

Log Book III  
86 Kr Fragmentation  
206-276

02 Disk

Run number:	206	Tape: #	Name: HPS
Description:	Calibration run, Be, Brho = 2.0974		
Date:	6/7/2004	Time:	20:05:30
Brho1:	2.0974	Brho2:	2.0974
NMR1:	582.572	NMR2:	582.614
Target:	Be(92)	Ta(166)	Be(115) Be(181)
F1 slit:	± 3.0 mm	F1PPAC:	IN OUT
Wedge:	none	100mg/Al	60mg/Al
F2 slit:	open		
F2PPAC:	IN OUT	F3PPACs:	IN OUT
F2 Scint:	IN OUT	F3 Scint:	IN OUT
Rips control	yes/no	prisca	SCA file
Trigger:	F1 PPAC/F1Plastic/F2 Plastic		

adjust D1, D2 both.

Bias voltage table (please compare to previous values)			
U dE=		I dE=	
U E1=		I E1=	
U E2=		I E2=	
U E3=		I E3=	
U E4=		I E4=	
F1_PPAC=		NaI(Tl) 1=	
F2_PPAC=		NaI(Tl) 2=	
F3_PPACA=		NaI(Tl) 3=	
F3_PPACB=		BaF=	

Run 205 is a junk run.

Att. -  $\frac{1}{100}, \frac{1}{10}, \frac{1}{2}, \frac{1}{3}$  (RRC)  
 $\frac{1}{100}, \frac{1}{3}$  (LINAC)

RIPS Control Summary				2004/06/07 20:19:38			
Parameter	Set Curr.	Read Curr.	Target	F2			
Q1	1.3167	136.6141	136.499	Tgt 128.4	mm	FC Out	
Q2	1.5337	109.0360	107.503	FC Out		Rgt 50.1 mm	
Q3	0.7725	103.5041	103.681	Up 24.0	mm	Lft 50.0 mm	
SX1	0.0000	0.1469	0.000	Dwn 24.0	mm	PPAC	
D1	0.2777	324.0248	326.412	Rgt 24.0	mm	SSD -94.7 mm	
SX2	0.0000	0.1469	0.000	Lft 23.8	mm	Deg Out -4.9 deg.	
Q4	0.5572	56.3079	56.220	Lgt		Pla IN	
Q5	0.7942	70.5115	70.681	F1			
Q6	0.6197	62.8027	63.030	D1 119.9	mm	PPAC1 IN	
SX3	0.0000	0.1469	0.000	ld -134.9	mm	Rgt 49.9 mm	
D2	0.2777	336.7841	335.810	Rgt 3.0	mm	Lft 50.0 mm	
SX4	0.0000	0.1469	0.000	Lft 2.9	mm	PPAC2 IN	
Q7	0.6468	86.6411	87.255	Mom Out		SSD Out	
Q8	1.1259	90.4144	90.724	Deg Emp		Pla IN	
Q9	1.0222	105.8330	105.930	PPAC Out		Lgt	
Q10	1.1110	121.5689	123.247	Rot 0	deg.		
Q11	1.4205	133.4212	131.661	F3			
Q12	1.1106	121.5250	122.357				
Focus	Brho	TA-F1 2.0974	Tm				
F1-F2 2.0974	Tm	F2-F3 2.0974	Tm				

D1 = 582.572 (mT)  
 D2 = 582.612 (mT)

6*1 07, 04 20:15		prisca
Run206		
Start	-- Mon Jun 7 20:05:30 2004	
Stop	-- Mon Jun 7 20:15:13 2004	
Scaler Name :	Total	
UNGATED :	266471	
GATED :	221196	
NONE :	3626	
F1PP T :	9	
F2 SI :	0	
CLEAR S :	221187	
F2PP T :	284521	
F3PPA T :	266766	
E1 :	260334	
PL 2 :	267772	
PL 3 :	270788	
CLOCK :	582447	
TGT NAI :	16855	
TGT_BAF :	73	
MOMOTA :	367	
OKUNO :	9	
FC :	103	
MOMOTA1 :	329296	
MOMOTA2 :	50602603	
MOMOTA3 :	43981674	
OKUNO1 :	329	
OKUNO2 :	64	
OKUNO3 :	83	
F3PPB T :	266755	
LIVE_TGT_NAI :	13771	
LIVE_TGT_BAF :	60	
LIVE_MOMOTA :	302	
LIVE_OKUNO :	8	
LIVE_FC :	76	
LIVE_MOMOTA1 :	277349	
LIVE_MOMOTA2 :	42686737	
LIVE_MOMOTA3 :	37106859	
LIVE_OKUNO1 :	264	
LIVE_OKUNO2 :	50	
LIVE_OKUNO3 :	71	
LIVE_CLOCK :	491857	

