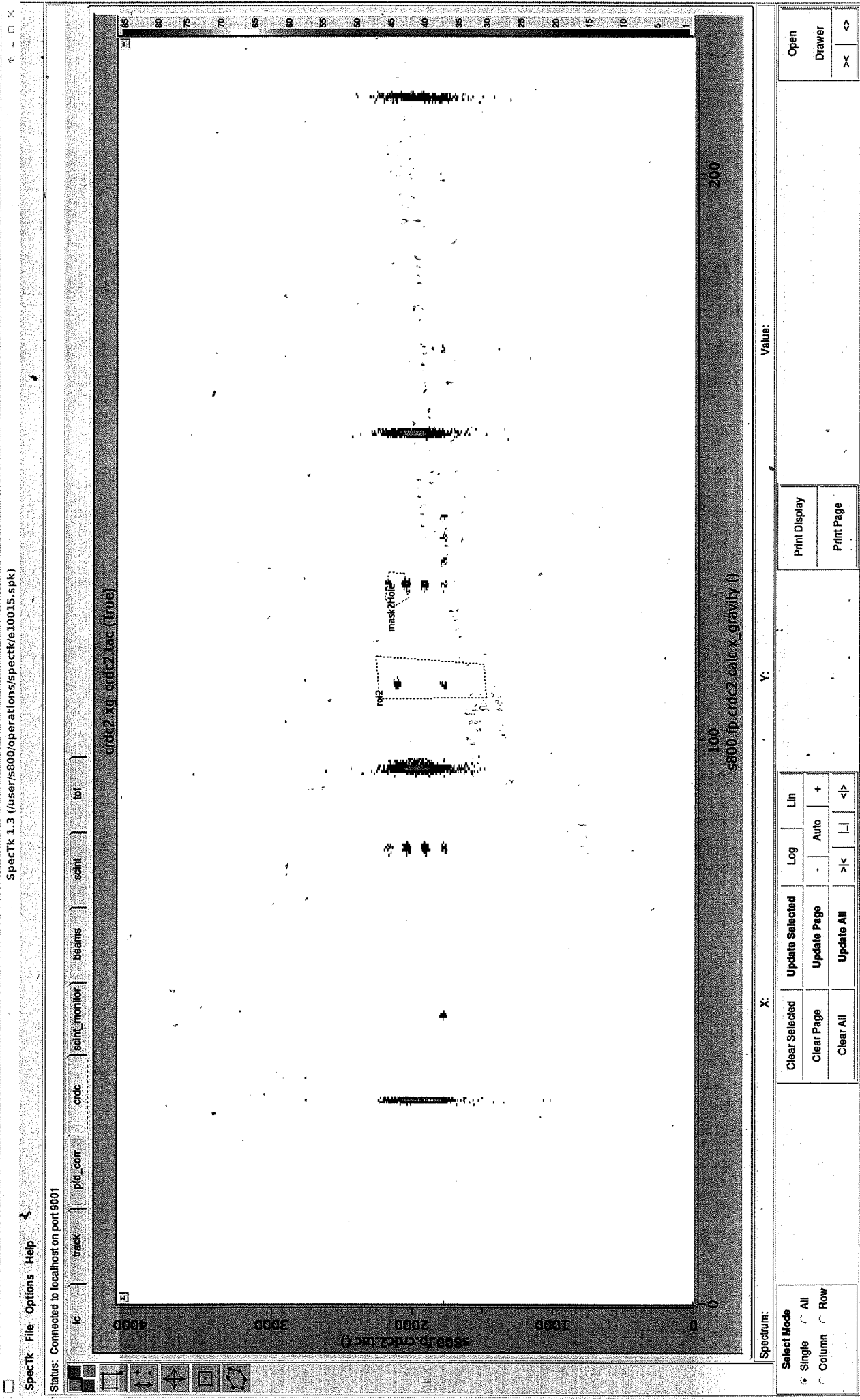
→ These mask runs lie ~ on top of runs 409, 405 data.

| | | | | | | | |
|-------------------|---|---|--|--|------|---|------|
| v. 3.4 Run # | 412 | Date: | 11/12/14 | Start: | 7:43 | Stop: | 8:24 |
| Your Name: | Rachel | Also on Shift: <input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Bill <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Han <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon | | | | | |
| Built data? | <input type="checkbox"/> Yes <input type="checkbox"/> No | <input checked="" type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Kyle <input type="checkbox"/> Mingbo <input checked="" type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Zibi <input type="checkbox"/> | | | | | |
| Run Type: | <input checked="" type="checkbox"/> Data | Singles: (<input type="checkbox"/> HIRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | | Calib: (<input type="checkbox"/> HIRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | | <input type="checkbox"/> CRDC <input type="checkbox"/> Junk | |
| S800 Trigger Box: | (1+) <input type="checkbox"/> S800 <input checked="" type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____) | <input checked="" type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____) | | <input checked="" type="checkbox"/> Sec.: _____ | | | |
| HiRA Trigger: | <input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl | | Beam: <input checked="" type="checkbox"/> 74Kr <input type="checkbox"/> 74Kr degraded <input type="checkbox"/> proton <input type="checkbox"/> | | | | |
| Target: | <input type="checkbox"/> Viewer <input checked="" type="checkbox"/> CH2 100um <input type="checkbox"/> CH2 50um <input type="checkbox"/> out | <input type="checkbox"/> Mask <input type="checkbox"/> Au <input type="checkbox"/> Alpha <input type="checkbox"/> Empty | | Drive Positions: | | | |
| MCP MCP 0 (US): | V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | 83 mm | | Target (I251Y-R) | |
| MCP 1 (DS): | V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | 70.5 mm | | MCP 0 (US) (I250Y-R) | |
| MCP Voltage on? | <input type="checkbox"/> Yes <input type="checkbox"/> No | S800 Segment 8 Brho: | | 107.5 mm | | MCP 1 (DS) (I250X-R) | |
| CAEN Bias? | <input type="checkbox"/> Yes <input type="checkbox"/> No | Comments: | | Vacuum: _____ e- torr | | | |

Gas mixture in CRDCs wrong! : CF₄ : C₄H₁₀ should be 4:1 instead it's 80:1. T. Baumann thinks bottle is out and scale reading is incorrect (by, for example, something pulling on scale). Key given to operator.

| | | | | | | | |
|-------------------|---|--|---|--|------|---|------|
| v. 3.4 Run # | 413 | Date: | 11/12/14 | Start: | 8:31 | Stop: | 8:34 |
| Your Name: | Justin | Also on Shift: <input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Bill <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Han <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input checked="" type="checkbox"/> Jon | | | | | |
| Built data? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | <input checked="" type="checkbox"/> Juan <input checked="" type="checkbox"/> Justin <input type="checkbox"/> Kyle <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Zibi <input type="checkbox"/> | | | | | |
| Run Type: | <input type="checkbox"/> Data | Singles: (<input type="checkbox"/> HIRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | | Calib: (<input type="checkbox"/> HIRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | | <input type="checkbox"/> CRDC <input type="checkbox"/> Junk | |
| S800 Trigger Box: | (1+) <input type="checkbox"/> S800 <input checked="" type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____) | <input checked="" type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____) | | <input checked="" type="checkbox"/> Sec.: _____ | | | |
| HiRA Trigger: | <input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl | | Beam: <input type="checkbox"/> 74Kr <input type="checkbox"/> 74Kr degraded <input type="checkbox"/> proton <input type="checkbox"/> | | | | |
| Target: | <input type="checkbox"/> Viewer <input type="checkbox"/> CH2 100um <input type="checkbox"/> CH2 50um <input type="checkbox"/> out | <input type="checkbox"/> Mask <input type="checkbox"/> Au <input checked="" type="checkbox"/> Alpha <input type="checkbox"/> Empty | | Drive Positions: | | | |
| MCP MCP 0 (US): | V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | 236.74 mm | | Target (I251Y-R) | |
| MCP 1 (DS): | V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | 70.5 mm | | MCP 0 (US) (I250Y-R) | |
| MCP Voltage on? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | S800 Segment 8 Brho: | | 107.5 mm | | MCP 1 (DS) (I250X-R) | |
| CAEN Bias? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Comments: | | Vacuum: 3.9 e-6 torr | | | |
| | | Forgot to change trigger & downscale factor | | | | | |

CRDC 2: Run 396, ~12 AM



200

100

s800.fp crdc2.calc.x_gravity ()

Value:

Y:

X:

Open
Drawer

Print Display
Print Page

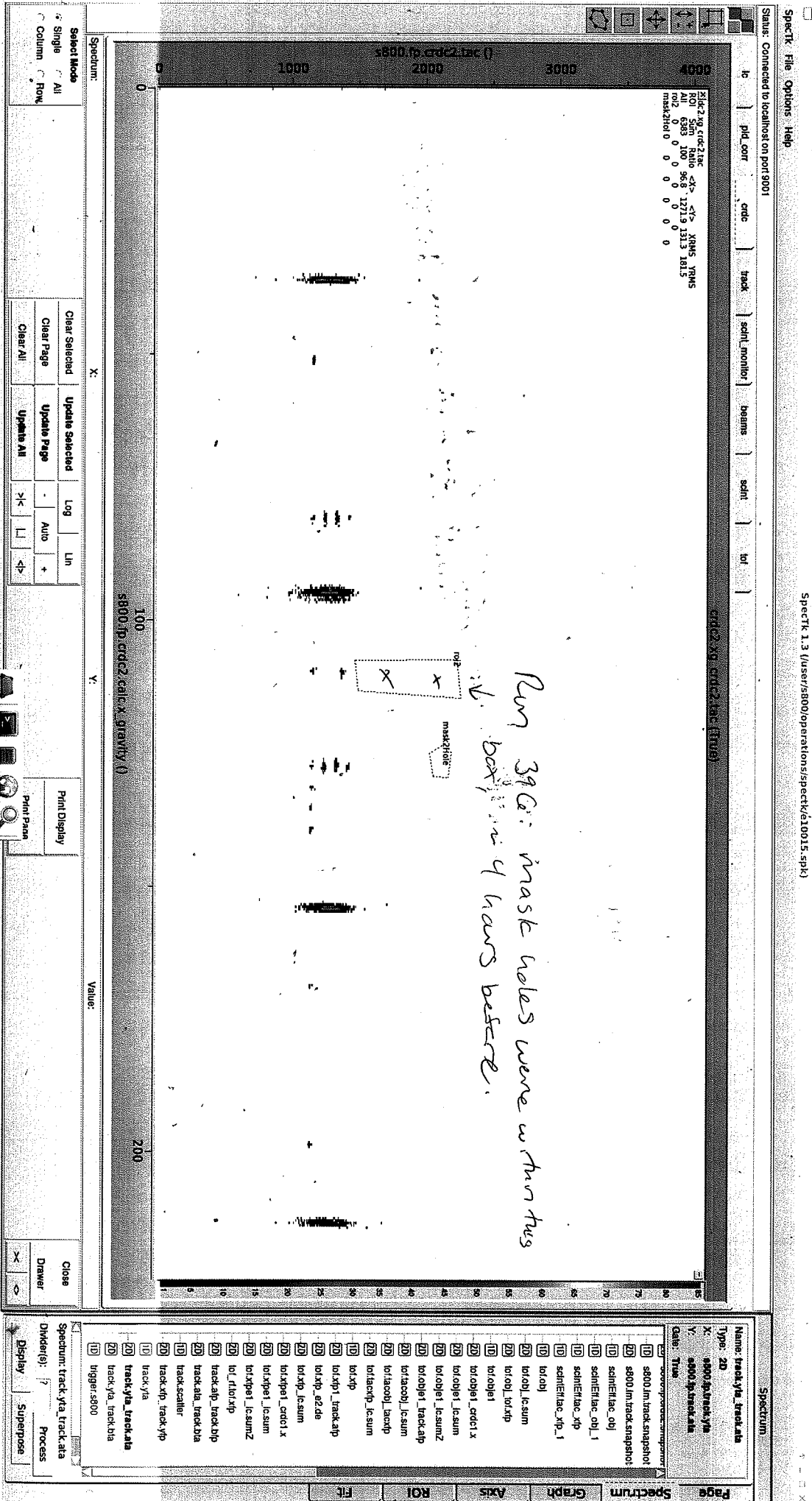
Clear Selected
Clear Page
Clear All

Update Selected
Update Page
Update All

Log
Auto
><

Lin
+
| |
<->

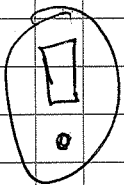
CRDC 2: Run 405, 4:30 AM.



| | | | | | | | |
|-------------------|---|---|--|---|----------------------|--|------|
| v. 3.4 Run # | 414 | Date: | 11/12/14 | Start: | 8:36 | Stop: | 9:35 |
| Your Name: | Justin | Also on Shift: | <input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Bill <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Han <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input checked="" type="checkbox"/> Jon <input checked="" type="checkbox"/> Juan <input checked="" type="checkbox"/> Justin <input type="checkbox"/> Kyle <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Zibi <input type="checkbox"/> _____ | | | | |
| Built data? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | | | | | | |
| Run Type: | <input type="checkbox"/> Data | Singles: | <input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP | | Calib: | <input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP <input type="checkbox"/> CRDC <input type="checkbox"/> Junk | |
| S800 Trigger Box: | (1+) <input type="checkbox"/> S800 <input type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____) <input type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____) | <input checked="" type="checkbox"/> Sec.: _____ | | | | | |
| HiRA Trigger: | <input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl | Beam: <input type="checkbox"/> 74Kr <input type="checkbox"/> 74Kr degraded <input type="checkbox"/> proton <input type="checkbox"/> _____ | | | | | |
| Target: | <input type="checkbox"/> Viewer <input type="checkbox"/> CH2 100um <input type="checkbox"/> CH2 50um <input type="checkbox"/> out <input type="checkbox"/> Mask <input type="checkbox"/> Au <input checked="" type="checkbox"/> Alpha <input type="checkbox"/> Empty | Drive Positions: | | 236.74 mm Target (I251Y-R) 70.5 mm MCP 0 (US) (I250Y-R) 107.5 mm MCP 1 (DS) (I250X-R) | | | |
| MCP MCP 0 (US): | V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | | | | |
| MCP 1 (DS): | V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | | | | |
| MCP Voltage on? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | S800 Segment 8 Brho: | | | Vacuum: 3.9 e-6 torr | | |
| CAEN Bias? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Comments: Changed trigger & demscale factor to 1 Alpha run | | | | | |

| | | | | | | | |
|-------------------|---|--|---|---|-----------------------|--|------|
| v. 3.4 Run # | 415 | Date: | 11/12/14 | Start: | 9:35 | Stop: | 9:56 |
| Your Name: | Jon | Also on Shift: | <input checked="" type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Bill <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Han <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input checked="" type="checkbox"/> Jon <input checked="" type="checkbox"/> Juan <input checked="" type="checkbox"/> Justin <input type="checkbox"/> Kyle <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Zibi <input type="checkbox"/> _____ | | | | |
| Built data? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | | | | | | |
| Run Type: | <input type="checkbox"/> Data | Singles: | <input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP | | Calib: | <input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP <input type="checkbox"/> CRDC <input type="checkbox"/> Junk | |
| S800 Trigger Box: | (1+) <input type="checkbox"/> S800 <input type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____) <input type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____) | <input checked="" type="checkbox"/> Sec.: DS 1 | | | | | |
| HiRA Trigger: | <input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl | Beam: <input type="checkbox"/> 74Kr <input type="checkbox"/> 74Kr degraded <input type="checkbox"/> proton <input checked="" type="checkbox"/> alpha | | | | | |
| Target: | <input type="checkbox"/> Viewer <input type="checkbox"/> CH2 100um <input type="checkbox"/> CH2 50um <input type="checkbox"/> out <input type="checkbox"/> Mask <input type="checkbox"/> Au <input checked="" type="checkbox"/> Alpha <input type="checkbox"/> Empty | Drive Positions: | | 236.74 mm Target (I251Y-R) 70.5 mm MCP 0 (US) (I250Y-R) 107.5 mm MCP 1 (DS) (I250X-R) | | | |
| MCP MCP 0 (US): | V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | | | | |
| MCP 1 (DS): | V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | | | | |
| MCP Voltage on? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | S800 Segment 8 Brho: | | | Vacuum: _____ e- torr | | |
| CAEN Bias? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Comments: Alpha run | | | | | |

* Gas bottle for CRDC has been changed, but it may take some time to equilibrate. 9:48 11/12/14



Next couple of runs may have questionable data! We will continue to run as gas equilibrates

| | | | | | | | |
|-------------------|---|--|----------|---|-------|-------|-------|
| v. 3.4 Run # | 416 | Date: | 11/12/14 | Start: | 10:18 | Stop: | 10:21 |
| Your Name: | Jon | Also on Shift: <input checked="" type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Bill <input type="checkbox"/> Cole <input checked="" type="checkbox"/> Corinne <input type="checkbox"/> Han <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input checked="" type="checkbox"/> Jon | | | | | |
| Built data? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | <input type="checkbox"/> Juan <input checked="" type="checkbox"/> Justin <input type="checkbox"/> Kyle <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Zibi <input type="checkbox"/> _____ | | | | | |
| Run Type: | Data | Singles: (<input type="checkbox"/> HiRA <input checked="" type="checkbox"/> S800 <input type="checkbox"/> MCP) | | Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) <input type="checkbox"/> CRDC <input type="checkbox"/> Junk | | | |
| S800 Trigger Box: | (1+) <input type="checkbox"/> S800 <input type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____) | <input type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____) | | <input type="checkbox"/> Sec.: _____ | | | |
| HiRA Trigger: | <input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl | Beam: <input checked="" type="checkbox"/> 74Kr <input type="checkbox"/> 74Kr degraded <input type="checkbox"/> proton <input type="checkbox"/> _____ | | | | | |
| Target: | <input type="checkbox"/> Viewer <input checked="" type="checkbox"/> CH2 100um <input type="checkbox"/> CH2 50um <input type="checkbox"/> out | <input type="checkbox"/> Mask <input type="checkbox"/> Au <input type="checkbox"/> Alpha <input type="checkbox"/> Empty | | Drive Positions: 83 mm Target (I251Y-R) | | | |
| MCP MCP 0 (US): | V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | 70.5 mm MCP 0 (US) (I250Y-R) | | | | | |
| MCP 1 (DS): | V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | 107.5 mm MCP 1 (DS) (I250X-R) | | | | | |
| MCP Voltage on? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | S800 Segment 8 Brho: | | Vacuum: _____ e- torr | | | |
| CAEN Bias? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Comments: gas bottle for CRDC changed | | | | | |

| | | | | | | | |
|-------------------|--|--|----------|---|-------|-------|-------|
| v. 3.4 Run # | 417 | Date: | 11/12/14 | Start: | 10:22 | Stop: | 10:53 |
| Your Name: | Jon | Also on Shift: <input checked="" type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Bill <input type="checkbox"/> Cole <input checked="" type="checkbox"/> Corinne <input type="checkbox"/> Han <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input checked="" type="checkbox"/> Jon | | | | | |
| Built data? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | <input type="checkbox"/> Juan <input checked="" type="checkbox"/> Justin <input type="checkbox"/> Kyle <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Zibi <input type="checkbox"/> _____ | | | | | |
| Run Type: | <input checked="" type="checkbox"/> Data | Singles: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | | Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) <input type="checkbox"/> CRDC <input type="checkbox"/> Junk | | | |
| S800 Trigger Box: | (1+) <input type="checkbox"/> S800 <input checked="" type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____) | <input checked="" type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____) | | <input checked="" type="checkbox"/> Sec.: _____ | | | |
| HiRA Trigger: | <input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl | Beam: <input checked="" type="checkbox"/> 74Kr <input type="checkbox"/> 74Kr degraded <input type="checkbox"/> proton <input type="checkbox"/> _____ | | | | | |
| Target: | <input type="checkbox"/> Viewer <input checked="" type="checkbox"/> CH2 100um <input type="checkbox"/> CH2 50um <input type="checkbox"/> out | <input type="checkbox"/> Mask <input type="checkbox"/> Au <input type="checkbox"/> Alpha <input type="checkbox"/> Empty | | Drive Positions: 83 mm Target (I251Y-R) | | | |
| MCP MCP 0 (US): | V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | 70.5 mm MCP 0 (US) (I250Y-R) | | | | | |
| MCP 1 (DS): | V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | 127.5 mm MCP 1 (DS) (I250X-R) | | | | | |
| MCP Voltage on? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | S800 Segment 8 Brho: | | Vacuum: _____ e- torr | | | |
| CAEN Bias? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Comments: gas bottle for CRDC changed | | | | | |

| | | | | | | | |
|-------------------|--|---|----------|---|-------|-------|--|
| v. 3.4 Run # | 418 | Date: | 11/12/14 | Start: | 10:53 | Stop: | |
| Your Name: | Justin | Also on Shift: <input checked="" type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Bill <input type="checkbox"/> Cole <input checked="" type="checkbox"/> Corinne <input type="checkbox"/> Han <input type="checkbox"/> Jack <input checked="" type="checkbox"/> Jenny <input checked="" type="checkbox"/> Jon | | | | | |
| Built data? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | <input type="checkbox"/> Juan <input checked="" type="checkbox"/> Justin <input type="checkbox"/> Kyle <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Zibi <input type="checkbox"/> _____ | | | | | |
| Run Type: | <input checked="" type="checkbox"/> Data | Singles: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | | Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) <input type="checkbox"/> CRDC <input type="checkbox"/> Junk | | | |
| S800 Trigger Box: | (1+) <input type="checkbox"/> S800 <input checked="" type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____) | <input checked="" type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____) | | <input checked="" type="checkbox"/> Sec.: _____ | | | |
| HiRA Trigger: | <input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl | Beam: <input checked="" type="checkbox"/> 74Kr <input type="checkbox"/> 74Kr degraded <input type="checkbox"/> proton <input type="checkbox"/> _____ | | | | | |
| Target: | <input type="checkbox"/> Viewer <input checked="" type="checkbox"/> CH2 100um <input type="checkbox"/> CH2 50um <input type="checkbox"/> out | <input type="checkbox"/> Mask <input type="checkbox"/> Au <input type="checkbox"/> Alpha <input type="checkbox"/> Empty | | Drive Positions: 83 mm Target (I251Y-R) | | | |
| MCP MCP 0 (US): | V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | 70.5 mm MCP 0 (US) (I250Y-R) | | | | | |
| MCP 1 (DS): | V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | 107.5 mm MCP 1 (DS) (I250X-R) | | | | | |
| MCP Voltage on? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | S800 Segment 8 Brho: | | Vacuum: _____ e- torr | | | |
| CAEN Bias? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Comments: | | | | | |

| | | | | | | | |
|-------------------|--|---|--|--|-----------------------------|-------------------------------|--|
| v. 3.4 Run # | 41A | Date: | | Start: | | Stop: | |
| Your Name: | Justin | Also on Shift: <input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Bill <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Han <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon | | | | | |
| Built data? | <input type="checkbox"/> Yes <input type="checkbox"/> No | <input type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Kyle <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Zibi <input type="checkbox"/> _____ | | | | | |
| Run Type: | <input type="checkbox"/> Data | Singles: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | | Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | | <input type="checkbox"/> CRDC | <input checked="" type="checkbox"/> Junk |
| S800 Trigger Box: | (1+) <input type="checkbox"/> S800 <input type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____) | <input type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____) | | <input type="checkbox"/> Sec.: _____ | | | |
| HIRA Trigger: | <input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl | Beam: <input type="checkbox"/> 74Kr <input type="checkbox"/> 74Kr degraded <input type="checkbox"/> proton <input type="checkbox"/> _____ | | | | | |
| Target: | <input type="checkbox"/> Viewer <input type="checkbox"/> Mask | <input type="checkbox"/> CH2 100um <input type="checkbox"/> Au | <input type="checkbox"/> CH2 50um <input type="checkbox"/> Alpha | <input type="checkbox"/> out <input type="checkbox"/> Empty | Drive Positions: | | |
| MCP MCP 0 (US): | V: _____ I: <input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | _____ mm | Target | (I251Y-R) | |
| MCP 1 (DS): | V: _____ I: <input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | _____ mm | MCP 0 (US) | (I250Y-R) | |
| MCP Voltage on? | <input type="checkbox"/> Yes <input type="checkbox"/> No | S800 Segment 8 Brho: | | | Vacuum: _____ e- _____ torr | | |
| CAEN Bias? | <input type="checkbox"/> Yes <input type="checkbox"/> No | Comments: Didn't put CRDC Mask in | | | | | |

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|-------------------|---|---|--|--|----------------------|--|-------------------------------|
| v. 3.4 Run # | 420 | Date: | 11/12/14 | Start: | 11:31 | Stop: | 11:41 |
| Your Name: | Justin | Also on Shift: <input checked="" type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Bill <input type="checkbox"/> Cole <input checked="" type="checkbox"/> Corinne <input type="checkbox"/> Han <input type="checkbox"/> Jack <input checked="" type="checkbox"/> Jenny <input checked="" type="checkbox"/> Jon | | | | | |
| Built data? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | <input type="checkbox"/> Juan <input type="checkbox"/> Justin <input checked="" type="checkbox"/> Kyle <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Zibi <input type="checkbox"/> _____ | | | | | |
| Run Type: | <input type="checkbox"/> Data | Singles: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | | Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | | <input checked="" type="checkbox"/> CRDC | <input type="checkbox"/> Junk |
| S800 Trigger Box: | (1+) <input checked="" type="checkbox"/> S800 <input type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____) | <input type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____) | | <input type="checkbox"/> Sec.: _____ | | | |
| HIRA Trigger: | <input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl | Beam: <input checked="" type="checkbox"/> 74Kr <input type="checkbox"/> 74Kr degraded <input type="checkbox"/> proton <input type="checkbox"/> _____ | | | | | |
| Target: | <input type="checkbox"/> Viewer <input type="checkbox"/> Mask | <input checked="" type="checkbox"/> CH2 100um <input type="checkbox"/> Au | <input type="checkbox"/> CH2 50um <input type="checkbox"/> Alpha | <input type="checkbox"/> out <input type="checkbox"/> Empty | Drive Positions: | | |
| MCP MCP 0 (US): | 68 mA V: 1.497 kV I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | _____ mm | Target | (I251Y-R) | |
| MCP 1 (DS): | 56 mA V: 1.755 kV I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | _____ mm | MCP 0 (US) | (I250Y-R) | |
| MCP Voltage on? | <input type="checkbox"/> Yes <input type="checkbox"/> No | S800 Segment 8 Brho: | | | Vacuum: 4.0 e-6 torr | | |
| CAEN Bias? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Comments: CRDC run Mask | | | | | |

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|-------------------|---|--|--|--|----------------------|--|-------------------------------|
| v. 3.4 Run # | 421 | Date: | 11/12/14 | Start: | 11:42 | Stop: | 11:51 |
| Your Name: | Corinne | Also on Shift: <input checked="" type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Bill <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Han <input type="checkbox"/> Jack <input checked="" type="checkbox"/> Jenny <input checked="" type="checkbox"/> Jon | | | | | |
| Built data? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | <input type="checkbox"/> Juan <input checked="" type="checkbox"/> Justin <input checked="" type="checkbox"/> Kyle <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Zibi <input type="checkbox"/> _____ | | | | | |
| Run Type: | <input type="checkbox"/> Data | Singles: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | | Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | | <input checked="" type="checkbox"/> CRDC | <input type="checkbox"/> Junk |
| S800 Trigger Box: | (1+) <input checked="" type="checkbox"/> S800 <input type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____) | <input type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____) | | <input type="checkbox"/> Sec.: _____ | | | |
| HIRA Trigger: | <input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl | Beam: <input checked="" type="checkbox"/> 74Kr <input type="checkbox"/> 74Kr degraded <input type="checkbox"/> proton <input type="checkbox"/> _____ | | | | | |
| Target: | <input type="checkbox"/> Viewer <input type="checkbox"/> Mask | <input checked="" type="checkbox"/> CH2 100um <input type="checkbox"/> Au | <input type="checkbox"/> CH2 50um <input type="checkbox"/> Alpha | <input type="checkbox"/> out <input type="checkbox"/> Empty | Drive Positions: | | |
| MCP MCP 0 (US): | V: _____ I: <input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | _____ mm | Target | (I251Y-R) | |
| MCP 1 (DS): | V: _____ I: <input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | _____ mm | MCP 0 (US) | (I250Y-R) | |
| MCP Voltage on? | <input type="checkbox"/> Yes <input type="checkbox"/> No | S800 Segment 8 Brho: | | | Vacuum: 4.0 e-6 torr | | |
| CAEN Bias? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Comments: CRDC run Mask | | | | | |