Run number:	207	Tape: on disk	Name: HPS
Description:	PID calibration Brho = 2.0974 with Ta tse		
Date:	6/7/2004	Time:	20:22:15
Brho1:	2.0974	Brho2:	2.0974
NMR1:	582.573	NMR2:	582.611
Target:	Be(92)	Ta(166)	Be(115) Be(181)
F1 slit:	$\pm 3.0$ mm	F1PPAC:	IN <u>OUT</u>
Wedge:	<u>none</u>	100mg/Al	60mg/Al
F2 slit:	<u>open</u>		
F2PPAC:	<u>IN</u> OUT	F3PPACs:	<u>IN</u> OUT
F2 Scint:	<u>IN</u> OUT	F3 Scint:	<u>IN</u> OUT
Rips control	<u>yes/no</u>	prisca	SCA file
Trigger:	F1 PPAC/F1Plastic/F2 Plastic		

Bias voltage table (please compare to previous values)			
U_dE=		I_dE=	
U_E1=		I_E1=	
U_E2=		I_E2=	
U_E3=		I_E3=	
U_E4=		I_E4=	
F1_PPAC=		NaI(Tl)_1=	
F2_PPAC=		NaI(Tl)_2=	
F3_PPACA=		NaI(Tl)_3=	
F3_PPACB=		BaF=	

(Run 207) Att. LINAC  $\frac{1}{100}, \frac{1}{10}, \frac{1}{2}$   
RRC  $\left(\frac{1}{2}\right)$

RIPS Control Summary				2004/06/07 20:39:10			
Parameter	Set Curr.	Read Curr.	Target	F2			
Q1	1.3167	136.6141	136.611	Tgt 95.9	mm	FC	Out
Q2	1.5337	109.0360	107.384	FC	Out	Rgt	50.1 mm
Q3	0.7725	103.5041	103.595	Up 24.0	mm	Lft	50.0 mm
SX1	0.0000	0.1469	0.000	Dwn 24.0	mm	PPAC	
D1	0.2777	324.0248	326.147	Rgt 24.0	mm	SSD	-94.8 mm
SX2	0.0000	0.1469	0.000	Lft 23.8	mm	Deg	Out
Q4	0.5572	56.3079	56.220	Lgt		Pla	-4.9 deg.
Q5	0.7942	70.5115	70.620				
Q6	0.6197	62.8027	63.085				
SX3	0.0000	0.1469	0.021				
D2	0.2777	336.7841	335.810	F1		F3	
SX4	0.0000	0.1469	0.079	D1 119.8	mm	PPAC1	IN
Q7	0.6468	86.6411	87.092	ld -134.9	mm	Rgt	49.9 mm
Q8	1.1259	90.4144	90.803	Rgt 3.0	mm	Lft	50.0 mm
Q9	1.0222	105.8330	106.024	Lft 2.9	mm	PPAC2	IN
Q10	1.1110	121.5689	122.802	Mom	Out	SSD	Out
Q11	1.4205	133.4212	131.525	Deg	Emp	Pla	IN
Q12	1.1106	121.5250	122.357	PPAC	Out	Lgt	
Focus		Brho	TA-F1 2.0974	Tm			
F1-F2	2.0974	Tm	F2-F3 2.0974	Tm			
				Rot 0	deg.		
				Update		exit	

6:07:04 20:28 prisca

Run207

Start -- Mon Jun 7 20:22:15 2004  
 Stop -- Mon Jun 7 20:28:01 2004

Scaler Name :	Total
UNGATED :	331875
GATED :	237435
NONE :	3892
F1PP T :	16
F2 SI :	0
CLEARs :	237413
F2PP T :	334918
F3PPA T :	323302
E1 :	316838
PL_2 :	328195
PL_3 :	327308
CLOCK :	345873
TGT NAI :	6
TGT_BAF :	914
MOMOTA :	18468
OKUNO :	1734
FC :	58
MOMOTA1 :	228992
MOMOTA2 :	30315216
MOMOTA3 :	26335378
OKUNO1 :	29307
OKUNO2 :	7184
OKUNO3 :	3593
F3PPB T :	319204
LIVE_TGT_NAI :	3
LIVE_TGT_BAF :	603
LIVE_MOMOTA :	13218
LIVE_OKUNO :	1251
LIVE_FC :	44
LIVE_MOMOTA1 :	164354
LIVE_MOMOTA2 :	21765263
LIVE_MOMOTA3 :	18910769
LIVE_OKUNO1 :	20929
LIVE_OKUNO2 :	5137
LIVE_OKUNO3 :	2591
LIVE_CLOCK :	248580

Run number:	208	Tape:	Name:
Description:	Junk		
Date:		Time:	
Brho1:	2.9	Brho2:	2.9
NMR1:		NMR2:	
Target:	Be(92)	Ta(166)	Be(115) Be(181)
F1 slit:	23 mm	F1PPAC:	IN OUT
Wedge:	none	100mg/Al	60mg/Al
F2 slit:	open		
F2PPAC:	IN OUT	F3PPACs:	IN OUT
F2 Scint:	IN OUT	F3 Scint:	IN OUT
Rips control	yes/no	prisca	SCA file
Trigger:	F1 PPAC/F1Plastic/F2 Plastic		

Bias voltage table (please compare to previous values)			
U_dE=		I_dE=	
U_E1=		I_E1=	
U_E2=		I_E2=	
U_E3=		I_E3=	
U_E4=		I_E4=	
F1_PPAC=		NaI(Tl)_1=	
F2_PPAC=		NaI(Tl)_2=	
F3_PPACA=		NaI(Tl)_3=	
F3_PPACB=		BaF=	

6\*1 07, 04 20:45 prisca

Run208

Start -- Mon Jun 7 20:42:37 2004  
Stop -- Mon Jun 7 20:45:14 2004

Scaler Name : Total

UNGATED :	126616
GATED :	71138
NONE :	1166
F1PP T :	172
F2 SI :	0
CLEARs :	71127
F2PP_T :	39718
F3PPA_T :	67387
E1 :	68173
PL_2 :	98623
PL_3 :	115584
CLOCK :	111445
TGT_NAI :	476
TGT_BAF :	56518
MOMOTA :	544523
OKUNO :	12583
FC :	6
MOMOTA1 :	977226
MOMOTA2 :	18703588
MOMOTA3 :	18204658
OKUNO1 :	428424
OKUNO2 :	93242
OKUNO3 :	65237
F3PPB_T :	50084
LIVE_TGT_NAI :	367
LIVE_TGT_BAF :	31663
LIVE_MOMOTA :	305728
LIVE_OKUNO :	7081
LIVE_FC :	6
LIVE_MOMOTA1 :	551829
LIVE_MOMOTA2 :	10960967
LIVE_MOMOTA3 :	10587620
LIVE_OKUNO1 :	240067
LIVE_OKUNO2 :	52475
LIVE_OKUNO3 :	36241
LIVE_CLOCK :	67594

Att. 56

Run number:	209	Tape:	Name: 417
Description:			
Date:	6/7	Time:	20:50
Brho1:	2.9	Brho2:	2.9
NMR1:	805.495	NMR2:	<del>805.495</del> 805.995
Target:	Be(92)	Ta(166)	Be(115) Be(181)
F1 slit:	3 mm	F1PPAC:	IN OUT
Wedge:	none	100mg/Al	60mg/Al
F2 slit:	open		
F2PPAC:	IN OUT	F3PPACs:	IN OUT
F2 Scint:	IN OUT	F3 Scint:	IN OUT
Rips control	yes/no	prisca	SCA file
Trigger:	F1 PPAC/F1Plastic/F2 Plastic		

Bias voltage table (please compare to previous values)			
U_dE=		I_dE=	
U_E1=		I_E1=	
U_E2=		I_E2=	
U_E3=		I_E3=	
U_E4=		I_E4=	
F1_PPAC=		NaI(Tl)_1=	
F2_PPAC=		NaI(Tl)_2=	
F3_PPACA=		NaI(Tl)_3=	
F3_PPACB=		BaF=	

D62 1.8 eV A.  
~60 pA.