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|-------------------|--|---|--|---|-------|---|-------|
| v. 3.4 Run # | 422 | Date: | 11/12/14 | Start: | 11:50 | Stop: | 12:52 |
| Your Name: | Justine | Also on Shift: | <input checked="" type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Bill <input type="checkbox"/> Cole <input checked="" type="checkbox"/> Corinne <input type="checkbox"/> Han <input type="checkbox"/> Jack <input checked="" type="checkbox"/> Jenny <input checked="" type="checkbox"/> Jon (12:52) | | | | |
| Built data? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | <input type="checkbox"/> Juan <input checked="" type="checkbox"/> Justin <input checked="" type="checkbox"/> Kyle <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Zibi <input type="checkbox"/> | | | | | |
| Run Type: | <input checked="" type="checkbox"/> Data | Singles: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | | Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | | <input type="checkbox"/> CRDC <input type="checkbox"/> Junk | |
| S800 Trigger Box: | (1+) <input type="checkbox"/> S800 <input checked="" type="checkbox"/> Coin. | <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____) | | <input checked="" type="checkbox"/> Ext.2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____) | | <input checked="" type="checkbox"/> Sec.: _____ | |
| HIRA Trigger: | <input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl | | Beam: <input checked="" type="checkbox"/> 74Kr <input type="checkbox"/> 74Kr degraded <input type="checkbox"/> proton <input type="checkbox"/> | | | | |
| Target: | <input type="checkbox"/> Viewer <input checked="" type="checkbox"/> CH2 100um <input type="checkbox"/> CH2 50um <input type="checkbox"/> out | Drive Positions: | | | | | |
| | <input type="checkbox"/> Mask <input type="checkbox"/> Au <input type="checkbox"/> Alpha <input type="checkbox"/> Empty | | | | | | |
| MCP MCP 0 (US): | V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | mm | | Target | | (I251Y-R) | |
| MCP 1 (DS): | V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | mm | | MCP 0 (US) | | (I250Y-R) | |
| MCP Voltage on? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | S800 Segment 8 Brho: | | 2.2954 | | Vacuum: 4 e-6 torr | |
| CAEN Bias? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Comments: | | | | | |

| | | | | | | | |
|-------------------|--|---|---|---|-------|---|-------|
| v. 3.4 Run # | 423 | Date: | 11/12/14 | Start: | 12:53 | Stop: | 13:18 |
| Your Name: | Jon | Also on Shift: | <input checked="" type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Bill <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Han <input type="checkbox"/> Jack <input checked="" type="checkbox"/> Jenny <input checked="" type="checkbox"/> Jon | | | | |
| Built data? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | <input type="checkbox"/> Juan <input checked="" type="checkbox"/> Justin <input checked="" type="checkbox"/> Kyle <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Zibi <input type="checkbox"/> | | | | | |
| Run Type: | <input checked="" type="checkbox"/> Data | Singles: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | | Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | | <input type="checkbox"/> CRDC <input type="checkbox"/> Junk | |
| S800 Trigger Box: | (1+) <input type="checkbox"/> S800 <input checked="" type="checkbox"/> Coin. | <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____) | | <input checked="" type="checkbox"/> Ext.2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____) | | <input checked="" type="checkbox"/> Sec.: DS10 | |
| HIRA Trigger: | <input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl | | Beam: <input checked="" type="checkbox"/> 74Kr <input type="checkbox"/> 74Kr degraded <input type="checkbox"/> proton <input type="checkbox"/> | | | | |
| Target: | <input type="checkbox"/> Viewer <input checked="" type="checkbox"/> CH2 100um <input type="checkbox"/> CH2 50um <input type="checkbox"/> out | Drive Positions: | | | | | |
| | <input type="checkbox"/> Mask <input type="checkbox"/> Au <input type="checkbox"/> Alpha <input type="checkbox"/> Empty | | | | | | |
| MCP MCP 0 (US): | V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | mm | | Target | | (I251Y-R) | |
| MCP 1 (DS): | V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | mm | | MCP 0 (US) | | (I250Y-R) | |
| MCP Voltage on? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | S800 Segment 8 Brho: | | 2.2954 | | Vacuum: 3.9 e-6 torr | |
| CAEN Bias? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Comments: | | | | | |

| | | | | | | | |
|-------------------|--|---|---|---|-------|---|-------|
| v. 3.4 Run # | 424 | Date: | 11/12/14 | Start: | 13:19 | Stop: | 13:50 |
| Your Name: | Jon | Also on Shift: | <input checked="" type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Bill <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Han <input type="checkbox"/> Jack <input checked="" type="checkbox"/> Jenny <input checked="" type="checkbox"/> Jon | | | | |
| Built data? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | <input type="checkbox"/> Juan <input checked="" type="checkbox"/> Justin <input checked="" type="checkbox"/> Kyle <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Zibi <input type="checkbox"/> | | | | | |
| Run Type: | <input checked="" type="checkbox"/> Data | Singles: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | | Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | | <input type="checkbox"/> CRDC <input type="checkbox"/> Junk | |
| S800 Trigger Box: | (1+) <input type="checkbox"/> S800 <input checked="" type="checkbox"/> Coin. | <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____) | | <input checked="" type="checkbox"/> Ext.2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____) | | <input checked="" type="checkbox"/> Sec.: DS10 | |
| HIRA Trigger: | <input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl | | Beam: <input checked="" type="checkbox"/> 74Kr <input type="checkbox"/> 74Kr degraded <input type="checkbox"/> proton <input type="checkbox"/> | | | | |
| Target: | <input type="checkbox"/> Viewer <input checked="" type="checkbox"/> CH2 100um <input type="checkbox"/> CH2 50um <input type="checkbox"/> out | Drive Positions: | | | | | |
| | <input type="checkbox"/> Mask <input type="checkbox"/> Au <input type="checkbox"/> Alpha <input type="checkbox"/> Empty | | | | | | |
| MCP MCP 0 (US): | V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | 8.3 mm | | Target | | (I251Y-R) | |
| MCP 1 (DS): | V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | 70.5 mm | | MCP 0 (US) | | (I250Y-R) | |
| MCP Voltage on? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | S800 Segment 8 Brho: | | 107.5 mm | | MCP 1 (DS) (I250X-R) | |
| CAEN Bias? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Vacuum: | | 3.9 e-6 torr | | | |
| | | Comments: | | | | | |

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|-------------------|---|--|--|--------|-------|-------|-------|
| v. 3.4 Run # | 425-426 | Date: | 11/12/14 | Start: | 13:50 | Stop: | 15:02 |
| Your Name: | Kyu | Also on Shift: | <input checked="" type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Bill <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Han <input type="checkbox"/> Jack <input checked="" type="checkbox"/> Jenny <input type="checkbox"/> Jon | | | | |
| Built data? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | <input type="checkbox"/> Juan <input checked="" type="checkbox"/> Justin <input checked="" type="checkbox"/> Kyle <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Zibi | | | | | |
| Run Type: | <input checked="" type="checkbox"/> Data | Singles: | <input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP | | | | |
| S800 Trigger Box: | (1+) <input type="checkbox"/> S800 <input checked="" type="checkbox"/> Coin. | Ext. 1 | <input type="checkbox"/> pulser <input type="checkbox"/> Ext. 2 <input type="checkbox"/> MCP DS <input type="checkbox"/> Sec.: | | | | |
| HiRA Trigger: | <input checked="" type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl | Beam: | <input checked="" type="checkbox"/> 74Kr <input type="checkbox"/> 74Kr degraded <input type="checkbox"/> proton | | | | |
| Target: | <input type="checkbox"/> Viewer <input checked="" type="checkbox"/> CH2 100um <input type="checkbox"/> CH2 50um <input type="checkbox"/> out <input type="checkbox"/> Mask <input type="checkbox"/> Au <input type="checkbox"/> Alpha <input type="checkbox"/> Empty | Drive Positions: | _____ mm Target (I251Y-R) _____ mm MCP 0 (US) (I250Y-R) _____ mm MCP 1 (DS) (I250X-R) | | | | |
| MCP MCP 0 (US): | V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | | | | |
| MCP 1 (DS): | V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | | | | |
| MCP Voltage on? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | S800 Segment 8 Brho: | _____ e- torr | | | | |
| CAEN Bias? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Comments: | | | | | |

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|-------------------|---|--|---|--------|-------|-------|-------|
| v. 3.4 Run # | 427 | Date: | 11/12/14 | Start: | 15:02 | Stop: | 15:36 |
| Your Name: | Jon | Also on Shift: | <input checked="" type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Bill <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Han <input type="checkbox"/> Jack <input checked="" type="checkbox"/> Jenny <input checked="" type="checkbox"/> Jon | | | | |
| Built data? | <input type="checkbox"/> Yes <input type="checkbox"/> No | <input type="checkbox"/> Juan <input checked="" type="checkbox"/> Justin <input checked="" type="checkbox"/> Kyle <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Zibi | | | | | |
| Run Type: | <input checked="" type="checkbox"/> Data | Singles: | <input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP | | | | |
| S800 Trigger Box: | (1+) <input type="checkbox"/> S800 <input checked="" type="checkbox"/> Coin. | Ext. 1 | <input type="checkbox"/> pulser <input type="checkbox"/> Ext. 2 <input type="checkbox"/> MCP DS <input type="checkbox"/> Sec.: DS10 | | | | |
| HiRA Trigger: | <input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl | Beam: | <input checked="" type="checkbox"/> 74Kr <input type="checkbox"/> 74Kr degraded <input type="checkbox"/> proton | | | | |
| Target: | <input type="checkbox"/> Viewer <input checked="" type="checkbox"/> CH2 100um <input type="checkbox"/> CH2 50um <input type="checkbox"/> out <input type="checkbox"/> Mask <input type="checkbox"/> Au <input type="checkbox"/> Alpha <input type="checkbox"/> Empty | Drive Positions: | 83 mm Target (I251Y-R) 70.5 mm MCP 0 (US) (I250Y-R) 107.5 mm MCP 1 (DS) (I250X-R) | | | | |
| MCP MCP 0 (US): | V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | | | | |
| MCP 1 (DS): | V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | | | | |
| MCP Voltage on? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | S800 Segment 8 Brho: | 3.8 e-6 torr | | | | |
| CAEN Bias? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Comments: | | | | | |

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|-------------------|--|--|--|--------|-------|-------|-------|
| v. 3.4 Run # | 428 | Date: | 11/12/14 | Start: | 15:36 | Stop: | 15:38 |
| Your Name: | Jon | Also on Shift: | <input checked="" type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Bill <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Han <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input checked="" type="checkbox"/> Jon | | | | |
| Built data? | <input type="checkbox"/> Yes <input type="checkbox"/> No | <input type="checkbox"/> Juan <input checked="" type="checkbox"/> Justin <input checked="" type="checkbox"/> Kyle <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Zibi | | | | | |
| Run Type: | <input type="checkbox"/> Data | Singles: | <input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP | | | | |
| S800 Trigger Box: | (1+) <input type="checkbox"/> S800 <input type="checkbox"/> Coin. | Ext. 1 | <input type="checkbox"/> pulser <input type="checkbox"/> Ext. 2 <input type="checkbox"/> MCP DS <input type="checkbox"/> Sec.: | | | | |
| HiRA Trigger: | <input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl | Beam: | <input type="checkbox"/> 74Kr <input type="checkbox"/> 74Kr degraded <input type="checkbox"/> proton | | | | |
| Target: | <input type="checkbox"/> Viewer <input type="checkbox"/> CH2 100um <input type="checkbox"/> CH2 50um <input type="checkbox"/> out <input type="checkbox"/> Mask <input type="checkbox"/> Au <input type="checkbox"/> Alpha <input type="checkbox"/> Empty | Drive Positions: | _____ mm Target (I251Y-R) _____ mm MCP 0 (US) (I250Y-R) _____ mm MCP 1 (DS) (I250X-R) | | | | |
| MCP MCP 0 (US): | V: _____ I: <input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | | | | |
| MCP 1 (DS): | V: _____ I: <input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | | | | |
| MCP Voltage on? | <input type="checkbox"/> Yes <input type="checkbox"/> No | S800 Segment 8 Brho: | _____ e- torr | | | | |
| CAEN Bias? | <input type="checkbox"/> Yes <input type="checkbox"/> No | Comments: | MCP Pedestal run Junk | | | | |

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|-------------------|---|---|----------|--|-----------------------|---|-------|
| v. 3.4 Run # | 42a | Date: | 11/12/14 | Start: | 15:38 | Stop: | 16:04 |
| Your Name: | Jon | Also on Shift: <input checked="" type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Bill <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Han <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input checked="" type="checkbox"/> Jon | | | | | |
| Built data? | <input type="checkbox"/> Yes <input type="checkbox"/> No | <input type="checkbox"/> Juan <input checked="" type="checkbox"/> Justin <input checked="" type="checkbox"/> Kyle <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Zibi <input type="checkbox"/> | | | | | |
| Run Type: | <input checked="" type="checkbox"/> Data | Singles: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | | Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | | <input type="checkbox"/> CRDC <input type="checkbox"/> Junk | |
| S800 Trigger Box: | (1+) <input type="checkbox"/> S800 <input checked="" type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____) <input checked="" type="checkbox"/> Ext.2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____) <input checked="" type="checkbox"/> Sec.: _____ | | | | | | |
| HiRA Trigger: | <input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl | | | Beam: <input checked="" type="checkbox"/> 74Kr <input type="checkbox"/> 74Kr degraded <input type="checkbox"/> proton <input type="checkbox"/> | | | |
| Target: | <input type="checkbox"/> Viewer <input checked="" type="checkbox"/> CH2 100um <input type="checkbox"/> CH2 50um <input type="checkbox"/> out | Drive Positions: | | 83 mm Target (I251Y-R) | | | |
| | <input type="checkbox"/> Mask <input type="checkbox"/> Au <input type="checkbox"/> Alpha <input type="checkbox"/> Empty | | | 70.5 mm MCP 0 (US) (I250Y-R) | | | |
| MCP MCP 0 (US): | V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | 107.5 mm MCP 1 (DS) (I250X-R) | | | |
| MCP 1 (DS): | V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | | | | |
| MCP Voltage on? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | S800 Segment 8 Brho: | | | Vacuum: _____ e- torr | | |
| CAEN Bias? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Comments: Title is wrong! beginning of run (til 15:43) This is Data! beam blocker was in | | | | | |

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|-------------------|--|---|----------|--|-----------------------|--|--|
| v. 3.4 Run # | 420 | Date: | 11/12/14 | Start: | 16:05 | Stop: | |
| Your Name: | Jon | Also on Shift: <input checked="" type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Bill <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Han <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input checked="" type="checkbox"/> Jon | | | | | |
| Built data? | <input type="checkbox"/> Yes <input type="checkbox"/> No | <input type="checkbox"/> Juan <input checked="" type="checkbox"/> Justin <input type="checkbox"/> Kyle <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input checked="" type="checkbox"/> Suwat <input type="checkbox"/> Zibi <input type="checkbox"/> | | | | | |
| Run Type: | <input type="checkbox"/> Data | Singles: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | | Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | | <input checked="" type="checkbox"/> CRDC <input type="checkbox"/> Junk | |
| S800 Trigger Box: | (1+) <input type="checkbox"/> S800 <input type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____) <input type="checkbox"/> Ext.2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____) <input type="checkbox"/> Sec.: _____ | | | | | | |
| HiRA Trigger: | <input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl | | | Beam: <input checked="" type="checkbox"/> 74Kr <input type="checkbox"/> 74Kr degraded <input type="checkbox"/> proton <input type="checkbox"/> | | | |
| Target: | <input type="checkbox"/> Viewer <input checked="" type="checkbox"/> CH2 100um <input type="checkbox"/> CH2 50um <input type="checkbox"/> out | Drive Positions: | | 83 mm Target (I251Y-R) | | | |
| | <input type="checkbox"/> Mask <input type="checkbox"/> Au <input type="checkbox"/> Alpha <input type="checkbox"/> Empty | | | 70.5 mm MCP 0 (US) (I250Y-R) | | | |
| MCP MCP 0 (US): | V: _____ I: <input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | 107.5 mm MCP 1 (DS) (I250X-R) | | | |
| MCP 1 (DS): | V: _____ I: <input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | | | | |
| MCP Voltage on? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | S800 Segment 8 Brho: | | | Vacuum: _____ e- torr | | |
| CAEN Bias? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Comments: CRDC 1 Mask run | | | | | |

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|-------------------|--|--|----------|--|-----------------------|--|--|
| v. 3.4 Run # | 431 | Date: | 11/12/14 | Start: | 16:17 | Stop: | |
| Your Name: | Suwat | Also on Shift: <input checked="" type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Bill <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Han <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon | | | | | |
| Built data? | <input type="checkbox"/> Yes <input type="checkbox"/> No | <input type="checkbox"/> Juan <input checked="" type="checkbox"/> Justin <input type="checkbox"/> Kyle <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input checked="" type="checkbox"/> Suwat <input type="checkbox"/> Zibi <input type="checkbox"/> | | | | | |
| Run Type: | <input type="checkbox"/> Data | Singles: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | | Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | | <input checked="" type="checkbox"/> CRDC <input type="checkbox"/> Junk | |
| S800 Trigger Box: | (1+) <input type="checkbox"/> S800 <input type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____) <input type="checkbox"/> Ext.2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____) <input type="checkbox"/> Sec.: _____ | | | | | | |
| HiRA Trigger: | <input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl | | | Beam: <input checked="" type="checkbox"/> 74Kr <input type="checkbox"/> 74Kr degraded <input type="checkbox"/> proton <input type="checkbox"/> | | | |
| Target: | <input type="checkbox"/> Viewer <input type="checkbox"/> CH2 100um <input checked="" type="checkbox"/> CH2 50um <input type="checkbox"/> out | Drive Positions: | | 83 mm Target (I251Y-R) | | | |
| | <input type="checkbox"/> Mask <input type="checkbox"/> Au <input type="checkbox"/> Alpha <input type="checkbox"/> Empty | | | _____ mm MCP 0 (US) (I250Y-R) | | | |
| MCP MCP 0 (US): | V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | _____ mm MCP 1 (DS) (I250X-R) | | | |
| MCP 1 (DS): | V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | | | | |
| MCP Voltage on? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | S800 Segment 8 Brho: | | | Vacuum: _____ e- torr | | |
| CAEN Bias? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Comments: CRDC 2 Mask run | | | | | |

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|-------------------|--|--|--|---|-------|--------------------------------------|-------------------------------|
| v. 3.4 Run # | 432 | Date: | 11/2/14 | Start: | 18:00 | Stop: | |
| Your Name: | Lynch | Also on Shift: <input checked="" type="checkbox"/> Andy <input type="checkbox"/> Ben <input checked="" type="checkbox"/> Bill <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Han <input type="checkbox"/> Jack <input checked="" type="checkbox"/> Jenny <input type="checkbox"/> Jon | | | | | |
| Built data? | <input type="checkbox"/> Yes <input type="checkbox"/> No | <input type="checkbox"/> Juan <input checked="" type="checkbox"/> Justin <input checked="" type="checkbox"/> Kyle <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Zibi <input type="checkbox"/> | | | | | |
| Run Type: | Data | Singles: (<input type="checkbox"/> HiRA <input checked="" type="checkbox"/> S800 <input checked="" type="checkbox"/> MCP) | | Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input checked="" type="checkbox"/> MCP) | | <input type="checkbox"/> CRDC | <input type="checkbox"/> Junk |
| S800 Trigger Box: | (1+) <input checked="" type="checkbox"/> S800 <input checked="" type="checkbox"/> Coin. | <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____) | | <input type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____) | | <input type="checkbox"/> Sec.: _____ | |
| HIRA Trigger: | <input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl | | Beam: <input checked="" type="checkbox"/> 74Kr <input type="checkbox"/> 74Kr degraded <input type="checkbox"/> proton <input type="checkbox"/> | | | | |
| Target: | <input type="checkbox"/> Viewer <input checked="" type="checkbox"/> CH2 100um <input type="checkbox"/> CH2 50um <input type="checkbox"/> out | Drive Positions: | | | | | |
| | <input type="checkbox"/> Mask <input type="checkbox"/> Au <input type="checkbox"/> Alpha <input type="checkbox"/> Empty | 8.3 mm | | Target (I251Y-R) | | | |
| MCP MCP 0 (US): | V: 1800 I: <input type="checkbox"/> foil <input checked="" type="checkbox"/> mask <input type="checkbox"/> out | 188 mm | | MCP 0 (US) (I250Y-R) | | | |
| MCP 1 (DS): | V: 1750 I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | 107.5 mm | | MCP 1 (DS) (I250X-R) | | | |
| MCP Voltage on? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | S800 Segment 8 Brho: | | Vacuum: 3.8 e-6 torr | | | |
| CAEN Bias? | <input type="checkbox"/> Yes <input type="checkbox"/> No | Comments: Calibration run for MCP 0 with mask in | | | | | |

| | | | | | | | |
|-------------------|---|---|---|--|--|--------------------------------------|--|
| v. 3.4 Run # | 434 | Date: | | Start: | | Stop: | |
| Your Name: | | Also on Shift: <input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Bill <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Han <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon | | | | | |
| Built data? | <input type="checkbox"/> Yes <input type="checkbox"/> No | <input type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Kyle <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Zibi <input type="checkbox"/> | | | | | |
| Run Type: | <input type="checkbox"/> Data | Singles: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | | Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | | <input type="checkbox"/> CRDC | <input checked="" type="checkbox"/> Junk |
| S800 Trigger Box: | (1+) <input type="checkbox"/> S800 <input type="checkbox"/> Coin. | <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____) | | <input type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____) | | <input type="checkbox"/> Sec.: _____ | |
| HIRA Trigger: | <input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl | | Beam: <input type="checkbox"/> 74Kr <input type="checkbox"/> 74Kr degraded <input type="checkbox"/> proton <input type="checkbox"/> | | | | |
| Target: | <input type="checkbox"/> Viewer <input type="checkbox"/> CH2 100um <input type="checkbox"/> CH2 50um <input type="checkbox"/> out | Drive Positions: | | | | | |
| | <input type="checkbox"/> Mask <input type="checkbox"/> Au <input type="checkbox"/> Alpha <input type="checkbox"/> Empty | _____ mm | | Target (I251Y-R) | | | |
| MCP MCP 0 (US): | V: _____ I: <input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | _____ mm | | MCP 0 (US) (I250Y-R) | | | |
| MCP 1 (DS): | V: _____ I: <input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | _____ mm | | MCP 1 (DS) (I250X-R) | | | |
| MCP Voltage on? | <input type="checkbox"/> Yes <input type="checkbox"/> No | S800 Segment 8 Brho: | | Vacuum: _____ e- torr | | | |
| CAEN Bias? | <input type="checkbox"/> Yes <input type="checkbox"/> No | Comments: Junk | | | | | |

| | | | | | | | |
|-------------------|---|---|--|---|--|--------------------------------------|-------------------------------|
| v. 3.4 Run # | 435 | Date: | | Start: | | Stop: | |
| Your Name: | | Also on Shift: <input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Bill <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Han <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon | | | | | |
| Built data? | <input type="checkbox"/> Yes <input type="checkbox"/> No | <input type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Kyle <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Zibi <input type="checkbox"/> | | | | | |
| Run Type: | <input type="checkbox"/> Data | Singles: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | | Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input checked="" type="checkbox"/> MCP) | | <input type="checkbox"/> CRDC | <input type="checkbox"/> Junk |
| S800 Trigger Box: | (1+) <input type="checkbox"/> S800 <input type="checkbox"/> Coin. | <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____) | | <input type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____) | | <input type="checkbox"/> Sec.: _____ | |
| HIRA Trigger: | <input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl | | Beam: <input checked="" type="checkbox"/> 74Kr <input type="checkbox"/> 74Kr degraded <input type="checkbox"/> proton <input type="checkbox"/> | | | | |
| Target: | <input type="checkbox"/> Viewer <input type="checkbox"/> CH2 100um <input type="checkbox"/> CH2 50um <input type="checkbox"/> out | Drive Positions: | | | | | |
| | <input type="checkbox"/> Mask <input type="checkbox"/> Au <input type="checkbox"/> Alpha <input type="checkbox"/> Empty | _____ mm | | Target (I251Y-R) | | | |
| MCP MCP 0 (US): | V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | _____ mm | | MCP 0 (US) (I250Y-R) | | | |
| MCP 1 (DS): | V: _____ I: <input type="checkbox"/> foil <input checked="" type="checkbox"/> mask <input type="checkbox"/> out | _____ mm | | MCP 1 (DS) (I250X-R) | | | |
| MCP Voltage on? | <input type="checkbox"/> Yes <input type="checkbox"/> No | S800 Segment 8 Brho: | | Vacuum: _____ e- torr | | | |
| CAEN Bias? | <input type="checkbox"/> Yes <input type="checkbox"/> No | Comments: MCP 1 Mask at 178mm | | | | | |

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|---|---|---|---|
| v. 3.4 Run # 436 | Date: | Start: | Stop: |
| Your Name: | Also on Shift: <input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Bill <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Han <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon | | |
| Built data? <input type="checkbox"/> Yes <input type="checkbox"/> No | <input type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Kyle <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Zibi <input type="checkbox"/> | | |
| Run Type: <input type="checkbox"/> Data | Singles: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input checked="" type="checkbox"/> MCP) | <input type="checkbox"/> CRDC <input type="checkbox"/> Junk |
| S800 Trigger Box: (1+) <input type="checkbox"/> S800 <input type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> | <input type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> | | |
| HiRA Trigger: <input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl | Beam: <input checked="" type="checkbox"/> 74Kr <input type="checkbox"/> 74Kr degraded <input type="checkbox"/> proton <input type="checkbox"/> | | |
| Target: <input type="checkbox"/> Viewer <input type="checkbox"/> CH2 100um <input type="checkbox"/> CH2 50um <input type="checkbox"/> out | Drive Positions: | | |
| <input type="checkbox"/> Mask <input type="checkbox"/> Au <input type="checkbox"/> Alpha <input type="checkbox"/> Empty | _____ mm | Target | (I251Y-R) |
| MCP MCP 0 (US): V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | _____ mm | MCP 0 (US) | (I250Y-R) |
| MCP 1 (DS): V: _____ I: <input type="checkbox"/> foil <input checked="" type="checkbox"/> mask <input type="checkbox"/> out | _____ mm | MCP 1 (DS) | (I250X-R) |
| MCP Voltage on? <input type="checkbox"/> Yes <input type="checkbox"/> No | S800 Segment 8 Brho: | Vacuum: _____ e- torr | |
| CAEN Bias? <input type="checkbox"/> Yes <input type="checkbox"/> No | Comments: MCP 1 Mask at 173mm | | |

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|---|---|---|---|
| v. 3.3 Run # 437 | Date: | Start: | Stop: |
| Your Name: | Also on Shift: <input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Bill <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Han <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon | | |
| Built data? <input type="checkbox"/> Yes <input type="checkbox"/> No | <input type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Kyle <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Zibi <input type="checkbox"/> | | |
| Run Type: <input type="checkbox"/> Data | Singles: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input checked="" type="checkbox"/> MCP) | <input type="checkbox"/> CRDC <input type="checkbox"/> Junk |
| S800 Trigger Box: (1+) <input type="checkbox"/> S800 <input type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> | <input type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> | | |
| HiRA Trigger: <input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl | Beam: <input checked="" type="checkbox"/> 74Kr <input type="checkbox"/> 74Kr degraded <input type="checkbox"/> proton <input type="checkbox"/> | | |
| Target: <input type="checkbox"/> Viewer <input type="checkbox"/> CH2 100um <input type="checkbox"/> CH2 50um <input type="checkbox"/> out | Drive Positions: | | |
| <input type="checkbox"/> Mask <input type="checkbox"/> Au <input type="checkbox"/> Alpha <input type="checkbox"/> Empty | _____ mm | Target | (I251Y-R) |
| MCP MCP 0 (US): V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | _____ mm | MCP 0 (US) | (I250Y-R) |
| MCP 1 (DS): V: _____ I: <input type="checkbox"/> foil <input checked="" type="checkbox"/> mask <input type="checkbox"/> out | _____ mm | MCP 1 (DS) | (I250X-R) |
| MCP Voltage on? <input type="checkbox"/> Yes <input type="checkbox"/> No | S800 Segment 8 Brho: | Vacuum: _____ e- torr | |
| CAEN Bias? <input type="checkbox"/> Yes <input type="checkbox"/> No | Comments: MCP 1 Mask at 175.5 mm | | |

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|--|---|---|---|
| v. 3.3 Run # 438 | Date: | Start: | Stop: |
| Your Name: | Also on Shift: <input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Bill <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Han <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon | | |
| Built data? <input type="checkbox"/> Yes <input type="checkbox"/> No | <input type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Kyle <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Zibi <input type="checkbox"/> | | |
| Run Type: <input type="checkbox"/> Data | Singles: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input checked="" type="checkbox"/> MCP) | <input type="checkbox"/> CRDC <input type="checkbox"/> Junk |
| S800 Trigger Box: (1+) <input checked="" type="checkbox"/> S800 <input type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> | <input checked="" type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> | | |
| HiRA Trigger: <input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl | Beam: <input checked="" type="checkbox"/> 74Kr <input type="checkbox"/> 74Kr degraded <input type="checkbox"/> proton <input type="checkbox"/> | | |
| Target: <input type="checkbox"/> Viewer <input type="checkbox"/> CH2 100um <input type="checkbox"/> CH2 50um <input type="checkbox"/> out | Drive Positions: | | |
| <input type="checkbox"/> Mask <input type="checkbox"/> Au <input type="checkbox"/> Alpha <input type="checkbox"/> Empty | _____ mm | Target | (I251Y-R) |
| MCP MCP 0 (US): V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | _____ mm | MCP 0 (US) | (I250Y-R) |
| MCP 1 (DS): V: _____ I: <input type="checkbox"/> foil <input checked="" type="checkbox"/> mask <input type="checkbox"/> out | _____ mm | MCP 1 (DS) | (I250X-R) |
| MCP Voltage on? <input type="checkbox"/> Yes <input type="checkbox"/> No | S800 Segment 8 Brho: | Vacuum: _____ e- torr | |
| CAEN Bias? <input type="checkbox"/> Yes <input type="checkbox"/> No | Comments: MCP 1 Mask at 176.75 mm | | |

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|-------------------|--|--|----------|---|--|----------------------|--|
| v. 3.3 Run # | 439 | Date: | 11/12/14 | Start: | | Stop: | |
| Your Name: | Suwat | Also on Shift: <input checked="" type="checkbox"/> Andy <input type="checkbox"/> Ben <input checked="" type="checkbox"/> Bill <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Han <input type="checkbox"/> Jack <input checked="" type="checkbox"/> Jenny <input type="checkbox"/> Jon | | | | | |
| Built data? | <input type="checkbox"/> Yes <input type="checkbox"/> No | <input type="checkbox"/> Juan <input type="checkbox"/> Justin <input checked="" type="checkbox"/> Kyle <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input checked="" type="checkbox"/> Suwat <input type="checkbox"/> Zibi <input type="checkbox"/> | | | | | |
| Run Type: | <input type="checkbox"/> Data | Singles: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | | Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input checked="" type="checkbox"/> MCP) <input type="checkbox"/> CRDC <input type="checkbox"/> Junk | | | |
| S800 Trigger Box: | (1+) <input checked="" type="checkbox"/> S800 <input type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____) <input type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____) <input type="checkbox"/> Sec.: _____ | | | | | | |
| HiRA Trigger: | <input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl | Beam: <input checked="" type="checkbox"/> 74Kr <input type="checkbox"/> 74Kr degraded <input type="checkbox"/> proton <input type="checkbox"/> | | | | | |
| Target: | <input type="checkbox"/> Viewer <input type="checkbox"/> CH2 100um <input type="checkbox"/> CH2 50um <input type="checkbox"/> out <input type="checkbox"/> Mask <input type="checkbox"/> Au <input type="checkbox"/> Alpha <input type="checkbox"/> Empty | | | Drive Positions: | | | |
| MCP MCP 0 (US): | V: _____ I: <input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | _____ mm | | Target (I251Y-R) | |
| MCP 1 (DS): | V: _____ I: <input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | 129.25 mm | | MCP 0 (US) (I250Y-R) | |
| MCP Voltage on? | <input type="checkbox"/> Yes <input type="checkbox"/> No | S800 Segment 8 Brho: | | Vacuum: _____ e- torr | | | |
| CAEN Bias? | <input type="checkbox"/> Yes <input type="checkbox"/> No | Comments: MCP 1 calibration - MCP 0 at 129.25 mm | | | | | |

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|-------------------|--|---|----------|---|--|----------------------|--|
| v. 3.3 Run # | 440 | Date: | 11/12/14 | Start: | | Stop: | |
| Your Name: | Suwat | Also on Shift: <input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Bill <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Han <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon | | | | | |
| Built data? | <input type="checkbox"/> Yes <input type="checkbox"/> No | <input type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Kyle <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Zibi <input type="checkbox"/> | | | | | |
| Run Type: | <input type="checkbox"/> Data | Singles: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | | Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input checked="" type="checkbox"/> MCP) <input type="checkbox"/> CRDC <input type="checkbox"/> Junk | | | |
| S800 Trigger Box: | (1+) <input checked="" type="checkbox"/> S800 <input type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____) <input type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____) <input type="checkbox"/> Sec.: _____ | | | | | | |
| HiRA Trigger: | <input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl | Beam: <input type="checkbox"/> 74Kr <input type="checkbox"/> 74Kr degraded <input type="checkbox"/> proton <input type="checkbox"/> | | | | | |
| Target: | <input type="checkbox"/> Viewer <input type="checkbox"/> CH2 100um <input type="checkbox"/> CH2 50um <input type="checkbox"/> out <input type="checkbox"/> Mask <input type="checkbox"/> Au <input type="checkbox"/> Alpha <input type="checkbox"/> Empty | | | Drive Positions: | | | |
| MCP MCP 0 (US): | V: _____ I: <input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | _____ mm | | Target (I251Y-R) | |
| MCP 1 (DS): | V: _____ I: <input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | 70.5 mm | | MCP 0 (US) (I250Y-R) | |
| MCP Voltage on? | <input type="checkbox"/> Yes <input type="checkbox"/> No | S800 Segment 8 Brho: | | Vacuum: _____ e- torr | | | |
| CAEN Bias? | <input type="checkbox"/> Yes <input type="checkbox"/> No | Comments: MCP 1 Calibration | | | | | |

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|-------------------|--|--|----------|---|-------|----------------------|--|
| v. 3.3 Run # | 441 | Date: | 11/12/14 | Start: | 19:37 | Stop: | |
| Your Name: | Suwat | Also on Shift: <input checked="" type="checkbox"/> Andy <input type="checkbox"/> Ben <input checked="" type="checkbox"/> Bill <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Han <input type="checkbox"/> Jack <input checked="" type="checkbox"/> Jenny <input type="checkbox"/> Jon | | | | | |
| Built data? | <input type="checkbox"/> Yes <input type="checkbox"/> No | <input type="checkbox"/> Juan <input type="checkbox"/> Justin <input checked="" type="checkbox"/> Kyle <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input checked="" type="checkbox"/> Suwat <input type="checkbox"/> Zibi <input type="checkbox"/> | | | | | |
| Run Type: | <input type="checkbox"/> Data | Singles: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | | Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input checked="" type="checkbox"/> MCP) <input type="checkbox"/> CRDC <input type="checkbox"/> Junk | | | |
| S800 Trigger Box: | (1+) <input checked="" type="checkbox"/> S800 <input type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____) <input type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____) <input type="checkbox"/> Sec.: _____ | | | | | | |
| HiRA Trigger: | <input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl | Beam: <input type="checkbox"/> 74Kr <input type="checkbox"/> 74Kr degraded <input type="checkbox"/> proton <input type="checkbox"/> | | | | | |
| Target: | <input type="checkbox"/> Viewer <input type="checkbox"/> CH2 100um <input type="checkbox"/> CH2 50um <input type="checkbox"/> out <input type="checkbox"/> Mask <input type="checkbox"/> Au <input type="checkbox"/> Alpha <input type="checkbox"/> Empty | | | Drive Positions: | | | |
| MCP MCP 0 (US): | V: _____ I: <input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | _____ mm | | Target (I251Y-R) | |
| MCP 1 (DS): | V: _____ I: <input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | 70.5 mm | | MCP 0 (US) (I250Y-R) | |
| MCP Voltage on? | <input type="checkbox"/> Yes <input type="checkbox"/> No | S800 Segment 8 Brho: | | Vacuum: _____ e- torr | | | |
| CAEN Bias? | <input type="checkbox"/> Yes <input type="checkbox"/> No | Comments: MCP 1 Calibration | | | | | |

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|-------------------|--|----------------------|---|--------|-------|-------|--|
| v. 3.3 Run # | 442 | Date: | 11/12/14 | Start: | 20:43 | Stop: | |
| Your Name: | | Also on Shift: | <input checked="" type="checkbox"/> Andy <input type="checkbox"/> Ben <input checked="" type="checkbox"/> Bill <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Han <input type="checkbox"/> Jack <input checked="" type="checkbox"/> Jenny <input type="checkbox"/> Jon | | | | |
| Built data? | <input type="checkbox"/> Yes <input type="checkbox"/> No | | <input type="checkbox"/> Juan <input type="checkbox"/> Justin <input checked="" type="checkbox"/> Kyle <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input checked="" type="checkbox"/> Suwat <input type="checkbox"/> Zibi <input type="checkbox"/> _____ | | | | |
| Run Type: | <input type="checkbox"/> Data | Singles: | <input type="checkbox"/> HIRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) Calib: (<input type="checkbox"/> HIRA <input type="checkbox"/> S800 <input checked="" type="checkbox"/> MCP) <input type="checkbox"/> CRDC <input type="checkbox"/> Junk | | | | |
| S800 Trigger Box: | (1+) <input checked="" type="checkbox"/> S800 <input type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____) <input type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____) <input type="checkbox"/> Sec.: _____ | | | | | | |
| HiRA Trigger: | <input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl | Beam: | <input checked="" type="checkbox"/> 74Kr <input type="checkbox"/> 74Kr degraded <input type="checkbox"/> proton <input type="checkbox"/> _____ | | | | |
| Target: | <input type="checkbox"/> Viewer <input checked="" type="checkbox"/> CH2 100um <input type="checkbox"/> CH2 50um <input type="checkbox"/> out <input type="checkbox"/> Mask <input type="checkbox"/> Au <input type="checkbox"/> Alpha <input type="checkbox"/> Empty | Drive Positions: | 83 mm Target (I251Y-R) 188 mm MCP 0 (US) (I250Y-R) 107 mm MCP 1 (DS) (I250X-R) | | | | |
| MCP MCP 0 (US): | V: _____ I: <input type="checkbox"/> foil <input checked="" type="checkbox"/> mask <input type="checkbox"/> out | | | | | | |
| MCP 1 (DS): | V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | | | | |
| MCP Voltage on? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | S800 Segment 8 Brho: | Vacuum: _____ e- torr | | | | |
| CAEN Bias? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Comments: | MCP 0 calibration | | | | |

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|-------------------|--|----------------------|--|--------|-------|-------|-------|
| v. 3.3 Run # | 443 | Date: | 11/12/14 11/12/14 | Start: | 21:39 | Stop: | 21:47 |
| Your Name: | Kyle | Also on Shift: | <input checked="" type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Bill <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Han <input type="checkbox"/> Jack <input checked="" type="checkbox"/> Jenny <input type="checkbox"/> Jon | | | | |
| Built data? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | | <input type="checkbox"/> Juan <input type="checkbox"/> Justin <input checked="" type="checkbox"/> Kyle <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Zibi <input type="checkbox"/> _____ | | | | |
| Run Type: | <input type="checkbox"/> Data | Singles: | <input type="checkbox"/> HIRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) Calib: (<input type="checkbox"/> HIRA <input type="checkbox"/> S800 <input checked="" type="checkbox"/> MCP) <input type="checkbox"/> CRDC <input type="checkbox"/> Junk | | | | |
| S800 Trigger Box: | (1+) <input checked="" type="checkbox"/> S800 <input type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____) <input type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____) <input type="checkbox"/> Sec.: _____ | | | | | | |
| HiRA Trigger: | <input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl | Beam: | <input checked="" type="checkbox"/> 74Kr <input type="checkbox"/> 74Kr degraded <input type="checkbox"/> proton <input type="checkbox"/> _____ | | | | |
| Target: | <input type="checkbox"/> Viewer <input checked="" type="checkbox"/> CH2 100um <input type="checkbox"/> CH2 50um <input type="checkbox"/> out <input type="checkbox"/> Mask <input type="checkbox"/> Au <input type="checkbox"/> Alpha <input type="checkbox"/> Empty | Drive Positions: | 83 mm Target (I251Y-R) 188 mm MCP 0 (US) (I250Y-R) 107.5 mm MCP 1 (DS) (I250X-R) | | | | |
| MCP MCP 0 (US): | V: _____ I: <input type="checkbox"/> foil <input checked="" type="checkbox"/> mask <input type="checkbox"/> out | | | | | | |
| MCP 1 (DS): | V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | | | | |
| MCP Voltage on? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | S800 Segment 8 Brho: | Vacuum: _____ e- torr | | | | |
| CAEN Bias? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Comments: | MCP 0 Calib | | | | |

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|-------------------|--|----------------------|---|--------|-------|-------|--|
| v. 3.3 Run # | 444 | Date: | 11/12/14 | Start: | 21:55 | Stop: | |
| Your Name: | Kyle | Also on Shift: | <input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Bill <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Han <input type="checkbox"/> Jack <input checked="" type="checkbox"/> Jenny <input type="checkbox"/> Jon | | | | |
| Built data? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | | <input type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Kyle <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Zibi <input type="checkbox"/> _____ | | | | |
| Run Type: | <input type="checkbox"/> Data | Singles: | <input type="checkbox"/> HIRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) Calib: (<input type="checkbox"/> HIRA <input type="checkbox"/> S800 <input checked="" type="checkbox"/> MCP) <input type="checkbox"/> CRDC <input type="checkbox"/> Junk | | | | |
| S800 Trigger Box: | (1+) <input checked="" type="checkbox"/> S800 <input type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____) <input type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____) <input type="checkbox"/> Sec.: _____ | | | | | | |
| HiRA Trigger: | <input checked="" type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl | Beam: | <input checked="" type="checkbox"/> 74Kr <input type="checkbox"/> 74Kr degraded <input type="checkbox"/> proton <input type="checkbox"/> _____ | | | | |
| Target: | <input type="checkbox"/> Viewer <input type="checkbox"/> CH2 100um <input type="checkbox"/> CH2 50um <input type="checkbox"/> out <input checked="" type="checkbox"/> Mask <input type="checkbox"/> Au <input type="checkbox"/> Alpha <input type="checkbox"/> Empty | Drive Positions: | 164.5 mm Target (I251Y-R) 70.5 mm MCP 0 (US) (I250Y-R) 107.5 mm MCP 1 (DS) (I250X-R) | | | | |
| MCP MCP 0 (US): | V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | | | | |
| MCP 1 (DS): | V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | | | | |
| MCP Voltage on? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | S800 Segment 8 Brho: | Vacuum: _____ e- torr | | | | |
| CAEN Bias? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Comments: | Target Mask for MCP Calib. | | | | |

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|-------------------|--|----------------------|---|--------|-------|-------|--|
| v.3.3 Run # | 445 | Date: | 11/12/14 | Start: | 22:35 | Stop: | |
| Your Name: | Suwat | Also on Shift: | <input checked="" type="checkbox"/> Andy <input type="checkbox"/> Ben <input checked="" type="checkbox"/> Bill <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Han <input type="checkbox"/> Jack <input checked="" type="checkbox"/> Jenny <input type="checkbox"/> Jon <input type="checkbox"/> Juan <input type="checkbox"/> Justin <input checked="" type="checkbox"/> Kyle <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input checked="" type="checkbox"/> Suwat <input type="checkbox"/> Zibi | | | | |
| Built data? | <input type="checkbox"/> Yes <input type="checkbox"/> No | | | | | | |
| Run Type: | <input type="checkbox"/> Data | Singles: | <input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP | | | | |
| S800 Trigger Box: | (1+) <input type="checkbox"/> S800 <input type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser) | Calib: | <input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP <input type="checkbox"/> CRDC <input type="checkbox"/> Junk | | | | |
| HiRA Trigger: | <input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl | Beam: | <input checked="" type="checkbox"/> 74Kr <input type="checkbox"/> 74Kr degraded <input type="checkbox"/> proton | | | | |
| Target: | <input type="checkbox"/> Viewer <input type="checkbox"/> CH2 100um <input type="checkbox"/> CH2 50um <input type="checkbox"/> out <input type="checkbox"/> Mask <input type="checkbox"/> Au <input type="checkbox"/> Alpha <input type="checkbox"/> Empty | Drive Positions: | 165.5 mm Target (I251Y-R) 70.5 mm MCP 0 (US) (I250Y-R) 107.5 mm MCP 1 (DS) (I250X-R) | | | | |
| MCP MCP 0 (US): | V: _____ I: <input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | | | | |
| MCP 1 (DS): | V: _____ I: <input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | | | | |
| MCP Voltage on? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | S800 Segment 8 Brho: | | | | | |
| CAEN Bias? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Comments: | MCP single with mcp downscoted | | | | |

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|-------------------|---|----------------------|---|--------|-------|-------|--|
| v.3.3 Run # | 447 | Date: | 11/12/14 | Start: | 23:09 | Stop: | |
| Your Name: | Suwat | Also on Shift: | <input checked="" type="checkbox"/> Andy <input type="checkbox"/> Ben <input checked="" type="checkbox"/> Bill <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Han <input type="checkbox"/> Jack <input checked="" type="checkbox"/> Jenny <input type="checkbox"/> Jon <input type="checkbox"/> Juan <input type="checkbox"/> Justin <input checked="" type="checkbox"/> Kyle <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input checked="" type="checkbox"/> Suwat <input type="checkbox"/> Zibi | | | | |
| Built data? | <input type="checkbox"/> Yes <input type="checkbox"/> No | | | | | | |
| Run Type: | <input type="checkbox"/> Data | Singles: | <input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP | | | | |
| S800 Trigger Box: | (1+) <input checked="" type="checkbox"/> S800 <input type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser) | Calib: | <input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP <input type="checkbox"/> CRDC <input type="checkbox"/> Junk | | | | |
| HiRA Trigger: | <input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl | Beam: | <input checked="" type="checkbox"/> 74Kr <input type="checkbox"/> 74Kr degraded <input type="checkbox"/> proton | | | | |
| Target: | <input type="checkbox"/> Viewer <input type="checkbox"/> CH2 100um <input type="checkbox"/> CH2 50um <input type="checkbox"/> out <input checked="" type="checkbox"/> Mask <input type="checkbox"/> Au <input type="checkbox"/> Alpha <input type="checkbox"/> Empty | Drive Positions: | 169.5 mm Target (I251Y-R) 70.5 mm MCP 0 (US) (I250Y-R) 107.5 mm MCP 1 (DS) (I250X-R) | | | | |
| MCP MCP 0 (US): | V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | | | | |
| MCP 1 (DS): | V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | | | | |
| MCP Voltage on? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | S800 Segment 8 Brho: | | | | | |
| CAEN Bias? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Comments: | No blocker and Target mask | | | | |

* run 448 Junk

| | | | | | | | |
|-------------------|---|----------------------|---|--------|-------|-------|-------|
| v.3.3 Run # | 449 | Date: | 11/12/14 | Start: | 23:45 | Stop: | 00:07 |
| Your Name: | Suwat | Also on Shift: | <input checked="" type="checkbox"/> Andy <input type="checkbox"/> Ben <input checked="" type="checkbox"/> Bill <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Han <input type="checkbox"/> Jack <input checked="" type="checkbox"/> Jenny <input type="checkbox"/> Jon <input type="checkbox"/> Juan <input type="checkbox"/> Justin <input checked="" type="checkbox"/> Kyle <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input checked="" type="checkbox"/> Suwat <input type="checkbox"/> Zibi | | | | |
| Built data? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | | | | | | |
| Run Type: | <input checked="" type="checkbox"/> Data | Singles: | <input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP | | | | |
| S800 Trigger Box: | (1+) <input type="checkbox"/> S800 <input checked="" type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser) | Calib: | <input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP <input type="checkbox"/> CRDC <input type="checkbox"/> Junk | | | | |
| HiRA Trigger: | <input checked="" type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl | Beam: | <input type="checkbox"/> 74Kr <input type="checkbox"/> 74Kr degraded <input type="checkbox"/> proton | | | | |
| Target: | <input type="checkbox"/> Viewer <input checked="" type="checkbox"/> CH2 100um <input type="checkbox"/> CH2 50um <input type="checkbox"/> out <input type="checkbox"/> Mask <input type="checkbox"/> Au <input type="checkbox"/> Alpha <input type="checkbox"/> Empty | Drive Positions: | 83 mm Target (I251Y-R) 70.5 mm MCP 0 (US) (I250Y-R) 107.5 mm MCP 1 (DS) (I250X-R) | | | | |
| MCP MCP 0 (US): | 68 μ A V: 1.79k I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | | | | |
| MCP 1 (DS): | 57 μ A V: 1.75k I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | | | | |
| MCP Voltage on? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | S800 Segment 8 Brho: | | | | | |
| CAEN Bias? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Comments: | | | | | |

| | | | | | | | |
|-------------------|--|---|---|--------|-------|-------|------------------------|
| v. 3.3 Run # | 450 | Date: | 11/13/14 | Start: | 00:50 | Stop: | 00:53 00:53 |
| Your Name: | Juan | Also on Shift: | <input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Bill <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Han <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon <input checked="" type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Kyle <input type="checkbox"/> Mingbo <input checked="" type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Zibi <input type="checkbox"/> _____ | | | | |
| Built data? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | | | | | | |
| Run Type: | <input checked="" type="checkbox"/> Data | Singles: | <input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) <input type="checkbox"/> CRDC <input type="checkbox"/> Junk | | | | |
| S800 Trigger Box: | (1+) <input type="checkbox"/> S800 <input checked="" type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____) <input checked="" type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____) <input checked="" type="checkbox"/> Sec.: | | | | | | |
| HiRA Trigger: | <input checked="" type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl | Beam: | <input checked="" type="checkbox"/> 74Kr <input type="checkbox"/> 74Kr degraded <input type="checkbox"/> proton <input type="checkbox"/> _____ | | | | |
| Target: | <input type="checkbox"/> Viewer <input checked="" type="checkbox"/> CH2 100um <input type="checkbox"/> CH2 50um <input type="checkbox"/> out <input type="checkbox"/> Mask <input type="checkbox"/> Au <input type="checkbox"/> Alpha <input type="checkbox"/> Empty | Drive Positions: | _____ mm Target (I251Y-R) _____ mm MCP 0 (US) (I250Y-R) _____ mm MCP 1 (DS) (I250X-R) | | | | |
| MCP MCP 0 (US): | V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | | | | |
| MCP 1 (DS): | V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | | | | |
| MCP Voltage on? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | S800 Segment 8 Brho: | Vacuum: _____ e- torr | | | | |
| CAEN Bias? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Comments: <i>Stopped to do a mask run instead</i> | | | | | |

| | | | | | | | |
|-------------------|---|---|---|--------|-------|-------|-------|
| v. 3.3 Run # | 451 | Date: | 11/13/14 | Start: | 00:55 | Stop: | 01:08 |
| Your Name: | Juan | Also on Shift: | <input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Bill <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Han <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon <input checked="" type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Kyle <input type="checkbox"/> Mingbo <input checked="" type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Zibi <input type="checkbox"/> _____ | | | | |
| Built data? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | | | | | | |
| Run Type: | <input type="checkbox"/> Data | Singles: | <input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) Calib: (<input type="checkbox"/> HiRA <input checked="" type="checkbox"/> S800 <input type="checkbox"/> MCP) <input checked="" type="checkbox"/> CRDC <input type="checkbox"/> Junk | | | | |
| S800 Trigger Box: | (1+) <input type="checkbox"/> S800 <input type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____) <input type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____) <input type="checkbox"/> Sec.: | | | | | | |
| HiRA Trigger: | <input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl | Beam: | <input type="checkbox"/> 74Kr <input type="checkbox"/> 74Kr degraded <input type="checkbox"/> proton <input type="checkbox"/> _____ | | | | |
| Target: | <input type="checkbox"/> Viewer <input type="checkbox"/> CH2 100um <input type="checkbox"/> CH2 50um <input type="checkbox"/> out <input type="checkbox"/> Mask <input type="checkbox"/> Au <input type="checkbox"/> Alpha <input type="checkbox"/> Empty | Drive Positions: | _____ mm Target (I251Y-R) _____ mm MCP 0 (US) (I250Y-R) _____ mm MCP 1 (DS) (I250X-R) | | | | |
| MCP MCP 0 (US): | V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | | | | |
| MCP 1 (DS): | V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | | | | |
| MCP Voltage on? | <input type="checkbox"/> Yes <input type="checkbox"/> No | S800 Segment 8 Brho: | Vacuum: _____ e- torr | | | | |
| CAEN Bias? | <input type="checkbox"/> Yes <input type="checkbox"/> No | Comments: <i>CRDC 1 Mask - (Title wrong!)</i> | | | | | |

| | | | | | | | |
|-------------------|--|------------------------------|---|--------|------|-------|------|
| v. 3.3 Run # | 452 | Date: | 11/13/14 | Start: | 1:00 | Stop: | 1:03 |
| Your Name: | Juan | Also on Shift: | <input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Bill <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Han <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon <input checked="" type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Kyle <input type="checkbox"/> Mingbo <input checked="" type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Zibi <input type="checkbox"/> _____ | | | | |
| Built data? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | | | | | | |
| Run Type: | <input type="checkbox"/> Data | Singles: | <input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) Calib: (<input type="checkbox"/> HiRA <input checked="" type="checkbox"/> S800 <input type="checkbox"/> MCP) <input checked="" type="checkbox"/> CRDC <input type="checkbox"/> Junk | | | | |
| S800 Trigger Box: | (1+) <input type="checkbox"/> S800 <input checked="" type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____) <input checked="" type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____) <input checked="" type="checkbox"/> Sec.: | | | | | | |
| HiRA Trigger: | <input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl | Beam: | <input checked="" type="checkbox"/> 74Kr <input type="checkbox"/> 74Kr degraded <input type="checkbox"/> proton <input type="checkbox"/> _____ | | | | |
| Target: | <input type="checkbox"/> Viewer <input checked="" type="checkbox"/> CH2 100um <input type="checkbox"/> CH2 50um <input type="checkbox"/> out <input type="checkbox"/> Mask <input type="checkbox"/> Au <input type="checkbox"/> Alpha <input type="checkbox"/> Empty | Drive Positions: | _____ mm Target (I251Y-R) _____ mm MCP 0 (US) (I250Y-R) _____ mm MCP 1 (DS) (I250X-R) | | | | |
| MCP MCP 0 (US): | V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | | | | |
| MCP 1 (DS): | V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | | | | |
| MCP Voltage on? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | S800 Segment 8 Brho: | Vacuum: _____ e- torr | | | | |
| CAEN Bias? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Comments: <i>CRDC 2 Mask</i> | | | | | |

| | | | |
|---|---|--|---|
| v. 3.3 Run # 453 453 | Date: 11/13/14 | Start: 9:05 | Stop: 1413 |
| Your Name: Juan | Also on Shift: <input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Bill <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Han <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon | | |
| Built data? <input type="checkbox"/> Yes <input type="checkbox"/> No | <input checked="" type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Kyle <input type="checkbox"/> Mingbo <input checked="" type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Zibi <input type="checkbox"/> _____ | | |
| Run Type: <input type="checkbox"/> Data | Singles: (<input type="checkbox"/> HiRA <input checked="" type="checkbox"/> S800 <input type="checkbox"/> MCP) | Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | <input type="checkbox"/> CRDC <input type="checkbox"/> Junk |
| S800 Trigger Box: (1+) <input checked="" type="checkbox"/> S800 <input type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____) | <input type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____) | | <input type="checkbox"/> Sec.: _____ |
| HiRA Trigger: <input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl | Beam: <input checked="" type="checkbox"/> 74Kr <input type="checkbox"/> 74Kr degraded <input type="checkbox"/> proton <input type="checkbox"/> _____ | | |
| Target: <input type="checkbox"/> Viewer <input checked="" type="checkbox"/> CH2 100um <input type="checkbox"/> CH2 50um <input type="checkbox"/> out | Drive Positions: | | |
| <input type="checkbox"/> Mask <input type="checkbox"/> Au <input type="checkbox"/> Alpha <input type="checkbox"/> Empty | _____ mm | Target | (I251Y-R) |
| MCP MCP 0 (US): V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | _____ mm | MCP 0 (US) | (I250Y-R) |
| MCP 1 (DS): V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | _____ mm | MCP 1 (DS) | (I250X-R) |
| MCP Voltage on? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | S800 Segment 8 Brho: _____ | Vacuum: _____ e- torr | |
| CAEN Bias? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Comments: S800 singles | | |

| | | | |
|---|---|--|---|
| v. 3.3 Run # 454 | Date: 11/13/14 | Start: 1:13 | Stop: 1:56 |
| Your Name: Juan | Also on Shift: <input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Bill <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Han <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon | | |
| Built data? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | <input checked="" type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Kyle <input type="checkbox"/> Mingbo <input checked="" type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Zibi <input type="checkbox"/> _____ | | |
| Run Type: <input checked="" type="checkbox"/> Data | Singles: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | <input type="checkbox"/> CRDC <input type="checkbox"/> Junk |
| S800 Trigger Box: (1+) <input type="checkbox"/> S800 <input checked="" type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____) | <input type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____) | | <input checked="" type="checkbox"/> Sec.: _____ |
| HiRA Trigger: <input checked="" type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl | Beam: <input checked="" type="checkbox"/> 74Kr <input type="checkbox"/> 74Kr degraded <input type="checkbox"/> proton <input type="checkbox"/> _____ | | |
| Target: <input type="checkbox"/> Viewer <input checked="" type="checkbox"/> CH2 100um <input type="checkbox"/> CH2 50um <input type="checkbox"/> out | Drive Positions: | | |
| <input type="checkbox"/> Mask <input type="checkbox"/> Au <input type="checkbox"/> Alpha <input type="checkbox"/> Empty | _____ mm | Target | (I251Y-R) |
| MCP MCP 0 (US): V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | _____ mm | MCP 0 (US) | (I250Y-R) |
| MCP 1 (DS): V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | _____ mm | MCP 1 (DS) | (I250X-R) |
| MCP Voltage on? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | S800 Segment 8 Brho: _____ | Vacuum: _____ e- torr | |
| CAEN Bias? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Comments: Beam low (~4000 counts in E1), operators working on it. instability from source. | | |

→ took keys to look at source.