mainly see 31<sup>+</sup> charge state



# RIPS Control Summary

2004/06/07 20:59:47

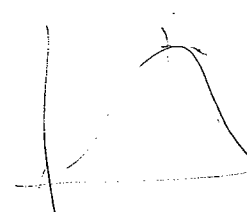
Parameter	Set Curr.	Read Curr.	Target	F2
Q1	1.3167	189.2772	189.205	FC Out
Q2	1.5337	150.8332	148.439	Rgt 50.1 mm
Q3	0.7725	143.1610	143.265	Lft 50.0 mm
SX1	0.0000	0.1469	0.000	PPAC
D1	0.2777	449.1192	452.850	SSD -94.8 mm
SX2	0.0000	0.1469	0.000	Deg Out
Q4	0.5572	78.4651	78.468	Pla IN
Q5	0.7942	98.0884	98.286	
Q6	0.6197	87.4453	87.557	
SX3	0.0000	0.1469	0.000	
D2	0.2777	466.8392	466.432	F1
SX4	0.0000	0.1469	0.079	D1 119.8 mm
Q7	0.6468	119.8450	121.327	Id -134.9 mm
Q8	1.1259	124.9289	125.447	Rgt 3.0 mm
Q9	1.0222	146.7172	146.911	Lft 2.9 mm
Q10	1.1110	168.1381	170.632	Mon Out
Q11	1.4205	184.3672	182.070	Deg Emp
Q12	1.1106	168.0772	169.631	PPAC Out
Focus	Brho	TA-F1 2.9000	Tm	Rot 0 deg.
F1-F2 2.9000	Tm	F2-F3 2.9000	Tm	

6:07:04 20:58		prisca
Run209		
Start -- Mon Jun 7 20:47:44 2004		
Stop -- Mon Jun 7 20:58:27 2004		
Scaler Name :	Total	
UNGATED :	757432	
GATED :	508577	
NONE :	8336	
F1PP T :	1001	
F2 SI :	0	
CLEARs :	508497	
F2PP T :	239869	
F3PPA T :	402773	
E1 :	397551	
PL 2 :	589140	
PL 3 :	688592	
CLOCK :	642060	
TGT NAI :	6	
TGT BAF :	337608	
MOMOTA :	3305267	
OKUNO :	74990	
FC :	0	
MOMOTA1 :	5887889	
MOMOTA2 :	111125896	
MOMOTA3 :	106675521	
OKUNO1 :	2537652	
OKUNO2 :	554705	
OKUNO3 :	389233	
F3PPB T :	300780	
LIVE TGT NAI :	4	
LIVE TGT BAF :	226309	
LIVE MOMOTA :	2213143	
LIVE OKUNO :	50107	
LIVE FC :	0	
LIVE_MOMOTA1 :	3948167	
LIVE_MOMOTA2 :	74914194	
LIVE_MOMOTA3 :	71747657	
LIVE_OKUNO1 :	1703766	
LIVE_OKUNO2 :	372374	
LIVE_OKUNO3 :	257927	
LIVE_CLOCK :	433202	

Run number:	210	Tape: #21	Name: 111
Description:			
Date:	6/7/2004	Time:	9:07 PM
Brho1:	2.85	Brho2:	2.85
NMR1:		NMR2:	
Target:	Be(92)	Ta(166)	Be(115) Be(181)
F1 slit:	± 3 mm	F1PPAC:	IN OUT
Wedge:	none	100mg/Al	60mg/Al
F2 slit:	open		
F2PPAC:	IN OUT	F3PPACs:	IN OUT
F2 Scint:	IN OUT	F3 Scint:	IN OUT
Rips control	yes/no	prisca	SCA file
Trigger:	F1 PPAC/F1Plastic/F2 Plastic		

Bias voltage table (please compare to previous values)			
U dE=	96.0	I dE=	0.45 A
U E1=	100.0	I E1=	2.08 A
U E2=	96.6	I E2=	0.82 A
U E3=	95.4	I E3=	0.15 A
U E4=	95.1	I E4=	0.21 A
F1_PPAC=		NaI(Tl)_1=	
F2_PPAC=		NaI(Tl)_2=	
F3_PPACA=		NaI(Tl)_3=	
F3_PPACB=		BaF=	

Just 0



Att  $\frac{1}{20}$

Run number:	211	Tape: #21	Name: ERI
Description:			
Date:	5/7	Time:	0:00
Brho1:	2.85	Brho2:	2.85
NMR1:	792.1723	NMR2:	792.227
Target:	Be(92)	Ta(166)	Be(115) Be(181)
F1 slit:	$\pm 3$ mm	F1PPAC:	IN OUT
Wedge:	none	100mg/Al	60mg/Al
F2 slit:	open		
F2PPAC:	IN OUT	F3PPACs:	IN OUT
F2 Scint:	IN OUT	F3 Scint:	IN OUT
Rips control	yes/no	prisca	SCA file
Trigger:	F1 PPAC/F1Plastic/F2 Plastic		