| | | | |
|--|--|---|---|
| v. 3.3 Run # 455 | Date: 11/13/14 | Start: 1:58 | Stop: 2:10 |
| Your Name: Rachel | Also on Shift: <input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Bill <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Han <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon | | |
| Built data? <input type="checkbox"/> Yes <input type="checkbox"/> No | <input type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Kyle <input type="checkbox"/> Mingbo <input checked="" type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Zibi <input type="checkbox"/> _____ | | |
| Run Type: <input type="checkbox"/> Data | Singles: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | Calib: (<input checked="" type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | <input type="checkbox"/> CRDC <input type="checkbox"/> Junk |
| S800 Trigger Box: (1+) <input type="checkbox"/> S800 <input type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____) | <input type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____) | | <input checked="" type="checkbox"/> Sec.: DS1 |
| HiRA Trigger: <input checked="" type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl | Beam: <input checked="" type="checkbox"/> 74Kr <input type="checkbox"/> 74Kr degraded <input type="checkbox"/> proton <input type="checkbox"/> _____ | | |
| Target: <input type="checkbox"/> Viewer <input type="checkbox"/> CH2 100um <input type="checkbox"/> CH2 50um <input type="checkbox"/> out | Drive Positions: | | |
| <input type="checkbox"/> Mask <input type="checkbox"/> Au <input checked="" type="checkbox"/> Alpha <input type="checkbox"/> Empty | 236 mm | Target | (I251Y-R) |
| MCP MCP 0 (US): V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | 70.5 mm | MCP 0 (US) | (I250Y-R) |
| MCP 1 (DS): V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | 107.5 mm | MCP 1 (DS) | (I250X-R) |
| MCP Voltage on? <input type="checkbox"/> Yes <input type="checkbox"/> No | S800 Segment 8 Brho: _____ | Vacuum: _____ e- torr | |
| CAEN Bias? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Comments: Alpha run while ops examine source | | |

| | | | | | | | |
|-------------------|---|---|----------|--|------|--|------|
| v. 3.3 Run # | 456 | Date: | 11/13/14 | Start: | 2:12 | Stop: | 2:14 |
| Your Name: | Rachel | Also on Shift: <input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Bill <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Han <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon | | | | | |
| Built data? | <input type="checkbox"/> Yes <input type="checkbox"/> No | <input type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Kyle <input type="checkbox"/> Mingbo <input checked="" type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Zibi <input type="checkbox"/> | | | | | |
| Run Type: | <input checked="" type="checkbox"/> Data | Singles: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | | Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | | <input type="checkbox"/> CRDC <input checked="" type="checkbox"/> Junk | |
| S800 Trigger Box: | (1+) <input type="checkbox"/> S800 <input checked="" type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____) | <input checked="" type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____) | | <input checked="" type="checkbox"/> Sec.: DS 10 | | | |
| HiRA Trigger: | <input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl | Beam: <input type="checkbox"/> 74Kr <input type="checkbox"/> 74Kr degraded <input type="checkbox"/> proton <input type="checkbox"/> | | | | | |
| Target: | <input type="checkbox"/> Viewer <input checked="" type="checkbox"/> CH2 100um <input type="checkbox"/> CH2 50um <input type="checkbox"/> out | <input type="checkbox"/> Mask <input type="checkbox"/> Au <input type="checkbox"/> Alpha <input type="checkbox"/> Empty | | Drive Positions: | | | |
| MCP MCP 0 (US): | V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | 83 mm | | Target (I251Y-R) | |
| MCP 1 (DS): | V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | 70.5 mm | | MCP 0 (US) (I250Y-R) | |
| MCP Voltage on? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | S800 Segment 8 Brho: | | Vacuum: | | 3.8 e-6 torr | |
| CAEN Bias? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Comments: Operators say source has calmed down. → 2 minutes later: never mind. | | | | | |

This run essentially junk.

| | | | | | | | |
|-------------------|--|---|----------|---|------|---|------|
| v. 3.3 Run # | 457 | Date: | 11/13/14 | Start: | 2:17 | Stop: | 2:33 |
| Your Name: | Rachel | Also on Shift: <input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Bill <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Han <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon | | | | | |
| Built data? | <input type="checkbox"/> Yes <input type="checkbox"/> No | <input type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Kyle <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Zibi <input type="checkbox"/> | | | | | |
| Run Type: | <input type="checkbox"/> Data | Singles: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | | Calib: (<input checked="" type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | | <input type="checkbox"/> CRDC <input type="checkbox"/> Junk | |
| S800 Trigger Box: | (1+) <input type="checkbox"/> S800 <input type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____) | <input type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____) | | <input checked="" type="checkbox"/> Sec.: DS 1 | | | |
| HiRA Trigger: | <input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl | Beam: <input type="checkbox"/> 74Kr <input type="checkbox"/> 74Kr degraded <input type="checkbox"/> proton <input type="checkbox"/> | | | | | |
| Target: | <input type="checkbox"/> Viewer <input type="checkbox"/> CH2 100um <input type="checkbox"/> CH2 50um <input type="checkbox"/> out | <input type="checkbox"/> Mask <input type="checkbox"/> Au <input checked="" type="checkbox"/> Alpha <input type="checkbox"/> Empty | | Drive Positions: | | | |
| MCP MCP 0 (US): | V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | 236.7 mm | | Target (I251Y-R) | |
| MCP 1 (DS): | V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | 70.5 mm | | MCP 0 (US) (I250Y-R) | |
| MCP Voltage on? | <input type="checkbox"/> Yes <input type="checkbox"/> No | S800 Segment 8 Brho: | | Vacuum: | | 3.8 e-6 torr | |
| CAEN Bias? | <input type="checkbox"/> Yes <input type="checkbox"/> No | Comments: Alpha | | | | | |

~1:30 AM: beam profile on target is still drifting. Locks nice
 b/c runs 451, 452 (11/13/14 @ 1 AM) and runs 430, 431
 (11/12/14 @ 4 PM). The CRDC TAD's shifted by ~300 ch.
 → Beam ID still drifting between runs 451, 452 (CRDC mask runs) and
 Run 454 (data run).

| | | | | | | | |
|-------------------|---|---|----------|--|------|---|------|
| v. 3.3 Run # | 458 | Date: | 11/13/14 | Start: | 2:35 | Stop: | 3:40 |
| Your Name: | Rachel | Also on Shift: <input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Bill <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Han <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon | | | | | |
| Built data? | <input type="checkbox"/> Yes <input type="checkbox"/> No | <input type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Kyle <input type="checkbox"/> Mingbo <input checked="" type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Zibi <input type="checkbox"/> | | | | | |
| Run Type: | <input type="checkbox"/> Data | Singles: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | | Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | | <input type="checkbox"/> CRDC <input type="checkbox"/> Junk | |
| S800 Trigger Box: | (1+) <input type="checkbox"/> S800 <input checked="" type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____) | <input checked="" type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____) | | <input checked="" type="checkbox"/> Sec.: DS 10 | | | |
| HiRA Trigger: | <input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl | Beam: <input type="checkbox"/> 74Kr <input type="checkbox"/> 74Kr degraded <input type="checkbox"/> proton <input type="checkbox"/> | | | | | |
| Target: | <input type="checkbox"/> Viewer <input checked="" type="checkbox"/> CH2 100um <input type="checkbox"/> CH2 50um <input type="checkbox"/> out | <input type="checkbox"/> Mask <input type="checkbox"/> Au <input type="checkbox"/> Alpha <input type="checkbox"/> Empty | | Drive Positions: | | | |
| MCP MCP 0 (US): | V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | 83 mm | | Target (I251Y-R) | |
| MCP 1 (DS): | V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | 70.5 mm | | MCP 0 (US) (I250Y-R) | |
| MCP Voltage on? | <input type="checkbox"/> Yes <input type="checkbox"/> No | S800 Segment 8 Brho: | | Vacuum: | | e- torr | |
| CAEN Bias? | <input type="checkbox"/> Yes <input type="checkbox"/> No | Comments: | | | | | |

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|-------------------|--|---|----------|--|------|---|-------------------------------|
| v. 3.3 Run # | 459 | Date: | 11/13/14 | Start: | 3:41 | Stop: | 4:41 |
| Your Name: | Juan | Also on Shift: <input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Bill <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Han <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon | | | | | |
| Built data? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | <input checked="" type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Kyle <input type="checkbox"/> Mingbo <input checked="" type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Zibi <input type="checkbox"/> | | | | | |
| Run Type: | <input checked="" type="checkbox"/> Data | Singles: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | | Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | | <input type="checkbox"/> CRDC | <input type="checkbox"/> Junk |
| S800 Trigger Box: | (1+) <input type="checkbox"/> S800 <input checked="" type="checkbox"/> Coin. | Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____) | | Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____) | | <input checked="" type="checkbox"/> Sec.: _____ | |
| HiRA Trigger: | <input checked="" type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl | Beam: <input type="checkbox"/> 74Kr <input type="checkbox"/> 74Kr degraded <input type="checkbox"/> proton <input type="checkbox"/> | | | | | |
| Target: | <input type="checkbox"/> Viewer <input checked="" type="checkbox"/> CH2 100um <input type="checkbox"/> CH2.50um <input type="checkbox"/> out | Drive Positions: | | _____ mm | | Target | (I251Y-R) |
| | <input type="checkbox"/> Mask <input type="checkbox"/> Au <input type="checkbox"/> Alpha <input type="checkbox"/> Empty | | | _____ mm | | MCP 0 (US) | (I250Y-R) |
| MCP MCP 0 (US): | V: _____ I: <input checked="" type="checkbox"/> foil <input checked="" type="checkbox"/> mask <input type="checkbox"/> out | | | _____ mm | | MCP 1 (DS) | (I250X-R) |
| MCP 1 (DS): | V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | | | | |
| MCP Voltage on? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | S800 Segment 8 Brho: | | Vacuum: | | _____ e- torr | |
| CAEN Bias? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Comments: | | | | | |

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|-------------------|--|---|----------|--|------|---|-------------------------------|
| v. 3.3 Run # | 460 | Date: | 11/13/14 | Start: | 4:42 | Stop: | 5:39 |
| Your Name: | Juan | Also on Shift: <input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Bill <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Han <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon | | | | | |
| Built data? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | <input checked="" type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Kyle <input type="checkbox"/> Mingbo <input checked="" type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Zibi <input type="checkbox"/> | | | | | |
| Run Type: | <input checked="" type="checkbox"/> Data | Singles: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | | Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | | <input type="checkbox"/> CRDC | <input type="checkbox"/> Junk |
| S800 Trigger Box: | (1+) <input type="checkbox"/> S800 <input checked="" type="checkbox"/> Coin. | Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____) | | Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____) | | <input checked="" type="checkbox"/> Sec.: _____ | |
| HiRA Trigger: | <input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl | Beam: <input checked="" type="checkbox"/> 74Kr <input type="checkbox"/> 74Kr degraded <input type="checkbox"/> proton <input type="checkbox"/> | | | | | |
| Target: | <input type="checkbox"/> Viewer <input checked="" type="checkbox"/> CH2 100um <input type="checkbox"/> CH2 50um <input type="checkbox"/> out | Drive Positions: | | _____ mm | | Target | (I251Y-R) |
| | <input type="checkbox"/> Mask <input type="checkbox"/> Au <input type="checkbox"/> Alpha <input type="checkbox"/> Empty | | | _____ mm | | MCP 0 (US) | (I250Y-R) |
| MCP MCP 0 (US): | V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | _____ mm | | MCP 1 (DS) | (I250X-R) |
| MCP 1 (DS): | V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | | | | |
| MCP Voltage on? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | S800 Segment 8 Brho: | | Vacuum: | | _____ e- torr | |
| CAEN Bias? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Comments: End to Reset RF | | | | | |

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|-------------------|--|---|----------|---|------|--|-------------------------------|
| v. 3.3 Run # | 461 | Date: | 11/13/14 | Start: | 5:43 | Stop: | 5:47 |
| Your Name: | Juan | Also on Shift: <input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Bill <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Han <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon | | | | | |
| Built data? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | <input checked="" type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Kyle <input type="checkbox"/> Mingbo <input checked="" type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Zibi <input type="checkbox"/> | | | | | |
| Run Type: | <input type="checkbox"/> Data | Singles: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | | Calib: (<input type="checkbox"/> HiRA <input checked="" type="checkbox"/> S800 <input type="checkbox"/> MCP) | | <input checked="" type="checkbox"/> CRDC | <input type="checkbox"/> Junk |
| S800 Trigger Box: | (1+) <input checked="" type="checkbox"/> S800 <input type="checkbox"/> Coin. | Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____) | | Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____) | | <input type="checkbox"/> Sec.: _____ | |
| HiRA Trigger: | <input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl | Beam: <input checked="" type="checkbox"/> 74Kr <input type="checkbox"/> 74Kr degraded <input type="checkbox"/> proton <input type="checkbox"/> | | | | | |
| Target: | <input type="checkbox"/> Viewer <input checked="" type="checkbox"/> CH2 100um <input type="checkbox"/> CH2 50um <input type="checkbox"/> out | Drive Positions: | | _____ mm | | Target | (I251Y-R) |
| | <input type="checkbox"/> Mask <input type="checkbox"/> Au <input type="checkbox"/> Alpha <input type="checkbox"/> Empty | | | _____ mm | | MCP 0 (US) | (I250Y-R) |
| MCP MCP 0 (US): | V: _____ I: <input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | _____ mm | | MCP 1 (DS) | (I250X-R) |
| MCP 1 (DS): | V: _____ I: <input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | | | | |
| MCP Voltage on? | <input type="checkbox"/> Yes <input type="checkbox"/> No | S800 Segment 8 Brho: | | Vacuum: | | _____ e- torr | |
| CAEN Bias? | <input type="checkbox"/> Yes <input type="checkbox"/> No | Comments: CRDC 1 mask run | | | | | |

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|-------------------|---|---|----------|---|------|--|------|
| v. 3.3 Run # | 462 | Date: | 11/13/14 | Start: | 5:48 | Stop: | 5:55 |
| Your Name: | Juan | Also on Shift: <input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Bill <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Han <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon | | | | | |
| Built data? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | <input checked="" type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Kyle <input type="checkbox"/> Mingbo <input checked="" type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Zibi <input type="checkbox"/> _____ | | | | | |
| Run Type: | <input type="checkbox"/> Data | Singles: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | | Calib: (<input type="checkbox"/> HiRA <input checked="" type="checkbox"/> S800 <input type="checkbox"/> MCP) | | <input checked="" type="checkbox"/> CRDC <input type="checkbox"/> Junk | |
| S800 Trigger Box: | (1+) <input checked="" type="checkbox"/> S800 <input type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____) | | | Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____) | | <input type="checkbox"/> Sec.: _____ | |
| HiRA Trigger: | <input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl | Beam: <input checked="" type="checkbox"/> 74Kr <input type="checkbox"/> 74Kr degraded <input type="checkbox"/> proton <input type="checkbox"/> _____ | | | | | |
| Target: | <input type="checkbox"/> Viewer <input checked="" type="checkbox"/> CH2 100um <input type="checkbox"/> CH2 50um <input type="checkbox"/> out | | | Drive Positions: | | | |
| | <input type="checkbox"/> Mask <input type="checkbox"/> Au <input type="checkbox"/> Alpha <input type="checkbox"/> Empty | | | _____ mm | | Target (I251Y-R) | |
| MCP MCP 0 (US): | V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | _____ mm | | MCP 0 (US) (I250Y-R) | |
| MCP 1 (DS): | V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | _____ mm | | MCP 1 (DS) (I250X-R) | |
| MCP Voltage on? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | S800 Segment 8 Brho: | | Vacuum: _____ e- torr | | | |
| CAEN Bias? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Comments: CRDC 2 | | | | | |

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|-------------------|---|---|----------|--|------|---|------|
| v. 3.3 Run # | 463 | Date: | 11/13/14 | Start: | 5:51 | Stop: | 6:54 |
| Your Name: | Juan | Also on Shift: <input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Bill <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Han <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon | | | | | |
| Built data? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | <input checked="" type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Kyle <input type="checkbox"/> Mingbo <input checked="" type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Zibi <input type="checkbox"/> _____ | | | | | |
| Run Type: | <input checked="" type="checkbox"/> Data | Singles: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | | Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | | <input type="checkbox"/> CRDC <input type="checkbox"/> Junk | |
| S800 Trigger Box: | (1+) <input type="checkbox"/> S800 <input checked="" type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____) | | | Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____) | | <input checked="" type="checkbox"/> Sec.: _____ | |
| HiRA Trigger: | <input checked="" type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl | Beam: <input checked="" type="checkbox"/> 74Kr <input type="checkbox"/> 74Kr degraded <input type="checkbox"/> proton <input type="checkbox"/> _____ | | | | | |
| Target: | <input type="checkbox"/> Viewer <input checked="" type="checkbox"/> CH2 100um <input type="checkbox"/> CH2 50um <input type="checkbox"/> out | | | Drive Positions: | | | |
| | <input type="checkbox"/> Mask <input type="checkbox"/> Au <input type="checkbox"/> Alpha <input type="checkbox"/> Empty | | | _____ mm | | Target (I251Y-R) | |
| MCP MCP 0 (US): | V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | _____ mm | | MCP 0 (US) (I250Y-R) | |
| MCP 1 (DS): | V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | _____ mm | | MCP 1 (DS) (I250X-R) | |
| MCP Voltage on? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | S800 Segment 8 Brho: | | Vacuum: _____ e- torr | | | |
| CAEN Bias? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Comments: | | | | | |

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|-------------------|---|---|------|--|------|---|------|
| v. 3.3 Run # | 464 | Date: | 6:54 | Start: | 6:55 | Stop: | 7:59 |
| Your Name: | Juan | Also on Shift: <input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Bill <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Han <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon | | | | | |
| Built data? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | <input checked="" type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Kyle <input type="checkbox"/> Mingbo <input checked="" type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Zibi <input type="checkbox"/> _____ | | | | | |
| Run Type: | <input checked="" type="checkbox"/> Data | Singles: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | | Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | | <input type="checkbox"/> CRDC <input type="checkbox"/> Junk | |
| S800 Trigger Box: | (1+) <input type="checkbox"/> S800 <input checked="" type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____) | | | Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____) | | <input checked="" type="checkbox"/> Sec.: _____ | |
| HiRA Trigger: | <input checked="" type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl | Beam: <input checked="" type="checkbox"/> 74Kr <input type="checkbox"/> 74Kr degraded <input type="checkbox"/> proton <input type="checkbox"/> _____ | | | | | |
| Target: | <input type="checkbox"/> Viewer <input checked="" type="checkbox"/> CH2 100um <input type="checkbox"/> CH2 50um <input type="checkbox"/> out | | | Drive Positions: | | | |
| | <input type="checkbox"/> Mask <input type="checkbox"/> Au <input type="checkbox"/> Alpha <input type="checkbox"/> Empty | | | _____ mm | | Target (I251Y-R) | |
| MCP MCP 0 (US): | V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | _____ mm | | MCP 0 (US) (I250Y-R) | |
| MCP 1 (DS): | V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | _____ mm | | MCP 1 (DS) (I250X-R) | |
| MCP Voltage on? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | S800 Segment 8 Brho: | | Vacuum: _____ e- torr | | | |
| CAEN Bias? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Comments: Counts in EI dipped to ~ 3500 /s | | | | | |

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|-------------------|---|---|----------|--|------|---|------|
| v. 3.3 Run # | 465 | Date: | 11/13/14 | Start: | 7:59 | Stop: | 8:10 |
| Your Name: | Juan | Also on Shift: <input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Bill <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Han <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon | | | | | |
| Built data? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | <input checked="" type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Kyle <input type="checkbox"/> Mingbo <input checked="" type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Zibi <input type="checkbox"/> _____ | | | | | |
| Run Type: | <input checked="" type="checkbox"/> Data | Singles: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | | Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | | <input type="checkbox"/> CRDC <input type="checkbox"/> Junk | |
| S800 Trigger Box: | (1+) <input type="checkbox"/> S800 <input checked="" type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____) | <input checked="" type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____) | | <input checked="" type="checkbox"/> Sec.: _____ | | | |
| HiRA Trigger: | <input checked="" type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl | Beam: | | <input checked="" type="checkbox"/> 74Kr <input type="checkbox"/> 74Kr degraded <input type="checkbox"/> proton <input type="checkbox"/> _____ | | | |
| Target: | <input type="checkbox"/> Viewer <input checked="" type="checkbox"/> CH2 100um <input type="checkbox"/> CH2 50um <input type="checkbox"/> out | Drive Positions: | | _____ mm | | Target (I251Y-R) | |
| | <input type="checkbox"/> Mask <input type="checkbox"/> Au <input type="checkbox"/> Alpha <input type="checkbox"/> Empty | | | _____ mm | | MCP 0 (US) (I250Y-R) | |
| MCP MCP 0 (US): | V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | _____ mm | | MCP 1 (DS) (I250X-R) | |
| MCP 1 (DS): | V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | | | | |
| MCP Voltage on? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | S800 Segment 8 Brho: | | Vacuum: | | _____ e- torr | |
| CAEN Bias? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Comments: Beam given to operators for tune up, OBJ to be moved (eff. ~ 80%) | | | | | |

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|-------------------|---|---|----------|--|------|---|-------|
| v. 3.3 Run # | 466 | Date: | 11/13/14 | Start: | 9:28 | Stop: | 10:30 |
| Your Name: | Jon | Also on Shift: <input type="checkbox"/> Andy <input checked="" type="checkbox"/> Ben <input type="checkbox"/> Bill <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Han <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input checked="" type="checkbox"/> Jon | | | | | |
| Built data? | <input type="checkbox"/> Yes <input type="checkbox"/> No | <input type="checkbox"/> Juan <input checked="" type="checkbox"/> Justin <input type="checkbox"/> Kyle <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Zibi <input type="checkbox"/> _____ | | | | | |
| Run Type: | <input checked="" type="checkbox"/> Data | Singles: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | | Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | | <input type="checkbox"/> CRDC <input type="checkbox"/> Junk | |
| S800 Trigger Box: | (1+) <input type="checkbox"/> S800 <input checked="" type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____) | <input checked="" type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____) | | <input checked="" type="checkbox"/> Sec.: _____ | | | |
| HiRA Trigger: | <input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl | Beam: | | <input checked="" type="checkbox"/> 74Kr <input type="checkbox"/> 74Kr degraded <input type="checkbox"/> proton <input type="checkbox"/> _____ | | | |
| Target: | <input type="checkbox"/> Viewer <input checked="" type="checkbox"/> CH2 100um <input type="checkbox"/> CH2 50um <input type="checkbox"/> out | Drive Positions: | | 83 mm | | Target (I251Y-R) | |
| | <input type="checkbox"/> Mask <input type="checkbox"/> Au <input type="checkbox"/> Alpha <input type="checkbox"/> Empty | | | 70.5 mm | | MCP 0 (US) (I250Y-R) | |
| MCP MCP 0 (US): | V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | 107.5 mm | | MCP 1 (DS) (I250X-R) | |
| MCP 1 (DS): | V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | | | | |
| MCP Voltage on? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | S800 Segment 8 Brho: | | Vacuum: | | 3.7 e-6 torr | |
| CAEN Bias? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Comments: | | | | | |

| | | | | | | | |
|-------------------|---|---|----------|--|-------|---|-------|
| v. 3.3 Run # | 467 | Date: | 11/13/14 | Start: | 10:31 | Stop: | 11:33 |
| Your Name: | Jon | Also on Shift: <input type="checkbox"/> Andy <input checked="" type="checkbox"/> Ben <input type="checkbox"/> Bill <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Han <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input checked="" type="checkbox"/> Jon | | | | | |
| Built data? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | <input type="checkbox"/> Juan <input checked="" type="checkbox"/> Justin <input type="checkbox"/> Kyle <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Zibi <input type="checkbox"/> _____ | | | | | |
| Run Type: | <input checked="" type="checkbox"/> Data | Singles: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | | Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | | <input type="checkbox"/> CRDC <input type="checkbox"/> Junk | |
| S800 Trigger Box: | (1+) <input type="checkbox"/> S800 <input checked="" type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____) | <input checked="" type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____) | | <input checked="" type="checkbox"/> Sec.: _____ | | | |
| HiRA Trigger: | <input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl | Beam: | | <input checked="" type="checkbox"/> 74Kr <input type="checkbox"/> 74Kr degraded <input type="checkbox"/> proton <input type="checkbox"/> _____ | | | |
| Target: | <input type="checkbox"/> Viewer <input checked="" type="checkbox"/> CH2 100um <input type="checkbox"/> CH2 50um <input type="checkbox"/> out | Drive Positions: | | 83 mm | | Target (I251Y-R) | |
| | <input type="checkbox"/> Mask <input type="checkbox"/> Au <input type="checkbox"/> Alpha <input type="checkbox"/> Empty | | | 70.5 mm | | MCP 0 (US) (I250Y-R) | |
| MCP MCP 0 (US): | V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | 107.5 mm | | MCP 1 (DS) (I250X-R) | |
| MCP 1 (DS): | V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | | | | |
| MCP Voltage on? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | S800 Segment 8 Brho: | | Vacuum: | | 3.7 e-6 torr | |
| CAEN Bias? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Comments: | | | | | |

| | | | | | | | |
|-------------------|--|--|----------|---|-------|---|-------|
| v. 3.3 Run # | 468 | Date: | 11/13/14 | Start: | 11:53 | Stop: | 12:53 |
| Your Name: | Jon | Also on Shift: <input checked="" type="checkbox"/> Andy <input checked="" type="checkbox"/> Ben <input type="checkbox"/> Bill <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Han <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input checked="" type="checkbox"/> Jon | | | | | |
| Built data? | <input type="checkbox"/> Yes <input type="checkbox"/> No | <input type="checkbox"/> Juan <input checked="" type="checkbox"/> Justin <input checked="" type="checkbox"/> Kyle <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Zibi <input type="checkbox"/> _____ | | | | | |
| Run Type: | <input checked="" type="checkbox"/> Data | Singles: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | | Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | | <input type="checkbox"/> CRDC <input type="checkbox"/> Junk | |
| S800 Trigger Box: | (1+) <input type="checkbox"/> S800 <input checked="" type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____) | <input checked="" type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____) | | <input checked="" type="checkbox"/> Sec.: _____ | | | |
| HiRA Trigger: | <input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl | Beam: <input type="checkbox"/> 74Kr <input type="checkbox"/> 74Kr degraded <input type="checkbox"/> proton <input type="checkbox"/> _____ | | | | | |
| Target: | <input type="checkbox"/> Viewer <input checked="" type="checkbox"/> CH2 100um <input type="checkbox"/> CH2 50um <input type="checkbox"/> out | Drive Positions: | | 83 mm Target (I251Y-R) | | | |
| | <input type="checkbox"/> Mask <input type="checkbox"/> Au <input type="checkbox"/> Alpha <input type="checkbox"/> Empty | | | 205 mm MCP 0 (US) (I250Y-R) | | | |
| MCP MCP 0 (US): | V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | 1025 mm MCP 1 (DS) (I250X-R) | | | |
| MCP 1 (DS): | V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | | | | |
| MCP Voltage on? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | S800 Segment 8 Brho: | | Vacuum: 3.7 e-6 torr | | | |
| CAEN Bias? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Comments: | | | | | |

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|-------------------|--|---|----------------|---|-------|---|-------|
| v. 3.3 Run # | 469 | Date: | 12:53 11/13/14 | Start: | 12:53 | Stop: | 13:53 |
| Your Name: | Kyle | Also on Shift: <input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Bill <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Han <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon | | | | | |
| Built data? | <input type="checkbox"/> Yes <input type="checkbox"/> No | <input type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Kyle <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Zibi <input type="checkbox"/> _____ | | | | | |
| Run Type: | <input checked="" type="checkbox"/> Data | Singles: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | | Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | | <input type="checkbox"/> CRDC <input type="checkbox"/> Junk | |
| S800 Trigger Box: | (1+) <input type="checkbox"/> S800 <input checked="" type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____) | <input checked="" type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____) | | <input checked="" type="checkbox"/> Sec.: _____ | | | |
| HiRA Trigger: | <input checked="" type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl | Beam: <input checked="" type="checkbox"/> 74Kr <input type="checkbox"/> 74Kr degraded <input type="checkbox"/> proton <input type="checkbox"/> _____ | | | | | |
| Target: | <input type="checkbox"/> Viewer <input checked="" type="checkbox"/> CH2 100um <input type="checkbox"/> CH2 50um <input type="checkbox"/> out | Drive Positions: | | _____ mm Target (I251Y-R) | | | |
| | <input type="checkbox"/> Mask <input type="checkbox"/> Au <input type="checkbox"/> Alpha <input type="checkbox"/> Empty | | | _____ mm MCP 0 (US) (I250Y-R) | | | |
| MCP MCP 0 (US): | V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | _____ mm MCP 1 (DS) (I250X-R) | | | |
| MCP 1 (DS): | V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | | | | |
| MCP Voltage on? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | S800 Segment 8 Brho: | | Vacuum: _____ e- torr | | | |
| CAEN Bias? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Comments: | | | | | |

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|-------------------|--|--|----------|---|------------------------|--|-------|
| v. 3.3 Run # | 470 | Date: | 11/13/14 | Start: | 13:58 13:58 | Stop: | 14:08 |
| Your Name: | Jon | Also on Shift: <input checked="" type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Bill <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Han <input type="checkbox"/> Jack <input checked="" type="checkbox"/> Jenny <input checked="" type="checkbox"/> Jon | | | | | |
| Built data? | <input type="checkbox"/> Yes <input type="checkbox"/> No | <input type="checkbox"/> Juan <input checked="" type="checkbox"/> Justin <input type="checkbox"/> Kyle <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Zibi <input type="checkbox"/> _____ | | | | | |
| Run Type: | <input type="checkbox"/> Data | Singles: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | | Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | | <input checked="" type="checkbox"/> CRDC <input type="checkbox"/> Junk | |
| S800 Trigger Box: | (1+) <input checked="" type="checkbox"/> S800 <input type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____) | <input type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____) | | <input type="checkbox"/> Sec.: _____ | | | |
| HiRA Trigger: | <input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl | Beam: <input checked="" type="checkbox"/> 74Kr <input type="checkbox"/> 74Kr degraded <input type="checkbox"/> proton <input type="checkbox"/> _____ | | | | | |
| Target: | <input type="checkbox"/> Viewer <input checked="" type="checkbox"/> CH2 100um <input type="checkbox"/> CH2 50um <input type="checkbox"/> out | Drive Positions: | | _____ mm Target (I251Y-R) | | | |
| | <input type="checkbox"/> Mask <input type="checkbox"/> Au <input type="checkbox"/> Alpha <input type="checkbox"/> Empty | | | _____ mm MCP 0 (US) (I250Y-R) | | | |
| MCP MCP 0 (US): | V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | _____ mm MCP 1 (DS) (I250X-R) | | | |
| MCP 1 (DS): | V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | | | | |
| MCP Voltage on? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | S800 Segment 8 Brho: | | Vacuum: _____ e- torr | | | |
| CAEN Bias? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Comments: CRDC Mask 1 | | | | | |

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|-------------------|---|---|----------|--|-------|--|-------|
| v. 3.3 Run # | 471 | Date: | 11/13/14 | Start: | 14:10 | Stop: | 14:20 |
| Your Name: | Jon | Also on Shift: <input checked="" type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Bill <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Han <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input checked="" type="checkbox"/> Jon | | | | | |
| Built data? | <input type="checkbox"/> Yes <input type="checkbox"/> No | <input type="checkbox"/> Juan <input checked="" type="checkbox"/> Justin <input checked="" type="checkbox"/> Kyle <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Zibi <input type="checkbox"/> | | | | | |
| Run Type: | <input type="checkbox"/> Data | Singles: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | | Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | | <input checked="" type="checkbox"/> CRDC <input type="checkbox"/> Junk | |
| S800 Trigger Box: | (1+) <input checked="" type="checkbox"/> S800 <input type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____) | <input type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____) | | <input type="checkbox"/> Sec.: _____ | | | |
| HiRA Trigger: | <input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl | Beam: <input checked="" type="checkbox"/> 74Kr <input type="checkbox"/> 74Kr degraded <input type="checkbox"/> proton <input type="checkbox"/> | | | | | |
| Target: | <input type="checkbox"/> Viewer <input checked="" type="checkbox"/> CH2 100um <input type="checkbox"/> CH2 50um <input type="checkbox"/> out | <input type="checkbox"/> Mask <input type="checkbox"/> Au <input type="checkbox"/> Alpha <input type="checkbox"/> Empty | | Drive Positions: | | | |
| MCP MCP 0 (US): | V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | _____ mm | | Target (I251Y-R) | |
| MCP 1 (DS): | V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | _____ mm | | MCP 0 (US) (I250Y-R) | |
| MCP Voltage on? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | S800 Segment 8 Brho: | | Vacuum: _____ e- torr | | | |
| CAEN Bias? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Comments: CRDC Mask 2 | | | | | |

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|-------------------|---|---|----------|--|-------|---|--|
| v. 3.3 Run # | 472 | Date: | 11/13/14 | Start: | 14:27 | Stop: | |
| Your Name: | Jon | Also on Shift: <input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Bill <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Han <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon | | | | | |
| Built data? | <input type="checkbox"/> Yes <input type="checkbox"/> No | <input type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Kyle <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Zibi <input type="checkbox"/> | | | | | |
| Run Type: | <input checked="" type="checkbox"/> Data | Singles: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | | Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | | <input type="checkbox"/> CRDC <input type="checkbox"/> Junk | |
| S800 Trigger Box: | (1+) <input type="checkbox"/> S800 <input checked="" type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____) | <input checked="" type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____) | | <input checked="" type="checkbox"/> Sec.: _____ | | | |
| HiRA Trigger: | <input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl | Beam: <input checked="" type="checkbox"/> 74Kr <input type="checkbox"/> 74Kr degraded <input type="checkbox"/> proton <input type="checkbox"/> | | | | | |
| Target: | <input type="checkbox"/> Viewer <input checked="" type="checkbox"/> CH2 100um <input type="checkbox"/> CH2 50um <input type="checkbox"/> out | <input type="checkbox"/> Mask <input type="checkbox"/> Au <input type="checkbox"/> Alpha <input type="checkbox"/> Empty | | Drive Positions: | | | |
| MCP MCP 0 (US): | V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | 83 mm | | Target (I251Y-R) | |
| MCP 1 (DS): | V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | _____ mm | | MCP 0 (US) (I250Y-R) | |
| MCP Voltage on? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | S800 Segment 8 Brho: | | Vacuum: _____ e- torr | | | |
| CAEN Bias? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Comments: | | | | | |

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|-------------------|---|--|----------|--|--|---|--|
| v. 3.3 Run # | 473 | Date: | 11/13/14 | Start: | | Stop: | |
| Your Name: | Suwat | Also on Shift: <input checked="" type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Bill <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Han <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon | | | | | |
| Built data? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | <input type="checkbox"/> Juan <input checked="" type="checkbox"/> Justin <input checked="" type="checkbox"/> Kyle <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input checked="" type="checkbox"/> Suwat <input type="checkbox"/> Zibi <input type="checkbox"/> | | | | | |
| Run Type: | <input checked="" type="checkbox"/> Data | Singles: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | | Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | | <input type="checkbox"/> CRDC <input type="checkbox"/> Junk | |
| S800 Trigger Box: | (1+) <input type="checkbox"/> S800 <input checked="" type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____) | <input checked="" type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____) | | <input checked="" type="checkbox"/> Sec.: _____ | | | |
| HiRA Trigger: | <input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl | Beam: <input type="checkbox"/> 74Kr <input type="checkbox"/> 74Kr degraded <input type="checkbox"/> proton <input type="checkbox"/> | | | | | |
| Target: | <input type="checkbox"/> Viewer <input checked="" type="checkbox"/> CH2 100um <input type="checkbox"/> CH2 50um <input type="checkbox"/> out | <input type="checkbox"/> Mask <input type="checkbox"/> Au <input type="checkbox"/> Alpha <input type="checkbox"/> Empty | | Drive Positions: | | | |
| MCP MCP 0 (US): | V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | 83 mm | | Target (I251Y-R) | |
| MCP 1 (DS): | V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | _____ mm | | MCP 0 (US) (I250Y-R) | |
| MCP Voltage on? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | S800 Segment 8 Brho: | | Vacuum: _____ e- torr | | | |
| CAEN Bias? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Comments: | | | | | |

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|-------------------|---|--|---|--|--|-------------------------------|-------------------------------|
| v. 3.3 Run # | A 74 | Date: | 11/13/14 | Start: | 17:00 | Stop: | |
| Your Name: | Suwat | Also on Shift: | <input checked="" type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Bill <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Han <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon <input type="checkbox"/> Juan <input checked="" type="checkbox"/> Justin <input checked="" type="checkbox"/> Kyle <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input checked="" type="checkbox"/> Suwat <input type="checkbox"/> Zibi <input type="checkbox"/> _____ | | | | |
| Built data? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | | | | | | |
| Run Type: | <input checked="" type="checkbox"/> Data | Singles: (| <input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | Calib: (| <input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | <input type="checkbox"/> CRDC | <input type="checkbox"/> Junk |
| S800 Trigger Box: | (1+) <input type="checkbox"/> S800 <input checked="" type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____) | <input checked="" type="checkbox"/> Ext. 2 (| <input type="checkbox"/> MCP DS <input type="checkbox"/> _____) | <input checked="" type="checkbox"/> Sec.: | | | |
| HiRA Trigger: | <input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl | Beam: | <input checked="" type="checkbox"/> 74Kr <input type="checkbox"/> 74Kr degraded <input type="checkbox"/> proton <input type="checkbox"/> _____ | | | | |
| Target: | <input type="checkbox"/> Viewer <input checked="" type="checkbox"/> CH2 100um <input type="checkbox"/> CH2 50um <input type="checkbox"/> out <input type="checkbox"/> Mask <input type="checkbox"/> Au <input type="checkbox"/> Alpha <input type="checkbox"/> Empty | Drive Positions: | | 83 mm Target (I251Y-R) _____ mm MCP 0 (US) (I250Y-R) _____ mm MCP 1 (DS) (I250X-R) | | | |
| MCP MCP 0 (US): | V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | | | | |
| MCP 1 (DS): | V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | | | | |
| MCP Voltage on? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | S800 Segment 8 Brho: | | | Vacuum: _____ e- torr | | |
| CAEN Bias? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Comments: | | | | | |

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|-------------------|---|--|--|--|--|-------------------------------|-------------------------------|
| v. 3.3 Run # | A 75 | Date: | 11/13/14 | Start: | 18:05 | Stop: | |
| Your Name: | Suwat | Also on Shift: | <input checked="" type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Bill <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Han <input type="checkbox"/> Jack <input checked="" type="checkbox"/> Jenny <input type="checkbox"/> Jon <input type="checkbox"/> Juan <input checked="" type="checkbox"/> Justin <input checked="" type="checkbox"/> Kyle <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input checked="" type="checkbox"/> Suwat <input type="checkbox"/> Zibi <input type="checkbox"/> _____ | | | | |
| Built data? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | | | | | | |
| Run Type: | <input checked="" type="checkbox"/> Data | Singles: (| <input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | Calib: (| <input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | <input type="checkbox"/> CRDC | <input type="checkbox"/> Junk |
| S800 Trigger Box: | (1+) <input type="checkbox"/> S800 <input checked="" type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____) | <input checked="" type="checkbox"/> Ext. 2 (| <input type="checkbox"/> MCP DS <input type="checkbox"/> _____) | <input checked="" type="checkbox"/> Sec.: | | | |
| HiRA Trigger: | <input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl | Beam: | <input checked="" type="checkbox"/> 74Kr <input type="checkbox"/> 74Kr degraded <input type="checkbox"/> proton <input type="checkbox"/> _____ | | | | |
| Target: | <input type="checkbox"/> Viewer <input checked="" type="checkbox"/> CH2 100um <input type="checkbox"/> CH2 50um <input type="checkbox"/> out <input type="checkbox"/> Mask <input type="checkbox"/> Au <input type="checkbox"/> Alpha <input type="checkbox"/> Empty | Drive Positions: | | 83 mm Target (I251Y-R) _____ mm MCP 0 (US) (I250Y-R) _____ mm MCP 1 (DS) (I250X-R) | | | |
| MCP MCP 0 (US): | V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | | | | |
| MCP 1 (DS): | V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | | | | |
| MCP Voltage on? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | S800 Segment 8 Brho: | | | Vacuum: _____ e- torr | | |
| CAEN Bias? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Comments: | | | | | |

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|-------------------|---|--|--|---|--|-------------------------------|-------------------------------|
| v. 3.3 Run # | 476 | Date: | 11/13/14 | Start: | 19:04 | Stop: | |
| Your Name: | Jenny | Also on Shift: | <input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Bill <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Han <input type="checkbox"/> Jack <input checked="" type="checkbox"/> Jenny <input type="checkbox"/> Jon <input type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Kyle <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Zibi <input type="checkbox"/> _____ | | | | |
| Built data? | <input type="checkbox"/> Yes <input type="checkbox"/> No | | | | | | |
| Run Type: | <input checked="" type="checkbox"/> Data | Singles: (| <input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | Calib: (| <input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | <input type="checkbox"/> CRDC | <input type="checkbox"/> Junk |
| S800 Trigger Box: | (1+) <input type="checkbox"/> S800 <input checked="" type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____) | <input checked="" type="checkbox"/> Ext. 2 (| <input type="checkbox"/> MCP DS <input type="checkbox"/> _____) | <input checked="" type="checkbox"/> Sec.: | | | |
| HiRA Trigger: | <input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl | Beam: | <input checked="" type="checkbox"/> 74Kr <input type="checkbox"/> 74Kr degraded <input type="checkbox"/> proton <input type="checkbox"/> _____ | | | | |
| Target: | <input type="checkbox"/> Viewer <input checked="" type="checkbox"/> CH2 100um <input type="checkbox"/> CH2 50um <input type="checkbox"/> out <input type="checkbox"/> Mask <input type="checkbox"/> Au <input type="checkbox"/> Alpha <input type="checkbox"/> Empty | Drive Positions: | | 83 mm Target (I251Y-R) 70.5 mm MCP 0 (US) (I250Y-R) 107.5 mm MCP 1 (DS) (I250X-R) | | | |
| MCP MCP 0 (US): | 1.8 k V: 68 u I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | | | | |
| MCP 1 (DS): | 1.78 k V: 56 u I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | | | | |
| MCP Voltage on? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | S800 Segment 8 Brho: | | | Vacuum: 3.7 e-6 torr | | |
| CAEN Bias? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Comments: | | | | | |

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|-------------------|--|----------------------|--|--------|-------|-------|--|
| v. 3.3 Run # | 477 | Date: | 11/13/14 11/13/14 | Start: | 20:18 | Stop: | |
| Your Name: | Jenny | Also on Shift: | <input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Bill <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Han <input type="checkbox"/> Jack <input checked="" type="checkbox"/> Jenny <input type="checkbox"/> Jon <input type="checkbox"/> Juan <input type="checkbox"/> Justin <input checked="" type="checkbox"/> Kyle <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Zibi | | | | |
| Built data? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | | | | | | |
| Run Type: | <input checked="" type="checkbox"/> Data | Singles: | <input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) <input type="checkbox"/> CRDC <input type="checkbox"/> Junk | | | | |
| S800 Trigger Box: | (1+) <input type="checkbox"/> S800 <input checked="" type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/>) <input checked="" type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/>) <input checked="" type="checkbox"/> Sec.: | | | | | | |
| HiRA Trigger: | <input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl | Beam: | <input checked="" type="checkbox"/> 74Kr <input type="checkbox"/> 74Kr degraded <input type="checkbox"/> proton | | | | |
| Target: | <input type="checkbox"/> Viewer <input checked="" type="checkbox"/> CH2 100um <input type="checkbox"/> CH2 50um <input type="checkbox"/> out <input type="checkbox"/> Mask <input type="checkbox"/> Au <input type="checkbox"/> Alpha <input type="checkbox"/> Empty | Drive Positions: | 83 mm Target (I251Y-R) mm MCP 0 (US) (I250Y-R) mm MCP 1 (DS) (I250X-R) | | | | |
| MCP MCP 0 (US): | V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | | | | |
| MCP 1 (DS): | V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | | | | |
| MCP Voltage on? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | S800 Segment 8 Brho: | | | | | |
| CAEN Bias? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Comments: | | | | | |

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|-------------------|--|----------------------|--|--------|-------|-------|--|
| v. 3.3 Run # | 478 | Date: | 11/13/14 | Start: | 21:20 | Stop: | |
| Your Name: | Jenny | Also on Shift: | <input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Bill <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Han <input type="checkbox"/> Jack <input checked="" type="checkbox"/> Jenny <input type="checkbox"/> Jon <input type="checkbox"/> Juan <input type="checkbox"/> Justin <input checked="" type="checkbox"/> Kyle <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Zibi | | | | |
| Built data? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | | | | | | |
| Run Type: | <input checked="" type="checkbox"/> Data | Singles: | <input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) <input type="checkbox"/> CRDC <input type="checkbox"/> Junk | | | | |
| S800 Trigger Box: | (1+) <input type="checkbox"/> S800 <input checked="" type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/>) <input checked="" type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/>) <input checked="" type="checkbox"/> Sec.: | | | | | | |
| HiRA Trigger: | <input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl | Beam: | <input type="checkbox"/> 74Kr <input type="checkbox"/> 74Kr degraded <input type="checkbox"/> proton | | | | |
| Target: | <input type="checkbox"/> Viewer <input checked="" type="checkbox"/> CH2 100um <input type="checkbox"/> CH2 50um <input type="checkbox"/> out <input type="checkbox"/> Mask <input type="checkbox"/> Au <input type="checkbox"/> Alpha <input type="checkbox"/> Empty | Drive Positions: | 83 mm Target (I251Y-R) mm MCP 0 (US) (I250Y-R) mm MCP 1 (DS) (I250X-R) | | | | |
| MCP MCP 0 (US): | V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | | | | |
| MCP 1 (DS): | V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | | | | |
| MCP Voltage on? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | S800 Segment 8 Brho: | | | | | |
| CAEN Bias? | <input type="checkbox"/> Yes <input type="checkbox"/> No | Comments: | | | | | |

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|-------------------|--|----------------------|---|--------|-------|-------|-------|
| v. 3.3 Run # | 479 | Date: | 11/13/14 | Start: | 22:23 | Stop: | 23:34 |
| Your Name: | Suwat | Also on Shift: | <input checked="" type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Bill <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Han <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon <input type="checkbox"/> Juan <input type="checkbox"/> Justin <input checked="" type="checkbox"/> Kyle <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input checked="" type="checkbox"/> Suwat <input type="checkbox"/> Zibi | | | | |
| Built data? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | | | | | | |
| Run Type: | <input checked="" type="checkbox"/> Data | Singles: | <input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) <input type="checkbox"/> CRDC <input type="checkbox"/> Junk | | | | |
| S800 Trigger Box: | (1+) <input type="checkbox"/> S800 <input checked="" type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/>) <input checked="" type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/>) <input checked="" type="checkbox"/> Sec.: | | | | | | |
| HiRA Trigger: | <input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl | Beam: | <input checked="" type="checkbox"/> 74Kr <input type="checkbox"/> 74Kr degraded <input type="checkbox"/> proton | | | | |
| Target: | <input type="checkbox"/> Viewer <input checked="" type="checkbox"/> CH2 100um <input type="checkbox"/> CH2 50um <input type="checkbox"/> out <input type="checkbox"/> Mask <input type="checkbox"/> Au <input type="checkbox"/> Alpha <input type="checkbox"/> Empty | Drive Positions: | 83 mm Target (I251Y-R) mm MCP 0 (US) (I250Y-R) mm MCP 1 (DS) (I250X-R) | | | | |
| MCP MCP 0 (US): | V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | | | | |
| MCP 1 (DS): | V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | | | | |
| MCP Voltage on? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | S800 Segment 8 Brho: | | | | | |
| CAEN Bias? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Comments: | | | | | |

| | | | |
|--|---|--|---|
| v. 3.3 Run # 480 | Date: 11/13/14 | Start: 23:35 | Stop: |
| Your Name: | Also on Shift: <input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Bill <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Han <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon | | |
| Built data? <input type="checkbox"/> Yes <input type="checkbox"/> No | <input type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Kyle <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Zibi <input type="checkbox"/> | | |
| Run Type: <input type="checkbox"/> Data | Singles: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | <input type="checkbox"/> CRDC <input type="checkbox"/> Junk |
| S800 Trigger Box: (1+) <input type="checkbox"/> S800 <input type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> | <input type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> | | |
| HiRA Trigger: <input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl | Beam: <input type="checkbox"/> 74Kr <input type="checkbox"/> 74Kr degraded <input type="checkbox"/> proton <input type="checkbox"/> | | |
| Target: <input type="checkbox"/> Viewer <input type="checkbox"/> CH2 100um <input type="checkbox"/> CH2 50um <input type="checkbox"/> out | Drive Positions: | | |
| <input type="checkbox"/> Mask <input type="checkbox"/> Au <input type="checkbox"/> Alpha <input type="checkbox"/> Empty | mm | Target | (I251Y-R) |
| MCP MCP 0 (US): V: _____ I: <input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | mm | MCP 0 (US) | (I250Y-R) |
| MCP 1 (DS): V: _____ I: <input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | mm | MCP 1 (DS) | (I250X-R) |
| MCP Voltage on? <input type="checkbox"/> Yes <input type="checkbox"/> No | S800 Segment 8 Brho: | Vacuum: _____ e- torr | |
| CAEN Bias? <input type="checkbox"/> Yes <input type="checkbox"/> No | Comments: <i>Event log manager gave unexpected event log error!</i> | | |

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|---|--|--|---|
| v. 3.3 Run # 481 | Date: 11/13/14 | Start: 23:46 | Stop: 00:45 |
| Your Name: <i>Suwat</i> | Also on Shift: <input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Bill <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Han <input type="checkbox"/> Jack <input checked="" type="checkbox"/> Jenny <input type="checkbox"/> Jon | | |
| Built data? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | <input type="checkbox"/> Juan <input type="checkbox"/> Justin <input checked="" type="checkbox"/> Kyle <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input checked="" type="checkbox"/> Suwat <input type="checkbox"/> Zibi <input type="checkbox"/> | | |
| Run Type: <input checked="" type="checkbox"/> Data | Singles: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | <input type="checkbox"/> CRDC <input type="checkbox"/> Junk |
| S800 Trigger Box: (1+) <input type="checkbox"/> S800 <input checked="" type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> | <input checked="" type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> | | |
| HiRA Trigger: <input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl | Beam: <input checked="" type="checkbox"/> 74Kr <input type="checkbox"/> 74Kr degraded <input type="checkbox"/> proton <input type="checkbox"/> | | |
| Target: <input type="checkbox"/> Viewer <input checked="" type="checkbox"/> CH2 100um <input type="checkbox"/> CH2 50um <input type="checkbox"/> out | Drive Positions: | | |
| <input type="checkbox"/> Mask <input type="checkbox"/> Au <input type="checkbox"/> Alpha <input type="checkbox"/> Empty | 83 mm | Target | (I251Y-R) |
| MCP MCP 0 (US): V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | mm | MCP 0 (US) | (I250Y-R) |
| MCP 1 (DS): V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | mm | MCP 1 (DS) | (I250X-R) |
| MCP Voltage on? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | S800 Segment 8 Brho: | Vacuum: _____ e- torr | |
| CAEN Bias? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Comments: <i>E1-up & E1-down @ 2300</i> | | |

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|--|--|---|--|
| v. 3.3 Run # 482 | Date: 11/14/14 | Start: 00:46 | Stop: 00:44 |
| Your Name: <i>Juan</i> | Also on Shift: <input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Bill <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Han <input type="checkbox"/> Jack <input checked="" type="checkbox"/> Jenny <input type="checkbox"/> Jon | | |
| Built data? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | <input checked="" type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Kyle <input type="checkbox"/> Mingbo <input checked="" type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Zibi <input type="checkbox"/> | | |
| Run Type: <input type="checkbox"/> Data | Singles: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | Calib: (<input type="checkbox"/> HiRA <input checked="" type="checkbox"/> S800 <input type="checkbox"/> MCP) | <input checked="" type="checkbox"/> CRDC <input type="checkbox"/> Junk |
| S800 Trigger Box: (1+) <input checked="" type="checkbox"/> S800 <input checked="" type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> | <input checked="" type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> | | |
| HiRA Trigger: <input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl | Beam: <input checked="" type="checkbox"/> 74Kr <input type="checkbox"/> 74Kr degraded <input type="checkbox"/> proton <input type="checkbox"/> | | |
| Target: <input type="checkbox"/> Viewer <input checked="" type="checkbox"/> CH2 100um <input type="checkbox"/> CH2 50um <input type="checkbox"/> out | Drive Positions: | | |
| <input type="checkbox"/> Mask <input type="checkbox"/> Au <input type="checkbox"/> Alpha <input type="checkbox"/> Empty | mm | Target | (I251Y-R) |
| MCP MCP 0 (US): V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | mm | MCP 0 (US) | (I250Y-R) |
| MCP 1 (DS): V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | mm | MCP 1 (DS) | (I250X-R) |
| MCP Voltage on? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | S800 Segment 8 Brho: | Vacuum: _____ e- torr | |
| CAEN Bias? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Comments: <i>CRDC Mask Run</i> | | |

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|-------------------|--|---|--|---|------------------------|--|-------|
| v. 3.3 Run # | 484 | Date: | 11/14/14 | Start: | 00:52 00:50 | Stop: | 00:56 |
| Your Name: | Juan | Also on Shift: <input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Bill <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Han <input type="checkbox"/> Jack <input checked="" type="checkbox"/> Jenny <input type="checkbox"/> Jon | | | | | |
| Built data? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | <input checked="" type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Kyle <input type="checkbox"/> Mingbo <input checked="" type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Zibi <input type="checkbox"/> _____ | | | | | |
| Run Type: | <input type="checkbox"/> Data | Singles: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | | Calib: (<input type="checkbox"/> HiRA <input checked="" type="checkbox"/> S800 <input type="checkbox"/> MCP) | | <input checked="" type="checkbox"/> CRDC <input type="checkbox"/> Junk | |
| S800 Trigger Box: | (1+) <input checked="" type="checkbox"/> S800 <input type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____) <input type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____) <input type="checkbox"/> Sec.: _____ | | | | | | |
| HiRA Trigger: | <input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl | | Beam: <input checked="" type="checkbox"/> 74Kr <input type="checkbox"/> 74Kr degraded <input type="checkbox"/> proton <input type="checkbox"/> _____ | | | | |
| Target: | <input type="checkbox"/> Viewer <input checked="" type="checkbox"/> CH2 100um <input type="checkbox"/> CH2 50um <input type="checkbox"/> out | Drive Positions: | | _____ mm Target (I251Y-R) | | | |
| | <input type="checkbox"/> Mask <input type="checkbox"/> Au <input type="checkbox"/> Alpha <input type="checkbox"/> Empty | | | _____ mm MCP 0 (US) (I250Y-R) | | | |
| MCP MCP 0 (US): | V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | _____ mm MCP 1 (DS) (I250X-R) | | | |
| MCP 1 (DS): | V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | | | | |
| MCP Voltage on? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | S800 Segment 8 Brho: | | Vacuum: _____ e- torr | | | |
| CAEN Bias? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Comments: CRDC 2 Mask Run | | | | | |

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|-------------------|--|---|--|--|-------|---|-------|
| v. 3.3 Run # | 485 | Date: | 11/14/14 | Start: | 00:57 | Stop: | 00:59 |
| Your Name: | Juan | Also on Shift: <input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Bill <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Han <input type="checkbox"/> Jack <input checked="" type="checkbox"/> Jenny <input type="checkbox"/> Jon | | | | | |
| Built data? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | <input checked="" type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Kyle <input type="checkbox"/> Mingbo <input checked="" type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Zibi <input type="checkbox"/> _____ | | | | | |
| Run Type: | <input type="checkbox"/> Data | Singles: (<input type="checkbox"/> HiRA <input checked="" type="checkbox"/> S800 <input type="checkbox"/> MCP) | | Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | | <input type="checkbox"/> CRDC <input type="checkbox"/> Junk | |
| S800 Trigger Box: | (1+) <input checked="" type="checkbox"/> S800 <input type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____) <input type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____) <input type="checkbox"/> Sec.: _____ | | | | | | |
| HiRA Trigger: | <input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl | | Beam: <input checked="" type="checkbox"/> 74Kr <input type="checkbox"/> 74Kr degraded <input type="checkbox"/> proton <input type="checkbox"/> _____ | | | | |
| Target: | <input type="checkbox"/> Viewer <input checked="" type="checkbox"/> CH2 100um <input type="checkbox"/> CH2 50um <input type="checkbox"/> out | Drive Positions: | | _____ mm Target (I251Y-R) | | | |
| | <input type="checkbox"/> Mask <input type="checkbox"/> Au <input type="checkbox"/> Alpha <input type="checkbox"/> Empty | | | _____ mm MCP 0 (US) (I250Y-R) | | | |
| MCP MCP 0 (US): | V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | _____ mm MCP 1 (DS) (I250X-R) | | | |
| MCP 1 (DS): | V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | | | | |
| MCP Voltage on? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | S800 Segment 8 Brho: | | Vacuum: _____ e- torr | | | |
| CAEN Bias? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Comments: S800 Slides | | | | | |

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|-------------------|--|---|--|--|-------|---|-------|
| v. 3.3 Run # | 486 | Date: | 11/14/14 | Start: | 01:00 | Stop: | 02:04 |
| Your Name: | Juan | Also on Shift: <input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Bill <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Han <input type="checkbox"/> Jack <input checked="" type="checkbox"/> Jenny <input type="checkbox"/> Jon | | | | | |
| Built data? | <input type="checkbox"/> Yes <input type="checkbox"/> No | <input checked="" type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Kyle <input type="checkbox"/> Mingbo <input checked="" type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Zibi <input type="checkbox"/> _____ | | | | | |
| Run Type: | <input checked="" type="checkbox"/> Data | Singles: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | | Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | | <input type="checkbox"/> CRDC <input type="checkbox"/> Junk | |
| S800 Trigger Box: | (1+) <input type="checkbox"/> S800 <input checked="" type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____) <input checked="" type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____) <input checked="" type="checkbox"/> Sec.: _____ | | | | | | |
| HiRA Trigger: | <input checked="" type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl | | Beam: <input checked="" type="checkbox"/> 74Kr <input type="checkbox"/> 74Kr degraded <input type="checkbox"/> proton <input type="checkbox"/> _____ | | | | |
| Target: | <input type="checkbox"/> Viewer <input checked="" type="checkbox"/> CH2 100um <input type="checkbox"/> CH2 50um <input type="checkbox"/> out | Drive Positions: | | _____ mm Target (I251Y-R) | | | |
| | <input type="checkbox"/> Mask <input type="checkbox"/> Au <input type="checkbox"/> Alpha <input type="checkbox"/> Empty | | | _____ mm MCP 0 (US) (I250Y-R) | | | |
| MCP MCP 0 (US): | V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | _____ mm MCP 1 (DS) (I250X-R) | | | |
| MCP 1 (DS): | V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | | | | |
| MCP Voltage on? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | S800 Segment 8 Brho: | | Vacuum: _____ e- torr | | | |
| CAEN Bias? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Comments: CRDC 1 Positives still shipping CRDC1 <y> = 1449.2 CRDC2 <y> = 1676 | | | | | |

| | | | | | | | |
|-------------------|---|---|-------|--|-------|-------------------------------|-------------------------------|
| v. 3.3 Run # | 487 | Date: | 02:13 | Start: | 03:39 | Stop: | 1 |
| Your Name: | Juan | Also on Shift: <input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Bill <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Han <input type="checkbox"/> Jack <input checked="" type="checkbox"/> Jenny <input type="checkbox"/> Jon | | | | | |
| Built data? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | <input checked="" type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Kyle <input type="checkbox"/> Mingbo <input checked="" type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Zibi <input type="checkbox"/> _____ | | | | | |
| Run Type: | <input checked="" type="checkbox"/> Data | Singles: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | | Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | | <input type="checkbox"/> CRDC | <input type="checkbox"/> Junk |
| S800 Trigger Box: | (1+) <input type="checkbox"/> S800 <input checked="" type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____) | <input checked="" type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____) | | <input checked="" type="checkbox"/> Sec.: | | _____ | |
| HiRA Trigger: | <input checked="" type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl | Beam: <input checked="" type="checkbox"/> 74Kr <input type="checkbox"/> 74Kr degraded <input type="checkbox"/> proton <input type="checkbox"/> _____ | | | | | |
| Target: | <input type="checkbox"/> Viewer <input checked="" type="checkbox"/> CH2 100um <input type="checkbox"/> CH2 50um <input type="checkbox"/> out | Drive Positions: | | _____ mm | | Target | (I251Y-R) |
| | <input type="checkbox"/> Mask <input type="checkbox"/> Au <input type="checkbox"/> Alpha <input type="checkbox"/> Empty | _____ mm | | MCP 0 (US) | | (I250Y-R) | |
| MCP MCP 0 (US): | V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | _____ mm | | MCP 1 (DS) | | (I250X-R) | |
| MCP 1 (DS): | V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | MCP Voltage on? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | | | | | |
| MCP Voltage on? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | S800 Segment 8 Brho: | | | | Vacuum: _____ e- torr | |
| CAEN Bias? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Comments: EI counts up to about 4000/s | | | | | |

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|-------------------|---|---|----------|--|--|-------------------------------|-------------------------------|
| v. 3.3 Run # | 488 | Date: | 11/14/14 | Start: | | Stop: | 04:11 |
| Your Name: | Juan | Also on Shift: <input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Bill <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Han <input type="checkbox"/> Jack <input checked="" type="checkbox"/> Jenny <input type="checkbox"/> Jon | | | | | |
| Built data? | <input type="checkbox"/> Yes <input type="checkbox"/> No | <input checked="" type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Kyle <input type="checkbox"/> Mingbo <input checked="" type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Zibi <input type="checkbox"/> _____ | | | | | |
| Run Type: | <input checked="" type="checkbox"/> Data | Singles: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | | Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | | <input type="checkbox"/> CRDC | <input type="checkbox"/> Junk |
| S800 Trigger Box: | (1+) <input type="checkbox"/> S800 <input checked="" type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____) | <input checked="" type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____) | | <input checked="" type="checkbox"/> Sec.: | | DS 10 | |
| HiRA Trigger: | <input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl | Beam: <input type="checkbox"/> 74Kr <input type="checkbox"/> 74Kr degraded <input type="checkbox"/> proton <input type="checkbox"/> _____ | | | | | |
| Target: | <input type="checkbox"/> Viewer <input type="checkbox"/> CH2 100um <input type="checkbox"/> CH2 50um <input type="checkbox"/> out | Drive Positions: | | _____ mm | | Target | (I251Y-R) |
| | <input type="checkbox"/> Mask <input type="checkbox"/> Au <input type="checkbox"/> Alpha <input type="checkbox"/> Empty | _____ mm | | MCP 0 (US) | | (I250Y-R) | |
| MCP MCP 0 (US): | V: _____ I: <input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | _____ mm | | MCP 1 (DS) | | (I250X-R) | |
| MCP 1 (DS): | V: _____ I: <input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | MCP Voltage on? <input type="checkbox"/> Yes <input type="checkbox"/> No | | | | | |
| MCP Voltage on? | <input type="checkbox"/> Yes <input type="checkbox"/> No | S800 Segment 8 Brho: | | | | Vacuum: _____ e- torr | |
| CAEN Bias? | <input type="checkbox"/> Yes <input type="checkbox"/> No | Comments: EI back down to about 3000/s. Asked for stripper foil change. | | | | | |

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|-------------------|--|---|----------|---|------|-------------------------------|-------------------------------|
| v. 3.3 Run # | 489 | Date: | 11/14/14 | Start: | 4:17 | Stop: | 4:58 |
| Your Name: | | Also on Shift: <input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Bill <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Han <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon | | | | | |
| Built data? | <input type="checkbox"/> Yes <input type="checkbox"/> No | <input type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Kyle <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Zibi <input type="checkbox"/> _____ | | | | | |
| Run Type: | <input type="checkbox"/> Data | Singles: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | | Calib: (<input checked="" type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | | <input type="checkbox"/> CRDC | <input type="checkbox"/> Junk |
| S800 Trigger Box: | (1+) <input type="checkbox"/> S800 <input type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____) | <input type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____) | | <input checked="" type="checkbox"/> Sec.: | | DS 1 | |
| HiRA Trigger: | <input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl | Beam: <input type="checkbox"/> 74Kr <input type="checkbox"/> 74Kr degraded <input type="checkbox"/> proton <input type="checkbox"/> _____ | | | | | |
| Target: | <input type="checkbox"/> Viewer <input type="checkbox"/> CH2 100um <input type="checkbox"/> CH2 50um <input type="checkbox"/> out | Drive Positions: | | 236.7 mm | | Target | (I251Y-R) |
| | <input type="checkbox"/> Mask <input type="checkbox"/> Au <input checked="" type="checkbox"/> Alpha <input type="checkbox"/> Empty | 70.5 mm | | MCP 0 (US) | | (I250Y-R) | |
| MCP MCP 0 (US): | V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | 107.9 mm | | MCP 1 (DS) | | (I250X-R) | |
| MCP 1 (DS): | V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | MCP Voltage on? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | | | | | |
| MCP Voltage on? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | S800 Segment 8 Brho: | | | | Vacuum: 3.8 e-6 torr | |
| CAEN Bias? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Comments: Alpha during Beam Re-tune | | | | | |

| | | | | | | | |
|-------------------|---|---|----------|--|------|---|------|
| v. 3.3 Run # | 490 | Date: | 11/14/14 | Start: | 5:01 | Stop: | 6:03 |
| Your Name: | Rachel | Also on Shift: <input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Bill <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Han <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon | | | | | |
| Built data? | <input type="checkbox"/> Yes <input type="checkbox"/> No | <input checked="" type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Kyle <input type="checkbox"/> Mingbo <input checked="" type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Zibi <input type="checkbox"/> | | | | | |
| Run Type: | <input checked="" type="checkbox"/> Data | Singles: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | | Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | | <input type="checkbox"/> CRDC <input type="checkbox"/> Junk | |
| S800 Trigger Box: | (1+) <input type="checkbox"/> S800 <input checked="" type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____) | <input checked="" type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____) | | <input checked="" type="checkbox"/> Sec.: DS 10 | | | |
| HiRA Trigger: | <input checked="" type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl | Beam: <input checked="" type="checkbox"/> 74Kr <input type="checkbox"/> 74Kr degraded <input type="checkbox"/> proton <input type="checkbox"/> | | | | | |
| Target: | <input type="checkbox"/> Viewer <input checked="" type="checkbox"/> CH2 100um <input type="checkbox"/> CH2 50um <input type="checkbox"/> out | Drive Positions: | | 83 mm Target (I251Y-R) | | | |
| | <input type="checkbox"/> Mask <input type="checkbox"/> Au <input type="checkbox"/> Alpha <input type="checkbox"/> Empty | | | 70.5 mm MCP 0 (US) (I250Y-R) | | | |
| MCP MCP 0 (US): | V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | 107.5 mm MCP 1 (DS) (I250X-R) | | | |
| MCP 1 (DS): | V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | | | | |
| MCP Voltage on? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | S800 Segment 8 Brho: | | Vacuum: _____ e- torr | | | |
| CAEN Bias? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Comments: EI rates back up to ~5200. | | | | | |

| | | | | | | | |
|-------------------|---|---|----------|---|------|--|------|
| v. 3.3 Run # | 491 | Date: | 11/14/14 | Start: | 6:04 | Stop: | 6:06 |
| Your Name: | Juan | Also on Shift: <input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Bill <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Han <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon | | | | | |
| Built data? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | <input checked="" type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Kyle <input type="checkbox"/> Mingbo <input checked="" type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Zibi <input type="checkbox"/> | | | | | |
| Run Type: | <input type="checkbox"/> Data | Singles: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | | Calib: (<input type="checkbox"/> HiRA <input checked="" type="checkbox"/> S800 <input type="checkbox"/> MCP) | | <input checked="" type="checkbox"/> CRDC <input type="checkbox"/> Junk | |
| S800 Trigger Box: | (1+) <input checked="" type="checkbox"/> S800 <input type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____) | <input type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____) | | <input type="checkbox"/> Sec.: _____ | | | |
| HiRA Trigger: | <input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl | Beam: <input checked="" type="checkbox"/> 74Kr <input type="checkbox"/> 74Kr degraded <input type="checkbox"/> proton <input type="checkbox"/> | | | | | |
| Target: | <input type="checkbox"/> Viewer <input checked="" type="checkbox"/> CH2 100um <input type="checkbox"/> CH2 50um <input type="checkbox"/> out | Drive Positions: | | _____ mm Target (I251Y-R) | | | |
| | <input type="checkbox"/> Mask <input type="checkbox"/> Au <input type="checkbox"/> Alpha <input type="checkbox"/> Empty | | | _____ mm MCP 0 (US) (I250Y-R) | | | |
| MCP MCP 0 (US): | V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | _____ mm MCP 1 (DS) (I250X-R) | | | |
| MCP 1 (DS): | V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | | | | |
| MCP Voltage on? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | S800 Segment 8 Brho: | | Vacuum: _____ e- torr | | | |
| CAEN Bias? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Comments: CRDC / Mask | | | | | |

| | | | | | | | |
|-------------------|---|---|----------|---|------|--|------|
| v. 3.3 Run # | 492 | Date: | 11/14/14 | Start: | 6:06 | Stop: | 6:08 |
| Your Name: | Juan | Also on Shift: <input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Bill <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Han <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon | | | | | |
| Built data? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | <input checked="" type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Kyle <input type="checkbox"/> Mingbo <input checked="" type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Zibi <input type="checkbox"/> | | | | | |
| Run Type: | <input checked="" type="checkbox"/> Data | Singles: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | | Calib: (<input type="checkbox"/> HiRA <input checked="" type="checkbox"/> S800 <input type="checkbox"/> MCP) | | <input checked="" type="checkbox"/> CRDC <input type="checkbox"/> Junk | |
| S800 Trigger Box: | (1+) <input checked="" type="checkbox"/> S800 <input type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____) | <input type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____) | | <input type="checkbox"/> Sec.: _____ | | | |
| HiRA Trigger: | <input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl | Beam: <input checked="" type="checkbox"/> 74Kr <input type="checkbox"/> 74Kr degraded <input type="checkbox"/> proton <input type="checkbox"/> | | | | | |
| Target: | <input type="checkbox"/> Viewer <input checked="" type="checkbox"/> CH2 100um <input type="checkbox"/> CH2 50um <input type="checkbox"/> out | Drive Positions: | | _____ mm Target (I251Y-R) | | | |
| | <input type="checkbox"/> Mask <input type="checkbox"/> Au <input type="checkbox"/> Alpha <input type="checkbox"/> Empty | | | _____ mm MCP 0 (US) (I250Y-R) | | | |
| MCP MCP 0 (US): | V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | _____ mm MCP 1 (DS) (I250X-R) | | | |
| MCP 1 (DS): | V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | | | | |
| MCP Voltage on? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | S800 Segment 8 Brho: | | Vacuum: _____ e- torr | | | |
| CAEN Bias? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Comments: CRDC 2 Mask | | | | | |

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|-------------------|---|---|----------|--|------|-------------------------------|-------------------------------|
| v. 3.3 Run # | 493 | Date: | 11/14/14 | Start: | 6:09 | Stop: | 7:14 |
| Your Name: | Juan | Also on Shift: <input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Bill <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Han <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon | | | | | |
| Built data? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | <input checked="" type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Kyle <input type="checkbox"/> Mingbo <input checked="" type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Zibi <input type="checkbox"/> | | | | | |
| Run Type: | <input checked="" type="checkbox"/> Data | Singles: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | | Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | | <input type="checkbox"/> CRDC | <input type="checkbox"/> Junk |
| S800 Trigger Box: | (1+) <input checked="" type="checkbox"/> S800 <input checked="" type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/>) | <input checked="" type="checkbox"/> Ext. 2 (<input checked="" type="checkbox"/> MCP DS <input type="checkbox"/>) | | <input checked="" type="checkbox"/> Sec.: | | | |
| HiRA Trigger: | <input checked="" type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl | Beam: | | <input checked="" type="checkbox"/> 74Kr <input type="checkbox"/> 74Kr degraded <input type="checkbox"/> proton <input type="checkbox"/> | | | |
| Target: | <input type="checkbox"/> Viewer <input checked="" type="checkbox"/> CH2 100um <input type="checkbox"/> CH2 50um <input type="checkbox"/> out | Drive Positions: | | _____ mm | | Target | (I251Y-R) |
| | <input type="checkbox"/> Mask <input type="checkbox"/> Au <input type="checkbox"/> Alpha <input type="checkbox"/> Empty | | | _____ mm | | MCP 0 (US) | (I250Y-R) |
| MCP MCP 0 (US): | V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | _____ mm | | MCP 1 (DS) | (I250X-R) |
| MCP 1 (DS): | V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | | | | |
| MCP Voltage on? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | S800 Segment 8 Brho: | | Vacuum: | | e- torr | |
| CAEN Bias? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Comments: | | | | | |

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|-------------------|--|---|----------|--|------|-------------------------------|-------------------------------|
| v. 3.3 Run # | 494 | Date: | 11/14/14 | Start: | 7:16 | Stop: | 8:16 |
| Your Name: | Juan | Also on Shift: <input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Bill <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Han <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon | | | | | |
| Built data? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | <input checked="" type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Kyle <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Zibi <input type="checkbox"/> | | | | | |
| Run Type: | <input checked="" type="checkbox"/> Data | Singles: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input checked="" type="checkbox"/> MCP) | | Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | | <input type="checkbox"/> CRDC | <input type="checkbox"/> Junk |
| S800 Trigger Box: | (1+) <input type="checkbox"/> S800 <input checked="" type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/>) | <input checked="" type="checkbox"/> Ext. 2 (<input checked="" type="checkbox"/> MCP DS <input type="checkbox"/>) | | <input checked="" type="checkbox"/> Sec.: | | | |
| HiRA Trigger: | <input checked="" type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl | Beam: | | <input checked="" type="checkbox"/> 74Kr <input type="checkbox"/> 74Kr degraded <input type="checkbox"/> proton <input type="checkbox"/> | | | |
| Target: | <input type="checkbox"/> Viewer <input checked="" type="checkbox"/> CH2 100um <input type="checkbox"/> CH2 50um <input type="checkbox"/> out | Drive Positions: | | _____ mm | | Target | (I251Y-R) |
| | <input type="checkbox"/> Mask <input type="checkbox"/> Au <input type="checkbox"/> Alpha <input type="checkbox"/> Empty | | | _____ mm | | MCP 0 (US) | (I250Y-R) |
| MCP MCP 0 (US): | V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | _____ mm | | MCP 1 (DS) | (I250X-R) |
| MCP 1 (DS): | V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | | | | |
| MCP Voltage on? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | S800 Segment 8 Brho: | | Vacuum: | | e- torr | |
| CAEN Bias? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Comments: | | | | | |

| | | | | | | | |
|-------------------|--|---|----------|---|------|-------------------------------|-------------------------------|
| v. 3.3 Run # | 495 | Date: | 11/15/14 | Start: | 8:16 | Stop: | 9:16 |
| Your Name: | Jon | Also on Shift: <input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Bill <input type="checkbox"/> Cole <input checked="" type="checkbox"/> Corinne <input type="checkbox"/> Han <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input checked="" type="checkbox"/> Jon | | | | | |
| Built data? | <input type="checkbox"/> Yes <input type="checkbox"/> No | <input checked="" type="checkbox"/> Juan <input checked="" type="checkbox"/> Justin <input type="checkbox"/> Kyle <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Zibi <input type="checkbox"/> | | | | | |
| Run Type: | <input checked="" type="checkbox"/> Data | Singles: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | | Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | | <input type="checkbox"/> CRDC | <input type="checkbox"/> Junk |
| S800 Trigger Box: | (1+) <input type="checkbox"/> S800 <input checked="" type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/>) | <input checked="" type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/>) | | <input checked="" type="checkbox"/> Sec.: | | | |
| HiRA Trigger: | <input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl | Beam: | | <input type="checkbox"/> 74Kr <input type="checkbox"/> 74Kr degraded <input type="checkbox"/> proton <input type="checkbox"/> | | | |
| Target: | <input type="checkbox"/> Viewer <input checked="" type="checkbox"/> CH2 100um <input type="checkbox"/> CH2 50um <input type="checkbox"/> out | Drive Positions: | | _____ mm | | Target | (I251Y-R) |
| | <input type="checkbox"/> Mask <input type="checkbox"/> Au <input type="checkbox"/> Alpha <input type="checkbox"/> Empty | | | _____ mm | | MCP 0 (US) | (I250Y-R) |
| MCP MCP 0 (US): | V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | _____ mm | | MCP 1 (DS) | (I250X-R) |
| MCP 1 (DS): | V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | | | | |
| MCP Voltage on? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | S800 Segment 8 Brho: | | 2.2954 | | Vacuum: e- torr | |
| CAEN Bias? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Comments: | | | | | |

| | | | | | | | |
|---|---|--|----------|--|------------|---|-------|
| v. 3.3 Run # | 496 | Date: | 11/15/14 | Start: | 9:16 | Stop: | 10:11 |
| Your Name: | Conne | Also on Shift: <input type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Bill <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Han <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input checked="" type="checkbox"/> Jon | | | | | |
| Built data? | <input type="checkbox"/> Yes <input type="checkbox"/> No | <input checked="" type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Kyle <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Zibi <input type="checkbox"/> | | | | | |
| Run Type: | <input checked="" type="checkbox"/> Data | Singles: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | | Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | | <input type="checkbox"/> CRDC <input type="checkbox"/> Junk | |
| S800 Trigger Box: | (1+) <input type="checkbox"/> S800 <input checked="" type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____) | <input checked="" type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____) | | <input checked="" type="checkbox"/> Sec.: _____ | | | |
| HiRA Trigger: | <input checked="" type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl | Beam: <input checked="" type="checkbox"/> 74Kr <input type="checkbox"/> 74Kr degraded <input type="checkbox"/> proton <input type="checkbox"/> | | | | | |
| Target: | <input type="checkbox"/> Viewer <input checked="" type="checkbox"/> CH2 100um <input type="checkbox"/> CH2 50um <input type="checkbox"/> out | <input type="checkbox"/> Mask <input type="checkbox"/> Au <input type="checkbox"/> Alpha <input type="checkbox"/> Empty | | Drive Positions: | | | |
| MCP MCP 0 (US): | V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | _____ mm | Target | (I251Y-R) | |
| MCP 1 (DS): | V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | _____ mm | MCP 0 (US) | (I250Y-R) | |
| MCP Voltage on? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | S800 Segment 8 Brho: | | _____ mm | MCP 1 (DS) | (I250X-R) | |
| CAEN Bias? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Comments: | | Vacuum: _____ e- torr | | | |
| Operatus took beam for board/network switch | | | | | | | |

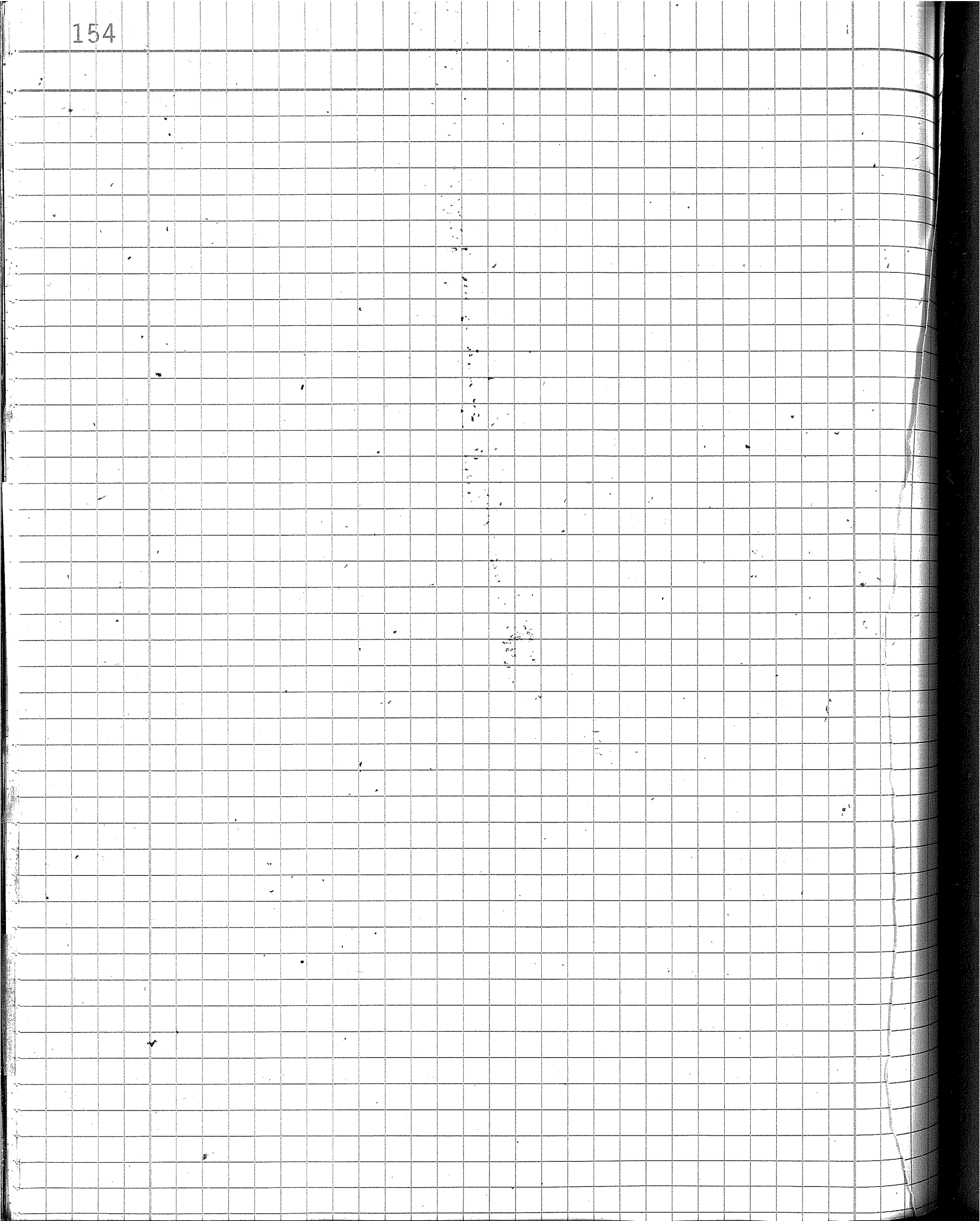
| | | | | | | | |
|-------------------|---|---|----------|--|------------|---|-------|
| v. 3.3 Run # | 497 | Date: | 11/15/14 | Start: | 10:26 | Stop: | 11:23 |
| Your Name: | Justin | Also on Shift: <input checked="" type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Bill <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Han <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input checked="" type="checkbox"/> Jon | | | | | |
| Built data? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | <input checked="" type="checkbox"/> Juan <input checked="" type="checkbox"/> Justin <input type="checkbox"/> Kyle <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Zibi <input type="checkbox"/> | | | | | |
| Run Type: | <input checked="" type="checkbox"/> Data | Singles: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | | Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | | <input type="checkbox"/> CRDC <input type="checkbox"/> Junk | |
| S800 Trigger Box: | (1+) <input type="checkbox"/> S800 <input checked="" type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____) | <input checked="" type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____) | | <input checked="" type="checkbox"/> Sec.: _____ | | | |
| HiRA Trigger: | <input checked="" type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl | Beam: <input type="checkbox"/> 74Kr <input type="checkbox"/> 74Kr degraded <input type="checkbox"/> proton <input type="checkbox"/> | | | | | |
| Target: | <input type="checkbox"/> Viewer <input checked="" type="checkbox"/> CH2 100um <input type="checkbox"/> CH2 50um <input type="checkbox"/> out | <input type="checkbox"/> Mask <input type="checkbox"/> Au <input type="checkbox"/> Alpha <input type="checkbox"/> Empty | | Drive Positions: | | | |
| MCP MCP 0 (US): | V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | 83.01 mm | Target | (I251Y-R) | |
| MCP 1 (DS): | V: _____ I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | 7.5 mm | MCP 0 (US) | (I250Y-R) | |
| MCP Voltage on? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | S800 Segment 8 Brho: | | 107.5 mm | MCP 1 (DS) | (I250X-R) | |
| CAEN Bias? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Comments: | | Vacuum: _____ e- torr | | | |

| | | | | | | | |
|-------------------|---|---|----------|--|------------|---|-------|
| v. 3.3 Run # | 498 | Date: | 11/15/14 | Start: | 11:24 | Stop: | 12:16 |
| Your Name: | Conne | Also on Shift: <input checked="" type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Bill <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Han <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input checked="" type="checkbox"/> Jon | | | | | |
| Built data? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | <input type="checkbox"/> Juan <input checked="" type="checkbox"/> Justin <input type="checkbox"/> Kyle <input checked="" type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Zibi <input type="checkbox"/> | | | | | |
| Run Type: | <input checked="" type="checkbox"/> Data | Singles: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | | Calib: (<input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP) | | <input type="checkbox"/> CRDC <input type="checkbox"/> Junk | |
| S800 Trigger Box: | (1+) <input type="checkbox"/> S800 <input checked="" type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____) | <input checked="" type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____) | | <input checked="" type="checkbox"/> Sec.: _____ | | | |
| HiRA Trigger: | <input checked="" type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl | Beam: <input checked="" type="checkbox"/> 74Kr <input type="checkbox"/> 74Kr degraded <input type="checkbox"/> proton <input type="checkbox"/> | | | | | |
| Target: | <input type="checkbox"/> Viewer <input checked="" type="checkbox"/> CH2 100um <input type="checkbox"/> CH2 50um <input type="checkbox"/> out | <input type="checkbox"/> Mask <input type="checkbox"/> Au <input type="checkbox"/> Alpha <input type="checkbox"/> Empty | | Drive Positions: | | | |
| MCP MCP 0 (US): | V: _____ I: <input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | _____ mm | Target | (I251Y-R) | |
| MCP 1 (DS): | V: _____ I: <input type="checkbox"/> foil <input type="checkbox"/> mask <input type="checkbox"/> out | | | _____ mm | MCP 0 (US) | (I250Y-R) | |
| MCP Voltage on? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | S800 Segment 8 Brho: | | _____ mm | MCP 1 (DS) | (I250X-R) | |
| CAEN Bias? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Comments: | | Vacuum: 3.8 e-6 torr | | | |

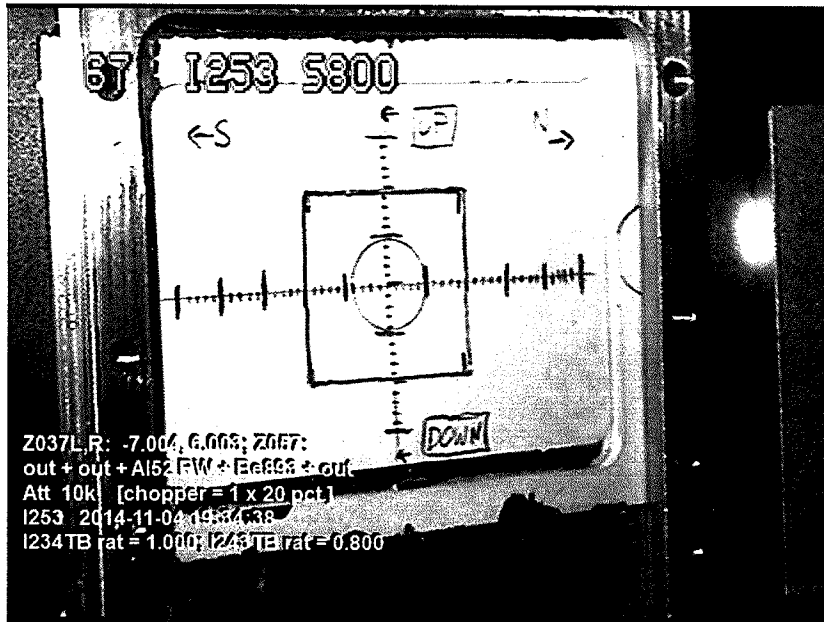
| | | | | | | | |
|-------------------|--|---|--|---|----------------------|---|-----------|
| v. 3.3 Run # | 499 | Date: | 11/14/14 | Start: | 12:16 | Stop: | 14:43 |
| Your Name: | Justin | Also on Shift: | <input checked="" type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Bill <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Han <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input checked="" type="checkbox"/> Jon | | | | |
| Built data? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | <input type="checkbox"/> Juan <input checked="" type="checkbox"/> Justin <input type="checkbox"/> Kyle <input checked="" type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Zibi <input type="checkbox"/> _____ | | | | | |
| Run Type: | <input type="checkbox"/> Data | Singles: | <input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP | | Calib: | <input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input checked="" type="checkbox"/> MCP <input type="checkbox"/> CRDC <input type="checkbox"/> Junk | |
| S800 Trigger Box: | (1+) <input checked="" type="checkbox"/> S800 <input type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____) <input type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____) <input type="checkbox"/> Sec.: _____ | | | | | | |
| HiRA Trigger: | <input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl | | Beam: <input checked="" type="checkbox"/> 74Kr <input type="checkbox"/> 74Kr degraded <input type="checkbox"/> proton <input type="checkbox"/> _____ | | | | |
| Target: | <input type="checkbox"/> Viewer <input type="checkbox"/> Mask | <input checked="" type="checkbox"/> CH2 100um <input type="checkbox"/> Au | <input type="checkbox"/> CH2 50um <input type="checkbox"/> Alpha | <input type="checkbox"/> out <input type="checkbox"/> Empty | Drive Positions: | | |
| | | | | | 83.01 mm | Target | (I251Y-R) |
| MCP MCP 0 (US): | V: _____ | I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask | <input type="checkbox"/> out | 70.5 mm | | | |
| MCP 1 (DS): | V: _____ | I: <input type="checkbox"/> foil <input checked="" type="checkbox"/> mask | <input type="checkbox"/> out | 183.5 mm | | | |
| MCP Voltage on? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | S800 Segment 8 Brho: | | | Vacuum: 3.8 e-6 torr | | |
| CAEN Bias? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Comments: MCP.1 Mask in | | | | | |

| | | | | | | | |
|-------------------|---|--|---|---|----------------------|---|-----------|
| v. 3.3 Run # | 501 | Date: | 11/14/14 | Start: | 1:45 | Stop: | 14:58 |
| Your Name: | Justin | Also on Shift: | <input checked="" type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Bill <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Han <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon | | | | |
| Built data? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | <input type="checkbox"/> Juan <input checked="" type="checkbox"/> Justin <input type="checkbox"/> Kyle <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input type="checkbox"/> Suwat <input type="checkbox"/> Zibi <input type="checkbox"/> _____ | | | | | |
| Run Type: | <input type="checkbox"/> Data | Singles: | <input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP | | Calib: | <input checked="" type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP <input type="checkbox"/> CRDC <input type="checkbox"/> Junk | |
| S800 Trigger Box: | (1+) <input type="checkbox"/> S800 <input type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____) <input type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____) <input checked="" type="checkbox"/> Sec.: DS 1 | | | | | | |
| HiRA Trigger: | <input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl | | Beam: <input type="checkbox"/> 74Kr <input type="checkbox"/> 74Kr degraded <input type="checkbox"/> proton <input checked="" type="checkbox"/> alpha | | | | |
| Target: | <input type="checkbox"/> Viewer <input type="checkbox"/> Mask | <input type="checkbox"/> CH2 100um <input type="checkbox"/> Au | <input type="checkbox"/> CH2 50um <input checked="" type="checkbox"/> Alpha | <input type="checkbox"/> out <input type="checkbox"/> Empty | Drive Positions: | | |
| | | | | | 236.7 mm | Target | (I251Y-R) |
| MCP MCP 0 (US): | V: _____ | I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask | <input type="checkbox"/> out | 70.5 mm | | | |
| MCP 1 (DS): | V: _____ | I: <input type="checkbox"/> foil <input checked="" type="checkbox"/> mask | <input type="checkbox"/> out | 107.5 mm | | | |
| MCP Voltage on? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | S800 Segment 8 Brho: | | | Vacuum: 3.7 e-6 torr | | |
| CAEN Bias? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Comments: Alpha calibration | | | | | |

| | | | | | | | |
|-------------------|--|--|---|---|----------------------|--|-----------|
| v. 3.3 Run # | 502 | Date: | 11/14/14 | Start: | 17:05 | Stop: | |
| Your Name: | Jon | Also on Shift: | <input checked="" type="checkbox"/> Andy <input type="checkbox"/> Ben <input type="checkbox"/> Bill <input type="checkbox"/> Cole <input type="checkbox"/> Corinne <input type="checkbox"/> Han <input type="checkbox"/> Jack <input type="checkbox"/> Jenny <input type="checkbox"/> Jon | | | | |
| Built data? | <input type="checkbox"/> Yes <input type="checkbox"/> No | <input type="checkbox"/> Juan <input type="checkbox"/> Justin <input type="checkbox"/> Kyle <input type="checkbox"/> Mingbo <input type="checkbox"/> Rachel <input type="checkbox"/> Sean <input checked="" type="checkbox"/> Suwat <input type="checkbox"/> Zibi <input type="checkbox"/> _____ | | | | | |
| Run Type: | <input checked="" type="checkbox"/> Data | Singles: | <input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP | | Calib: | <input type="checkbox"/> HiRA <input type="checkbox"/> S800 <input type="checkbox"/> MCP <input type="checkbox"/> CRDC <input type="checkbox"/> Junk | |
| S800 Trigger Box: | (1+) <input type="checkbox"/> S800 <input checked="" type="checkbox"/> Coin. <input type="checkbox"/> Ext.1 (<input type="checkbox"/> pulser <input type="checkbox"/> _____) <input checked="" type="checkbox"/> Ext. 2 (<input type="checkbox"/> MCP DS <input type="checkbox"/> _____) <input checked="" type="checkbox"/> Sec.: _____ | | | | | | |
| HiRA Trigger: | <input type="checkbox"/> EF&EB <input type="checkbox"/> EF <input type="checkbox"/> Csl | | Beam: <input checked="" type="checkbox"/> 74Kr <input type="checkbox"/> 74Kr degraded <input type="checkbox"/> proton <input type="checkbox"/> _____ | | | | |
| Target: | <input type="checkbox"/> Viewer <input type="checkbox"/> Mask | <input checked="" type="checkbox"/> CH2 100um <input type="checkbox"/> Au | <input type="checkbox"/> CH2 50um <input type="checkbox"/> Alpha | <input type="checkbox"/> out <input type="checkbox"/> Empty | Drive Positions: | | |
| | | | | | 83 mm | Target | (I251Y-R) |
| MCP MCP 0 (US): | V: _____ | I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask | <input type="checkbox"/> out | 70.5 mm | | | |
| MCP 1 (DS): | V: _____ | I: <input checked="" type="checkbox"/> foil <input type="checkbox"/> mask | <input type="checkbox"/> out | 107.5 mm | | | |
| MCP Voltage on? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | S800 Segment 8 Brho: | | | Vacuum: 3.7 e-6 torr | | |
| CAEN Bias? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Comments: First First run after tour disruption | | | | | |

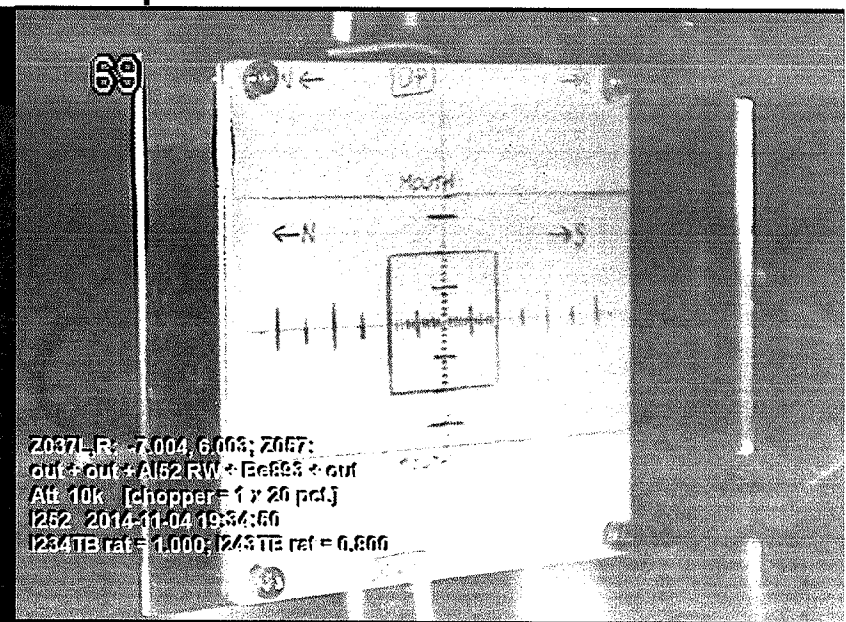


Camera Photos for Exp 10015



Z037L,R: -7.004, 6.003; Z067:
out + out + Al52 RW + Be893 + out
Att 10k [chopper = 1 x 20 pct]
I253 2014-11-04 19:33:38
I234TB rat = 1.000; I243TB rat = 0.800

67 I253 S800



Z037L,R: -7.004, 6.003; Z067:
out + out + Al52 RW + Be893 + out
Att 10k [chopper = 1 x 20 pct]
I252 2014-11-04 19:34:60
I234TB rat = 1.000; I243TB rat = 0.800

69

Z037L,R: -7.004, 6.003; Z057:
out + out + Al52 RW + Be893 + out
Att 10k [chopper = 1 x 20 pct]
I253 2014-11-04 19:32:00
I234TB rat = 1.000; I243TB rat = 0.800

Z037L,R: -7.004, 6.003; Z057:
out + out + Al52 RW + Be893 + out
Att 10k [chopper = 1 x 20 pct]
I252 2014-11-04 19:31:33
I234TB rat = 1.000; I243TB rat = 0.800

Camera Photos for Exp 10015

67 I253 S800

69

Z037L,R: -7.004, 6.003; Z057:
out + out + Al52 RW + Be893 + out
Att 10k [chopper = 1 x 20 pct.]
I253 2014-11-04 19:32:51
I234TB rat = 0.950; I243TB rat = 0.800

Z037L,R: -7.004, 6.003; Z057:
out + out + Al52 RW + Be893 + out
Att 10k [chopper = 1 x 20 pct.]
I252 2014-11-04 19:32:31
I234TB rat = 0.950; I243TB rat = 0.800

67 I253 S800

69

Z037L,R: -7.004, 6.003; Z057:
out + out + Al52 RW + Be893 + out
Att 10k [chopper = 1 x 20 pct.]
I253 2014-11-04 19:33:40
I234TB rat = 1.000; I243TB rat = 0.949

Z037L,R: -7.004, 6.003; Z057:
out + out + Al52 RW + Be893 + out
Att 10k [chopper = 1 x 20 pct.]
I252 2014-11-04 19:33:29
I234TB rat = 1.000; I243TB rat = 0.949

Camera Photos for Exp 10015
Kr-74 fragments

67 I253 5800

69

Z037L,R: -16.004, 16.003; Z057:
out + out + out + Be610a + out
Att 1 [chopper = 0 x 10 pct.]
I253 2014-11-04 22:23:10
I234TB rat = 1.000; I243TB rat = 0.800

Z037L,R: -16.004, 16.003; Z057:
out + out + out + Be610a + out
Att 1 [chopper = 0 x 10 pct.]
I252 2014-11-04 22:23:00
I234TB rat = 1.000; I243TB rat = 0.800

67 I253 5800

69

Z037L,R: -16.004, 16.003; Z057:
out + out + out + Be610a + out
Att 1 [chopper = 0 x 10 pct.]
I253 2014-11-04 22:32:53
I234TB rat = 0.950; I243TB rat = 0.800

Z037L,R: -16.004, 16.003; Z057:
out + out + out + Be610a + out
Att 1 [chopper = 0 x 10 pct.]
I252 2014-11-04 22:32:49
I234TB rat = 0.950; I243TB rat = 0.800

Camera Photos for Exp 10015

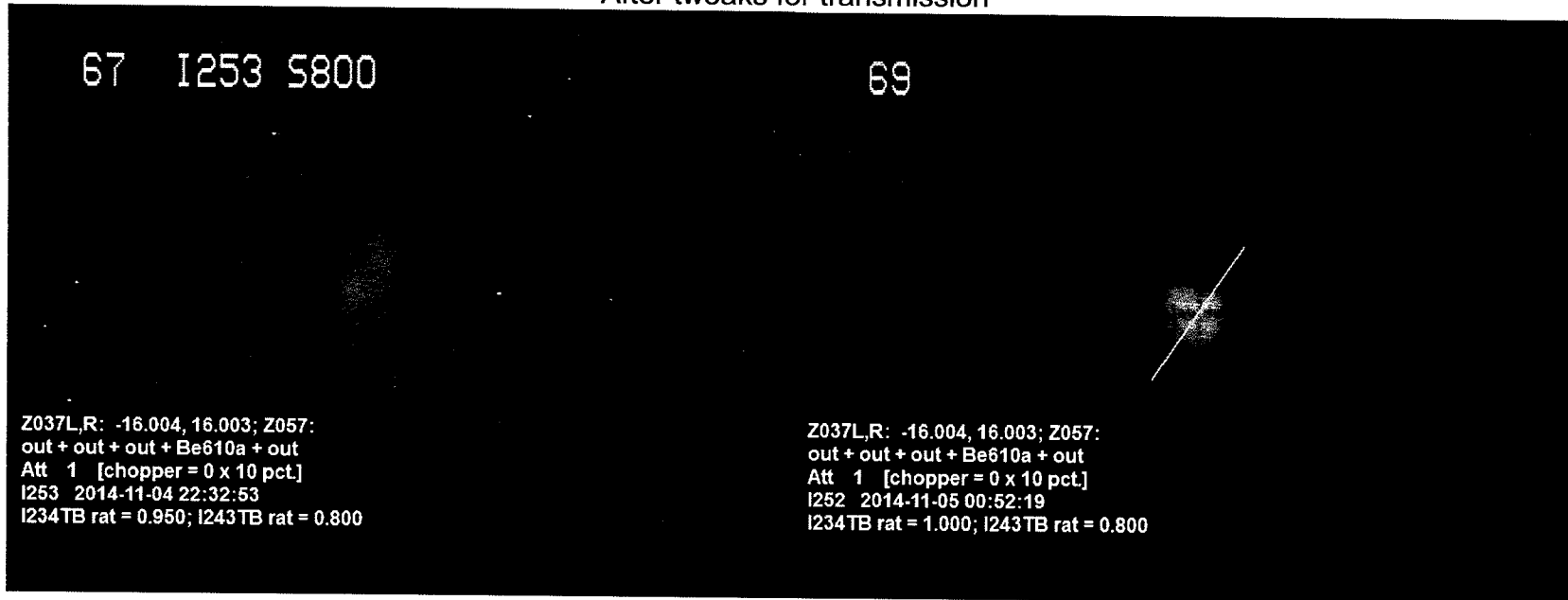
67 I253 5800

69

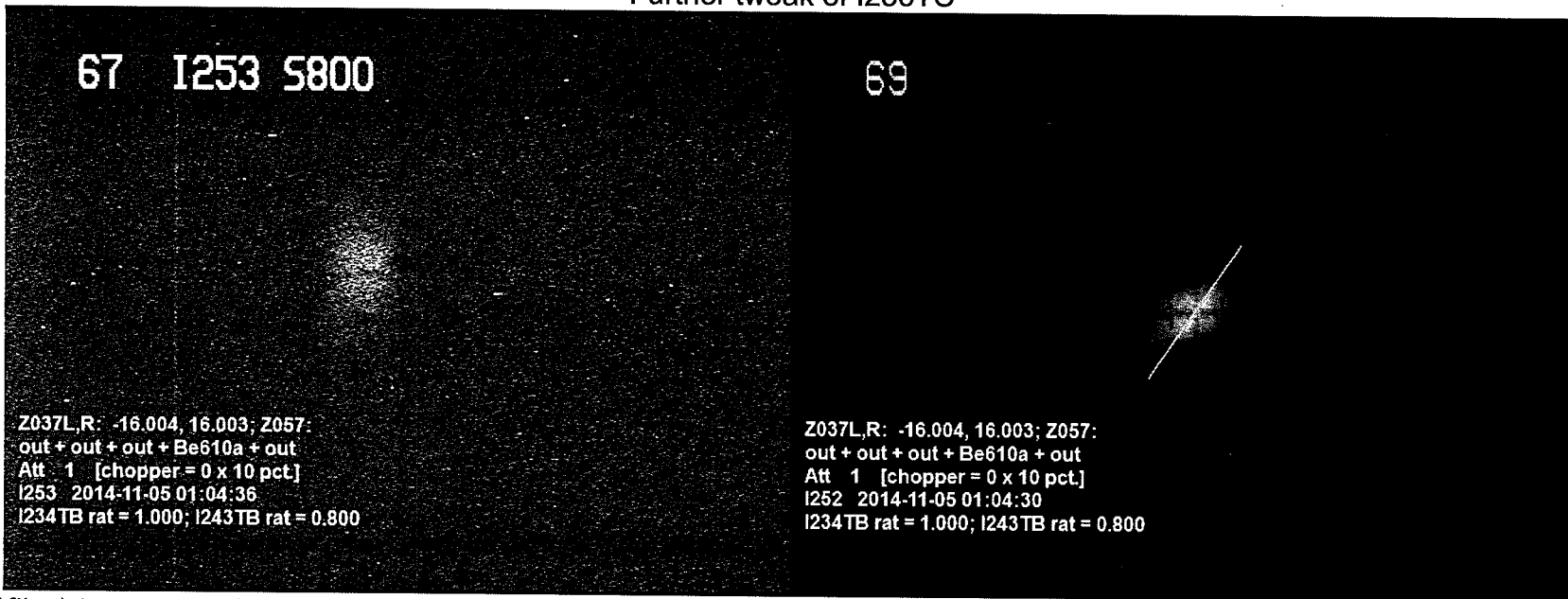
Z037L,R: -16.004, 16.003; Z057:
out + out + out + Be610a + out
Att 1 [chopper = 0 x 10 pct.]
I253 2014-11-04 22:30:00
I234TB rat = 1.000; I243TB rat = 0.949

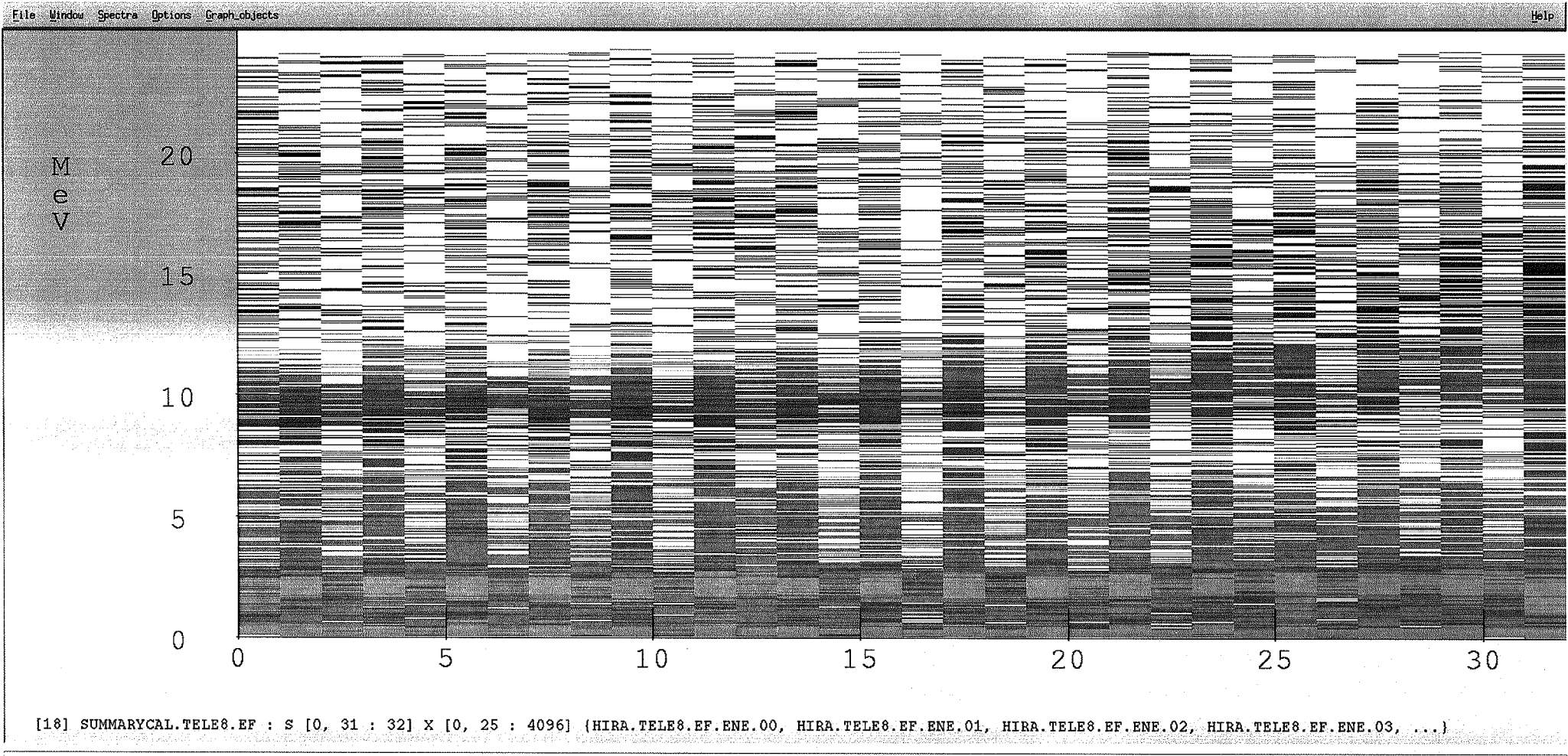
Z037L,R: -16.004, 16.003; Z057:
out + out + out + Be610a + out
Att 1 [chopper = 0 x 10 pct.]
I252 2014-11-04 22:29:56
I234TB rat = 1.000; I243TB rat = 0.949

Camera Photos for Exp 10015
After tweaks for transmission



Further tweak of I236TC





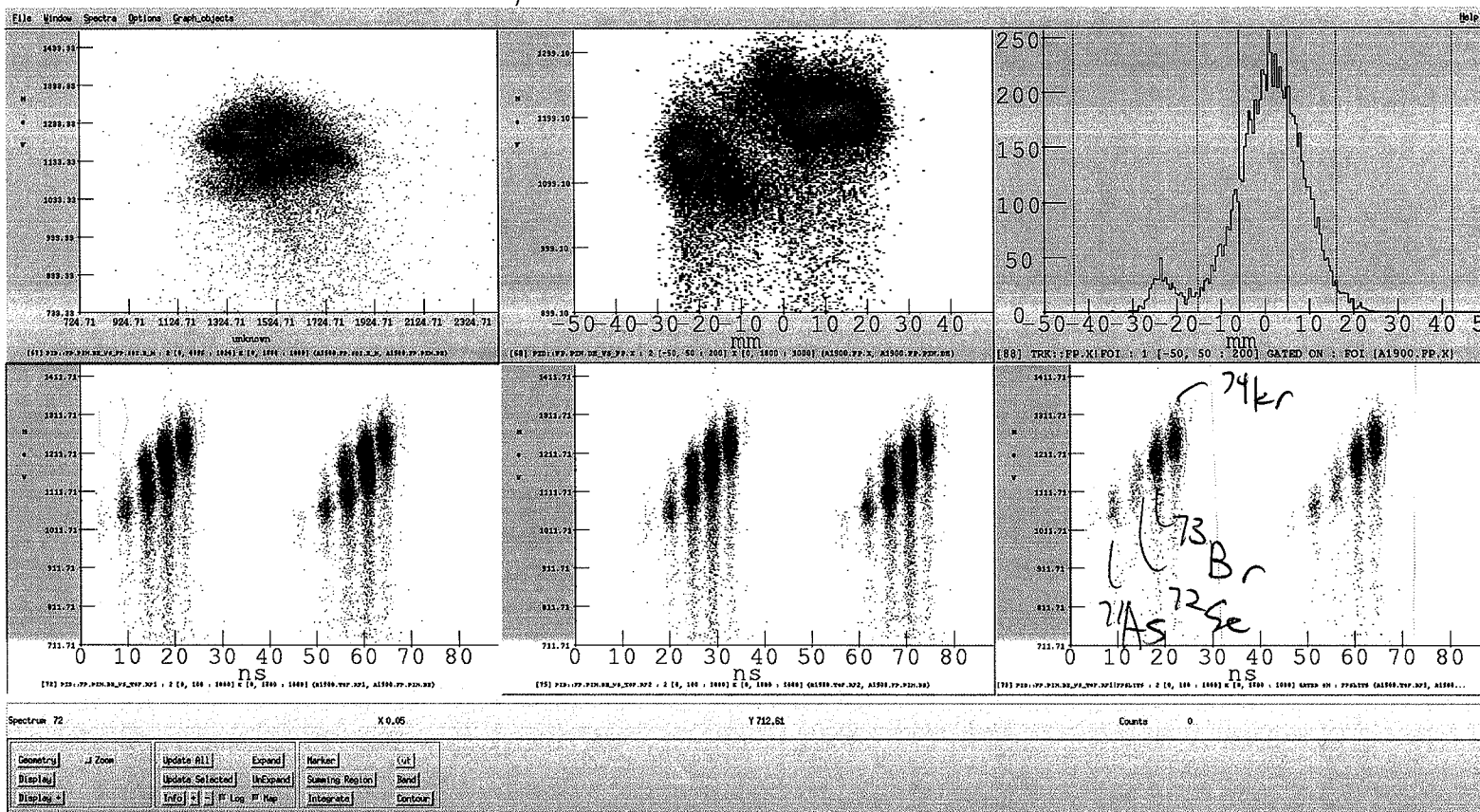
[18] SUMMARYCAL.TELE8.EF : S [0, 31 : 32] X [0, 25 : 4096] (HIRA.TELE8.EF.ENE.00, HIRA.TELE8.EF.ENE.01, HIRA.TELE8.EF.ENE.02, HIRA.TELE8.EF.ENE.03, ...)

Spectrum 18 X 30.50 Y 12.81 Counts 0

| | | | | | |
|-----------|-------------------------------|-----------------|---|----------------|---------|
| Geonetry | <input type="checkbox"/> Zoom | Update All | Expand | Marker | Cut |
| Display | | Update Selected | UnExpand | Summing Region | Band |
| Display + | | Info | <input type="checkbox"/> Log <input type="checkbox"/> Map | Integrate | Contour |

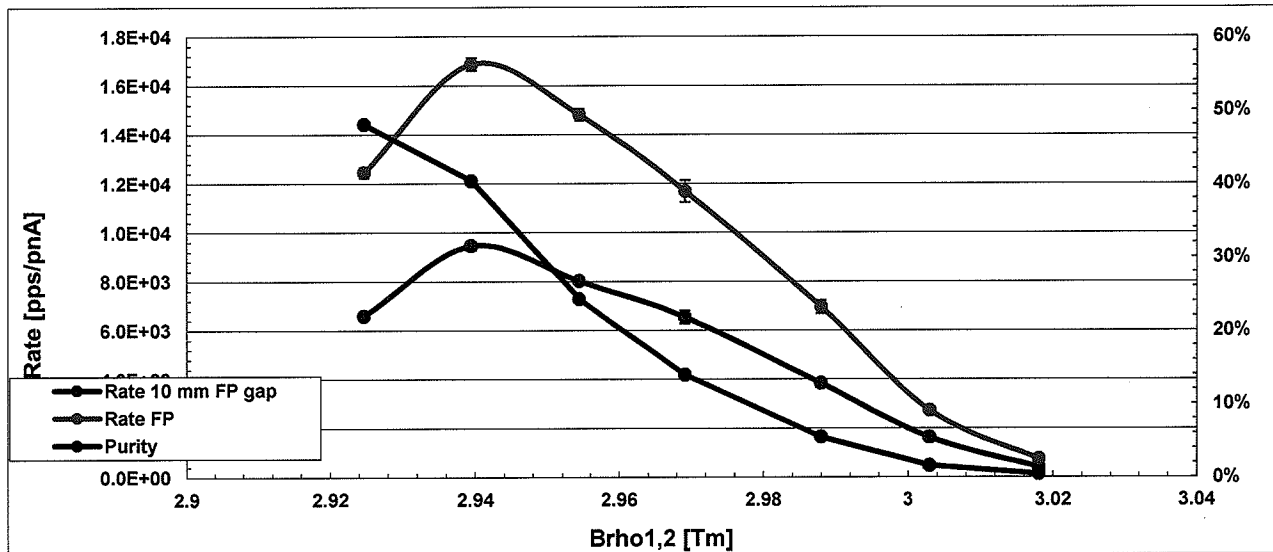
Run 350 T8_EF
 11/10/14
 Even channels look problematic ... chip?

A1900 RUN 6699
 ^{74}Kr at 1 σ below LISE optimum
 rigidity after target



Momentum acceptance: 0.5% dp/p
 ^{74}Kr : rate = 9,400 pps/pnA; purity = 40%
 (within beamline position acceptance)

| EXP: | Frag: | Qbeam: | | | | | | | |
|----------------------------|-----------|----------|----------|----------|----------|----------|----------|----------|--|
| 10015 | Kr-74 | 34 | | | | | | | |
| Run number | | 6700 | 6699 | 6698 | 6697 | 6696 | 6695 | 6694 | |
| Be target | [mg/cm2] | 610 | 610 | 610 | 610 | 610 | 610 | 610 | |
| Brho1,2 Step | [%] | -1.50% | -1.00% | -0.50% | 0.00% | 0.63% | 1.14% | 1.65% | |
| Brho1,2 | [Tm] | 2.9246 | 2.9394 | 2.9543 | 2.9691 | 2.9879 | 3.0029 | 3.0180 | |
| Brho3,4 | [Tm] | 2.4553 | 2.4768 | 2.4981 | 2.5191 | 2.5456 | 2.5665 | 2.5875 | |
| FP_PIN dE | [MeV] | 1257 | 1236 | 1226 | 1214.2 | 1193 | 1180 | 1165 | |
| FP_PIN dE (LISE) | [MeV] | 1269 | 1252 | 1235 | 1219 | 1199 | 1184 | 1168 | |
| Counts FOIL | | 2937 | 4035 | 3474 | 1978 | 807 | 749 | 236 | |
| Counts FOIR | | 2855 | 4210 | 4000 | 1801 | 784 | 793 | 310 | |
| Counts FOIL (10mm gap) | | 1557 | 2108 | 1887 | 1091 | 432 | 446 | 133 | |
| Counts FOIR (10mm gap) | | 1511 | 2157 | 2136 | 1007 | 439 | 456 | 166 | |
| Total Counts (10mm gap) | | 6387 | 10574 | 16590 | 15093 | 16080 | 59856 | 87350 | |
| 1-D FOI Counts (10mm gap) | | 3057 | 4234 | 4033 | 2087 | 871 | 905 | 297 | |
| 1-D FOI Counts (50mm gap) | | 5796 | 7571 | 7464 | 3744 | 1586 | 1527 | 542 | |
| Beam Intensity 1 | [enA] | 0.092 | 0.091 | 0.088 | 0.029 | 0.034 | 0.04 | 0.041 | |
| Beam Intensity 2 | [enA] | 0.087 | 0.092 | 0.092 | 0.029 | 0.0325 | 0.037 | 0.042 | |
| Error Beam int. | [enA] | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | 0.001 | |
| Live Time | | 0.838 | 0.845 | 0.879 | 0.862 | 0.855 | 0.793 | 0.792 | |
| Time | [s] | 211 | 215 | 217 | 440 | 274 | 634 | 782 | |
| Rate FP 10 mm gap | [pps/pnA] | 6.56E+03 | 9.43E+03 | 8.00E+03 | 6.51E+03 | 3.81E+03 | 1.61E+03 | 3.96E+02 | |
| Err. Rate FP 10 mm gap | [pps/pnA] | 1.33E+02 | 1.70E+02 | 1.48E+02 | 2.63E+02 | 1.68E+02 | 6.69E+01 | 2.38E+01 | |
| FOI ratio 10mm-to-50mm gap | [%] | 52.7% | 55.9% | 54.0% | 55.7% | 54.9% | 59.3% | 54.8% | |
| Purity | [%] | 48.0% | 40.3% | 24.2% | 13.9% | 5.4% | 1.5% | 0.3% | |
| Rate at FP | [pps/pnA] | 1.24E+04 | 1.69E+04 | 1.48E+04 | 1.17E+04 | 6.94E+03 | 2.71E+03 | 7.22E+02 | |
| Err. Rate FP | [pps/pnA] | 2.15E+02 | 2.62E+02 | 2.37E+02 | 4.45E+02 | 2.72E+02 | 9.85E+01 | 3.55E+01 | |



A1900 "Print04Nov14 15h03.txt" Tuesday 15:03:59 2014-11-04 A1900
 Moe_252 *** run6698 Kr74 wedged to FP LIISE -0.5% ***
 Expt: 10015 "Proton radioactivity of Rb-73" [Rogers, A. M.] Line: S800 [8]
 Beam: 78 Kr 14+ 13.02 MeV/nuc (K500) 34+ 150 MeV/nuc (K1200) Chpr off
 <Att 10k> ECR, Apertures: ARTEMIS 150.0; 15.0; 12.5 mm RHVBI: 25.0000 kV
 K500 a,b: 638 A, 565 A K1200: 822 A, -82 A RF: 23.79720 MHz

A1900 Optics: L19S3I_Focus60x30HiRA.data

| | Rigidity | Field | Radius | (live) | Difference (Field*Radius) |
|--------|------------|-----------|-----------|-----------|---------------------------|
| Seg 0: | 4.20070 Tm | | | | |
| Seg 1: | 2.95430 Tm | 0.95765 T | 3.08494 m | 3.08494 m | 0.00026 % (2.95431 Tm) |
| Seg 2: | 2.95430 Tm | 0.95750 T | 3.08539 m | 3.08544 m | -0.00189 % (2.95424 Tm) |
| Seg 3: | 2.49810 Tm | 0.81246 T | 3.07496 m | 3.07472 m | 0.00785 % (2.49830 Tm) |
| Seg 4: | 2.49810 Tm | 0.80992 T | 3.08426 m | 3.08439 m | -0.00433 % (2.49799 Tm) |
| Seg 5: | 2.50000 Tm | | | | |
| Seg 6: | 2.50000 Tm | | | | |
| Seg 7: | 2.50000 Tm | | | | |
| Seg 8: | 2.50000 Tm | | | | |

| | | | | |
|--------|------------|-----------|-----------|------------|
| A116DS | 0.80160 T | 3.11991 m | 3.11876 m | 0.03679 % |
| A132DS | -0.77620 T | 3.22283 m | 3.22082 m | 0.06243 % |
| A165DS | 0.42800 T | 5.83959 m | 5.84112 m | -0.02622 % |
| I200DS | 0.78579 T | 3.17972 m | 3.18151 m | -0.05617 % |
| I205DS | 0.80398 T | 3.10725 m | 3.10953 m | -0.07317 % |
| I223DS | 0.78675 T | 3.17600 m | 3.17763 m | -0.05120 % |
| I228DS | 0.78595 T | 3.18012 m | 3.18086 m | -0.02323 % |
| I265DS | 0.89079 T | 2.80280 m | 2.80650 m | -0.13175 % |
| I269DS | 0.89115 T | 2.80280 m | 2.80536 m | -0.09139 % |

Trim Coils: I265T (read) 73.67 (73.62) A; I269T 73.91 (73.89) A

Slits: I181 XC,G,YC,G: 76.19, 84.40; -77.36, 84.53

Z001TL: out, Z013TL: out; Z014TL out

Z015TL: Be610a, Z016TL out

Z030BC Beam Stop: -85.00 mm

Z037L,R: -8.00, 8.00 mm or -0.27, 0.27 width= 0.54 %; Z037DC: out

Z057MS: 1%, Z061MS: 0.5%

Z059DC: out, Z062SC: out, Z059TL: Al 240

Z082 XC,G,YG: 0.16, 203.64, 202.05 mm Z082TL: out

Z103DC: PPACs, Z106DC: PIN 513 um, Z107DC_U/L: out/scintillator

Z104DC-R -0.022 mm; .IRPOS 0; .STR1 118 um BC400 #051

Z105TL: out, Slits: ; PPACs: ; Z107 outlim: Y

Z104 XC,G,YC,G: 0.04, 89.94; -2.04, 89.93 mm

Slits: I181 XC,G,YC,G: 76.19, 84.40; -77.36, 84.53

I187: out, I188: out, I189: out, I190: out

I213: out, i214: out, I215: out, I216: out

I214DC Det Drive: out; I255T: 6.84 B: 3.20 mm; Up/Dn Mask: out/out

Scattering Chamber I250X-R/I250Y-R/I251Y-R [mm]: 0.0/ 0.0/193.5

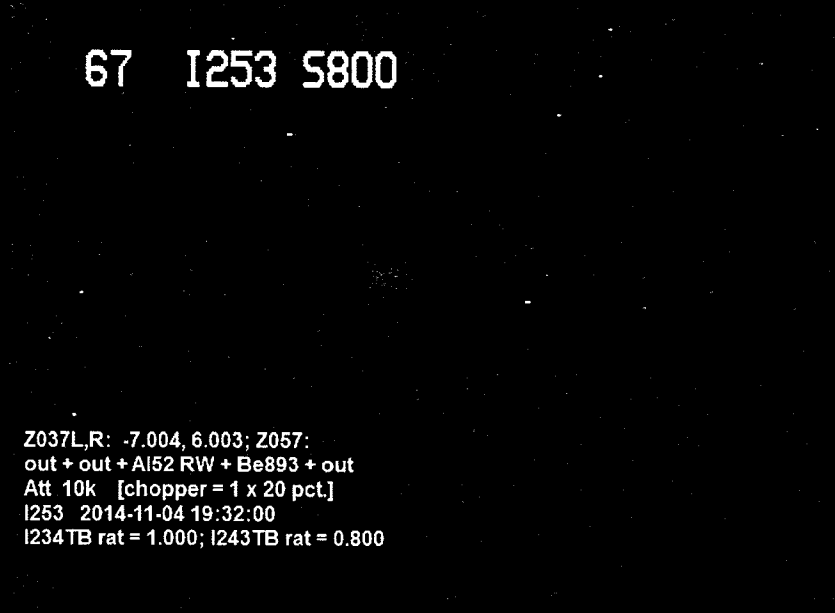
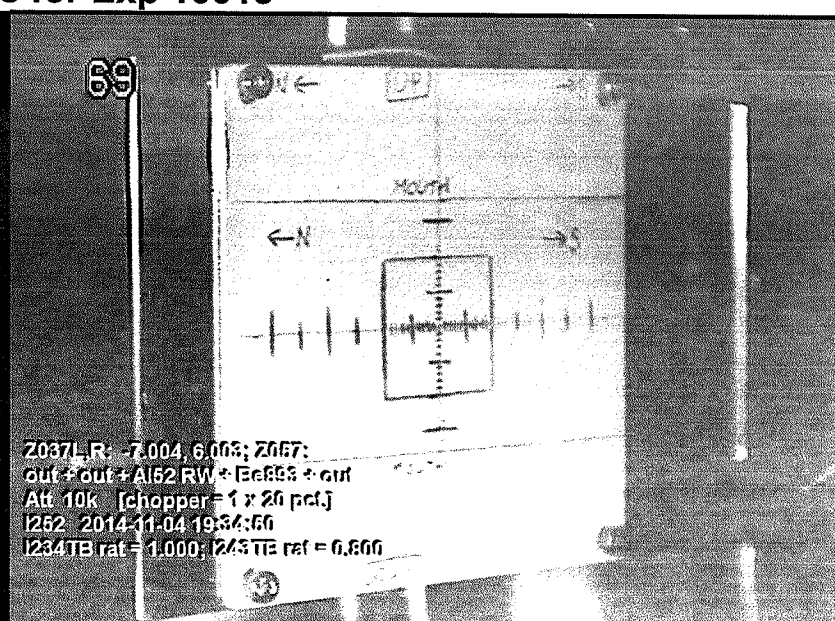
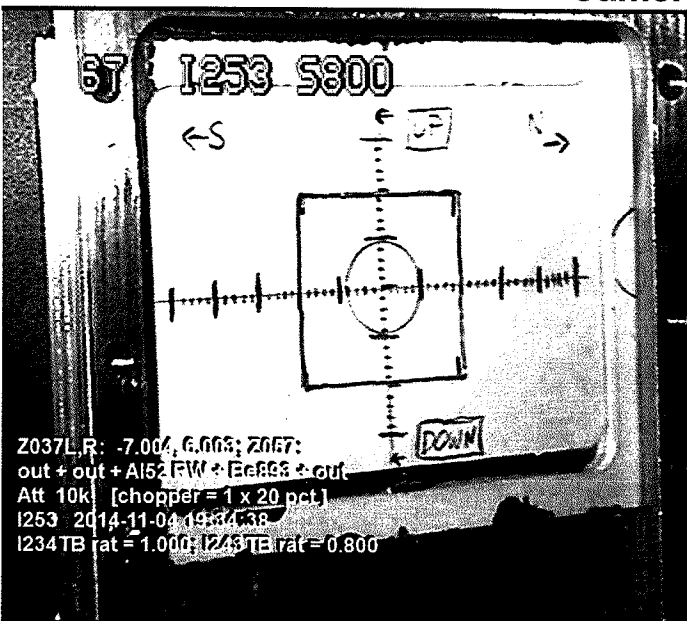
I259XM: -0.0013 XP: 0.0000 YM: 0.0000 YP: 1.7232

| MagName | Ref[kG] | BSet[kG] | Ratio | (live) | Set[A] | Read[A] | DEVI |
|-----------------------|---------|----------|-----------|-----------|-----------|----------|-------------|
| Z001DV | 0.000 | -0.677 | -16107.59 | -16107.59 | -293.6580 | -293.973 | Z001DV |
| Z002DH | 0.000 | -1.834 | -43650.94 | -43650.94 | -4.4699 | -4.515 | read Z002DH |
| Z003DV | 0.000 | 0.919 | 21877.57 | 21877.57 | 2.2266 | 2.260 | Z003DV |
| Z004QA | 1.685 | 7.079 | 1.000000 | 1.000000 | 4.9472 | 4.957 | Z004QA |
| Z005QB | -0.414 | -1.739 | 1.000000 | 1.000000 | -1.2134 | -1.196 | Z005QB |
| Z008DS | 2.492 | 10.316 | 0.985497 | 0.985497 | 34.8767 | 35.037 | Z008DS |
| Z011QA | -2.322 | -10.243 | 1.050000 | 1.050000 | -7.1724 | -7.104 | Z011QA |
| Z012QB | 3.409 | 18.331 | 1.280000 | 1.280000 | 14.1005 | 14.002 | Z012QB |
| ----- Segment 1 ----- | | | | | | | |
| Z017TA | 3.539 | 11.116 | 1.057000 | 1.057000 | 29.1529 | 29.238 | Z017TA |
| Z019TB | -3.322 | -9.953 | 1.010000 | 1.010000 | -26.1936 | -26.244 | Z019TB |
| Z021TC | 2.407 | 7.431 | 1.043000 | 1.043000 | 15.5768 | 15.688 | Z021TC |
| Z026DS | 3.226 | 9.498 | 0.996606 | 0.996606 | 58.4332 | 58.168 | Z026DS |
| Z031TA | 2.926 | 8.692 | 1.000000 | 1.000000 | 18.1951 | 18.313 | Z031TA |
| Z033TB | -3.613 | -10.728 | 1.000000 | 1.000000 | -31.0446 | -31.188 | Z033TB |
| Z035TC | 3.183 | 9.469 | 1.000000 | 1.000000 | 19.7986 | 19.839 | Z035TC |
| ----- Segment 2 ----- | | | | | | | |
| Z039TA | 3.183 | 9.469 | 1.000000 | 1.000000 | 19.7791 | 19.839 | Z039TA |
| Z041TB | -3.562 | -10.573 | 1.000000 | 1.000000 | -30.5884 | -30.699 | Z041TB |
| Z043TC | 2.924 | 8.685 | 1.000000 | 1.000000 | 18.1266 | 18.191 | Z043TC |
| Z048DS | -3.226 | -9.621 | 1.009592 | 1.009592 | -60.7362 | -60.878 | Z048DS |
| Z053TA | 2.800 | 8.278 | 1.000000 | 1.000000 | 17.3581 | 17.336 | Z053TA |
| Z055TB | -3.665 | -10.911 | 1.000000 | 1.000000 | -29.4403 | -29.417 | Z055TB |
| Z057TC | 3.264 | 9.917 | 1.000000 | 1.000000 | 97.1173 | 96.875 | Z057TC |
| ----- Segment 3 ----- | | | | | | | |
| Z062TA | 3.264 | 8.329 | 1.000000 | 1.000000 | 80.2798 | 80.120 | Z062TA |
| Z064TB | -3.665 | -9.203 | 1.000000 | 1.000000 | -24.8040 | -24.718 | Z064TB |

| | | | | | | | |
|-----------------------|---------|----------|----------|-----------|----------|---------|--------|
| Z066TC | 2.800 | 6.998 | 1.000000 | 1.000000 | 14.6551 | 14.651 | Z066TC |
| Z071DS | -3.226 | -8.019 | 0.995083 | 0.995083 | -49.6906 | -49.843 | Z071DS |
| Z076TA | 2.924 | 7.332 | 1.000000 | 1.000000 | 15.3996 | 15.444 | Z076TA |
| Z078TB | -3.562 | -8.926 | 1.000000 | 1.000000 | -25.8433 | -25.694 | Z078TB |
| Z080TC | 3.183 | 7.988 | 1.000000 | 1.000000 | 16.7238 | 16.726 | Z080TC |
| ----- Segment 4 ----- | | | | | | | |
| Z084TA | 3.097 | 7.919 | 1.019000 | 1.019000 | 16.6171 | 16.726 | Z084TA |
| Z086TB | -3.403 | -8.477 | 0.994000 | 0.994000 | -24.5581 | -24.474 | Z086TB |
| Z088TC | 2.767 | 7.065 | 1.018000 | 1.018000 | 14.7719 | 14.712 | Z088TC |
| Z093DS | 3.226 | 8.059 | 1.000053 | 1.000053 | 49.3582 | 49.306 | Z093DS |
| Z098TA | 2.501 | 6.154 | 0.978000 | 0.978000 | 12.8656 | 12.697 | Z098TA |
| Z100TB | -3.039 | -7.353 | 0.965000 | 0.965000 | -19.3423 | -19.285 | Z100TB |
| Z102TC | 1.454 | 3.274 | 0.903000 | 0.903000 | 8.6025 | 8.669 | Z102TC |
| ----- Segment 5 ----- | | | | | | | |
| A108TA | 2.685 | 6.712 | 1.000000 | 1.000000 | 4.6906 | 4.711 | A108TA |
| A110TB | -3.800 | -9.928 | 1.045000 | 1.045000 | -6.9492 | -6.923 | A110TB |
| A112TC | 2.931 | 7.305 | 0.997000 | 0.997000 | 5.1052 | 5.100 | A112TC |
| A116DS | 3.220 | 7.953 | 0.987954 | 0.987954 | 68.3717 | 68.504 | A116DS |
| A121QA | 3.283 | 8.207 | 1.000000 | 1.000000 | 5.7378 | 5.744 | A121QA |
| A123QB | -1.070 | -2.676 | 1.000000 | 1.000000 | -1.8676 | -1.859 | A123QB |
| A125QA | -2.328 | -5.820 | 1.000000 | 1.000000 | -4.0665 | -4.072 | A125QA |
| A127QB | 2.765 | 6.913 | 1.000000 | 1.000000 | 4.8307 | 4.842 | A127QB |
| A132DS | -3.125 | -7.739 | 0.990675 | 0.990675 | -66.5165 | -66.638 | A132DS |
| A136DV | 0.000 | 0.000 | 0.000-00 | 0.000-00 | 0.0000 | -0.001 | A136DV |
| A139QA | -2.229 | -5.572 | 1.000000 | 1.000000 | -3.8926 | -3.894 | A139QA |
| A141QB | 1.979 | 4.948 | 1.000000 | 1.000000 | 3.4554 | 3.460 | A141QB |
| A145DH | 0.000 | 0.000 | 0.000-00 | 0.000-00 | 0.0000 | -0.000 | A145DH |
| A157QA | -1.983 | -4.957 | 1.000000 | 1.000000 | -3.4621 | -3.462 | A157QA |
| A159QB | 2.106 | 5.264 | 1.000000 | 1.000000 | 3.6773 | 3.670 | A159QB |
| A165DS | 1.708 | 4.279 | 1.002079 | 1.002079 | 36.7463 | 36.534 | A165DS |
| I170DH | 0.000 | -0.001 | 0.000-00 | -29.60000 | 0.0000 | -0.067 | I170DH |
| I172QA | 1.483 | 3.707 | 1.000000 | 1.000000 | 2.5882 | 2.584 | I172QA |
| I174QB | -1.804 | -4.510 | 1.000000 | 1.000000 | -3.1489 | -3.125 | I174QB |
| I184QA | 2.574 | 6.434 | 1.000000 | 1.000000 | 4.4961 | 4.510 | I184QA |
| I186QB | -4.025 | -10.063 | 1.000000 | 1.000000 | -7.0452 | -7.041 | I186QB |
| ----- Segment 6 ----- | | | | | | | |
| I191TA | 5.080 | 12.766 | 1.000000 | 1.000000 | 15.7205 | 15.838 | I191TA |
| I193TB | -5.274 | -13.339 | 1.000000 | 1.000000 | -16.4774 | -16.280 | I193TB |
| I195TC | 2.553 | 6.349 | 1.000000 | 1.000000 | 7.7557 | 7.934 | I195TC |
| I197DH | 0.000 | 0.000 | 0.000-00 | 0.000-00 | 0.0000 | -0.001 | I197DH |
| I200DS | 3.243 | 7.809 | 0.963297 | 0.963297 | 36.8996 | 36.900 | I200DS |
| I205DS | 3.243 | 7.983 | 0.984795 | 0.984795 | 37.7256 | 37.796 | I205DS |
| I209TA | 0.661 | 1.548 | 1.000000 | 1.000000 | 1.8926 | 2.022 | I209TA |
| I210TB | -4.269 | -10.588 | 1.000000 | 1.000000 | -12.9659 | -12.923 | I210TB |
| I211TC | 5.437 | 13.756 | 1.000000 | 1.000000 | 17.0378 | 17.139 | I211TC |
| ----- Segment 7 ----- | | | | | | | |
| I216TA | 5.437 | 13.756 | 1.000000 | 1.000000 | 17.0378 | 17.067 | I216TA |
| I217TB | -4.269 | -10.588 | 1.000000 | 1.000000 | -12.9659 | -12.742 | I217TB |
| I218TC | 0.661 | 1.548 | 1.000000 | 1.000000 | 1.8926 | 1.891 | I218TC |
| I223DS | -3.243 | -7.823 | 0.965033 | 0.965033 | -36.9664 | -36.964 | I223DS |
| I228DS | -3.243 | -7.803 | 0.962625 | 0.962625 | -36.8738 | -36.730 | I228DS |
| I231DH | 0.000 | 0.000 | 0.000-00 | 0.000-00 | 0.0000 | -0.021 | I231DH |
| I232TA | -0.986 | -2.292 | 1.000000 | 1.000000 | -2.7996 | -2.709 | I232TA |
| I234TB | 2.856 | 6.987 | 1.000000 | 1.000000 | 8.5355 | 8.490 | I234TB |
| I236TC | -3.303 | -8.244 | 1.000000 | 1.000000 | -10.0692 | -10.080 | I236TC |
| I241TA | 2.237 | 5.601 | 1.000000 | 1.000000 | 6.8404 | 6.916 | I241TA |
| I243TB | -1.550 | -3.108 | 0.800000 | 0.800000 | -3.7946 | -3.630 | I243TB |
| I245TC | 0.861 | 2.161 | 1.000000 | 1.000000 | 2.6399 | 2.750 | I245TC |
| ----- Segment 8 ----- | | | | | | | |
| I256QA | -5.847 | -9.253 | 0.633000 | 0.633000 | -26.1458 | -26.105 | I256QA |
| I258QB | 3.603 | 6.368 | 0.707000 | 0.707000 | 25.5876 | 25.551 | I258QB |
| I265DS | 3.559 | 8.891 | 0.999200 | 0.999200 | 169.3580 | 169.677 | I265DS |
| I269DS | 3.559 | 8.918 | 1.002221 | 1.002221 | 169.9175 | 169.723 | I269DS |
| ----- | | | | | | | |
| MagName | Ref[kG] | BSet[kG] | Ratio | (live) | Set[A] | Read[A] | DEVI |
| Z021SX | 0.000 | 0.000 | 1.000000 | 1.000000 | 0.0005 | 0.063 | Z021SX |
| Z031SX | 0.400 | 1.182 | 1.000000 | 1.000000 | 19.1083 | 19.167 | Z031SX |
| Z033SX | -0.324 | -0.957 | 1.000000 | 1.000000 | -15.4776 | -15.440 | Z033SX |
| Z035SX | 0.000 | 0.000 | 1.000000 | 1.000000 | 0.0005 | 0.002 | Z035SX |
| Z039SX | 0.000 | 0.000 | 1.000000 | 1.000000 | 0.0005 | 0.063 | Z039SX |
| Z041SX | -0.324 | -0.957 | 1.000000 | 1.000000 | -15.4776 | -15.440 | Z041SX |
| Z043SX | 0.400 | 1.182 | 1.000000 | 1.000000 | 19.1083 | 19.106 | Z043SX |
| Z053SX | 0.013 | 0.038 | 1.000000 | 1.000000 | 0.6120 | 0.673 | Z053SX |
| Z066SX | 0.014 | 0.036 | 1.000000 | 1.000000 | 0.5822 | 0.673 | Z066SX |
| Z076SX | 0.440 | 1.099 | 1.000000 | 1.000000 | 17.7735 | 17.885 | Z076SX |

| | | | | | | | |
|--------|--------|--------|----------|----------|----------|---------|--------|
| Z078SX | -0.316 | -0.789 | 1.000000 | 1.000000 | -12.7648 | -12.816 | Z078SX |
| Z080SX | 0.000 | 0.000 | 1.000000 | 1.000000 | 0.0004 | 0.002 | Z080SX |
| Z084SX | 0.000 | 0.000 | 1.000000 | 1.000000 | 0.0004 | 0.063 | Z084SX |
| Z086SX | -0.316 | -0.789 | 1.000000 | 1.000000 | -12.7648 | -12.816 | Z086SX |
| Z088SX | 0.440 | 1.099 | 1.000000 | 1.000000 | 17.7735 | 17.763 | Z088SX |
| Z098SX | 0.000 | 0.000 | 1.000000 | 1.000000 | 0.0004 | 0.002 | Z098SX |
| I257SX | 0.000 | 0.000 | 1.000000 | 0.000-00 | 0.0000 | -0.010 | I257SX |
| | | | | | | | |
| Z021MC | 0.000 | 0.000 | 1.000000 | 1.000000 | 0.0004 | 0.025 | Z021MC |
| Z031MC | 0.000 | 0.000 | 1.000000 | 1.000000 | 0.0004 | 0.025 | Z031MC |
| Z033MC | -0.240 | -0.709 | 1.000000 | 1.000000 | -8.5767 | -8.496 | Z033MC |
| Z035MC | 0.000 | 0.000 | 1.000000 | 1.000000 | 0.0004 | 0.025 | Z035MC |
| Z039MC | 0.000 | 0.000 | 1.000000 | 1.000000 | 0.0004 | 0.013 | Z039MC |
| Z041MC | -0.240 | -0.709 | 1.000000 | 1.000000 | -8.5767 | -8.508 | Z041MC |
| Z043MC | 0.000 | 0.000 | 1.000000 | 1.000000 | 0.0004 | 0.013 | Z043MC |
| Z053MC | 0.000 | 0.000 | 1.000000 | 1.000000 | 0.0004 | -0.012 | Z053MC |
| Z066MC | 0.000 | 0.000 | 1.000000 | 1.000000 | 0.0003 | 0.025 | Z066MC |
| Z076MC | 0.000 | 0.000 | 1.000000 | 1.000000 | 0.0003 | 0.013 | Z076MC |
| Z078MC | -0.240 | -0.600 | 1.000000 | 1.000000 | -7.2523 | -7.214 | Z078MC |
| Z080MC | 0.000 | 0.000 | 1.000000 | 1.000000 | 0.0003 | 0.025 | Z080MC |
| Z084MC | 0.000 | 0.000 | 1.000000 | 1.000000 | 0.0003 | -0.024 | Z084MC |
| Z086MC | -0.240 | -0.600 | 1.000000 | 1.000000 | -7.2523 | -7.214 | Z086MC |
| Z088MC | 0.000 | 0.000 | 1.000000 | 1.000000 | 0.0003 | 0.013 | Z088MC |
| Z098MC | 0.000 | 0.000 | 1.000000 | 1.000000 | 0.0003 | 0.037 | Z098MC |

Camera Photos for Exp 10015



Camera Photos for Exp 10015

69

Z037L,R: -7.004, 6.003; Z057:
out + out + Al52 RW + Be893 + out
Att 10k [chopper = 1 x 20 pct]
I252 2014-11-04 19:32:31
I234TB rat = 0.950; I243TB rat = 0.800

69

Z037L,R: -7.004, 6.003; Z057:
out + out + Al52 RW + Be893 + out
Att 10k [chopper = 1 x 20 pct]
I252 2014-11-04 19:33:29
I234TB rat = 1.000; I243TB rat = 0.949

67 I253 5800

Z037L,R: -7.004, 6.003; Z057:
out + out + Al52 RW + Be893 + out
Att 10k [chopper = 1 x 20 pct]
I253 2014-11-04 19:32:51
I234TB rat = 0.950; I243TB rat = 0.800

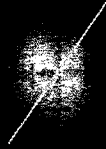
67 I253 5800

Z037L,R: -7.004, 6.003; Z057:
out + out + Al52 RW + Be893 + out
Att 10k [chopper = 1 x 20 pct]
I253 2014-11-04 19:33:40
I234TB rat = 1.000; I243TB rat = 0.949

Camera Photos for Exp 10015

Kr-74 fragments

69



Z037L,R: -16.004, 16.003; Z057:
out + out + out + Be610a + out
Att 1 [chopper = 0 x 10 pct]
I252 2014-11-04 22:23:00
I234TB rat = 1.000; I243TB rat = 0.800

67 I253 5800

Z037L,R: -16.004, 16.003; Z057:
out + out + out + Be610a + out
Att 1 [chopper = 0 x 10 pct]
I253 2014-11-04 22:23:10
I234TB rat = 1.000; I243TB rat = 0.800

69



Z037L,R: -16.004, 16.003; Z057:
out + out + out + Be610a + out
Att 1 [chopper = 0 x 10 pct]
I252 2014-11-04 22:32:49
I234TB rat = 0.950; I243TB rat = 0.800

67 I253 5800

Z037L,R: -16.004, 16.003; Z057:
out + out + out + Be610a + out
Att 1 [chopper = 0 x 10 pct]
I253 2014-11-04 22:32:53
I234TB rat = 0.950; I243TB rat = 0.800

Camera Photos for Exp 10015

69

67 I253 S800

Z037L,R: -16.004, 16.003; Z057:
out + out + out + Be610a + out
Att 1 [chopper = 0 x 10 pct.]
I252 2014-11-04 22:29:56
I234TB rat = 1.000; I243TB rat = 0.949

Z037L,R: -16.004, 16.003; Z057:
out + out + out + Be610a + out
Att 1 [chopper = 0 x 10 pct.]
I253 2014-11-04 22:30:00
I234TB rat = 1.000; I243TB rat = 0.949