Bias voltage table (please compare to previous values)			
U dE-		I dE-	
U E1-		I E1-	
U E2-		I E2-	
U E3-		I E3-	
U E4-		I E4-	
F1_PPAC=		NaI(Tl)_1=	
F2_PPAC=		NaI(Tl)_2=	
F3_PPACA=		NaI(Tl)_3=	
F3_PPACB=		BaF=	

We mainly see light particles  
no heavy fragments

now Att.  $\frac{1}{20}$  (real Att.  $\sim \frac{1}{13}$ ) ( $\frac{1}{10}$  LINAC,  $\frac{1}{2}$  RRC)

D61 [ 200 nA ( $\sim 6.7$  pA)  
~~114A~~  $\times 13$ ; ( $\sim 87$  pA) ]

RIPS Control Summary				2004/06/08 00:13:04			
Parameter	Set Curr.	Read Curr.	Target	F2			
Q1	1.3167	185.9964	186.085	Tgt 194.6	mm	FC Out	
Q2	1.5337	148.2295	146.422	FC Out		Rgt 50.1	mm
Q3	0.7725	140.6904	141.100	Up 24.0	mm	Lft 50.0	mm
SX1	0.0000	0.1469	0.000	Dwn 24.0	mm	PPAC	
D1	0.2777	441.3647	444.915	Rgt 24.0	mm	SSD -94.8	mm
SX2	0.0000	0.1469	0.000	Lft 23.8	mm	Deg Out	
Q4	0.5572	77.0848	77.105	Lgt		Pla IN	deg.
Q5	0.7942	96.3704	96.553				
Q6	0.6197	85.9101	86.143				
SX3	0.0000	0.1469	0.000				
D2	0.2777	458.7877	457.442				
SX4	0.0000	0.1469	0.000				
Q7	0.6468	117.7765	118.888				
Q8	1.1259	122.7787	123.153				
Q9	1.0222	144.1702	144.373				
Q10	1.1110	165.2369	167.629				
Q11	1.4205	181.1936	178.945				
Q12	1.1106	165.1773	166.739				
Focus	Brho	TA-F1 2.8500	Tm				
F1-F2 2	8500	Tm	F2-F3 2.8500	Tm			

Update exit

6:08:04 0:04		prisca
Run211		
Start	-- Mon Jun 7 23:56:03 2004	
Stop	-- Tue Jun 8 00:04:28 2004	
Scaler Name :	Total	
UNGATED :	701352	
GATED :	446121	
NONE :	7312	
F1PP_T :	1530	
F2 SI :	0	
CLEARs :	446033	
F2PP_T :	53274	
F3PPA_T :	314089	
E1 :	357323	
PL_2 :	545444	
PL_3 :	681423	
CLOCK :	504736	
TGT_NAI :	439	
TGT_BAF :	407432	
MOMOTA :	4189609	
OKUNO :	89316	
FC :	0	
MOMOTA1 :	6991884	
MOMOTA2 :	113414054	
MOMOTA3 :	107758798	
OKUNO1 :	3030249	
OKUNO2 :	660145	
OKUNO3 :	453737	
F3PPB_T :	152638	
LIVE_TGT_NAI :	271	
LIVE_TGT_BAF :	259145	
LIVE_MOMOTA :	2662269	
LIVE_OKUNO :	56693	
LIVE_FC :	0	
LIVE_MOMOTA1 :	4447095	
LIVE_MOMOTA2 :	72402656	
LIVE_MOMOTA3 :	68590170	
LIVE_OKUNO1 :	1927833	
LIVE_OKUNO2 :	419592	
LIVE_OKUNO3 :	285363	
LIVE_CLOCK :	321973	

Run number:	212	Tape:	01	Name:	AA
Description:					
Date:	6/8/04	Time:	12:05:47		
Brho1:	2.77	Brho2:	2.77		
NMR1:	769.718	NMR2:	770.205		
Target:	Be(92)	Ta(166)	Be(115) Be(181)		
F1 slit:	$\pm 3$ mm	F1PPAC:	IN OUT		
Wedge:	none	100mg/Al	60mg/Al		
F2 slit:	open				
F2PPAC:	IN OUT	F3PPACs:	IN OUT		
F2 Scint:	IN OUT	F3 Scint:	IN OUT		
Rips control	yes/no	prisca	SCA file:		
Trigger:	F1 PPAC/F1Plastic/F2 Plastic				

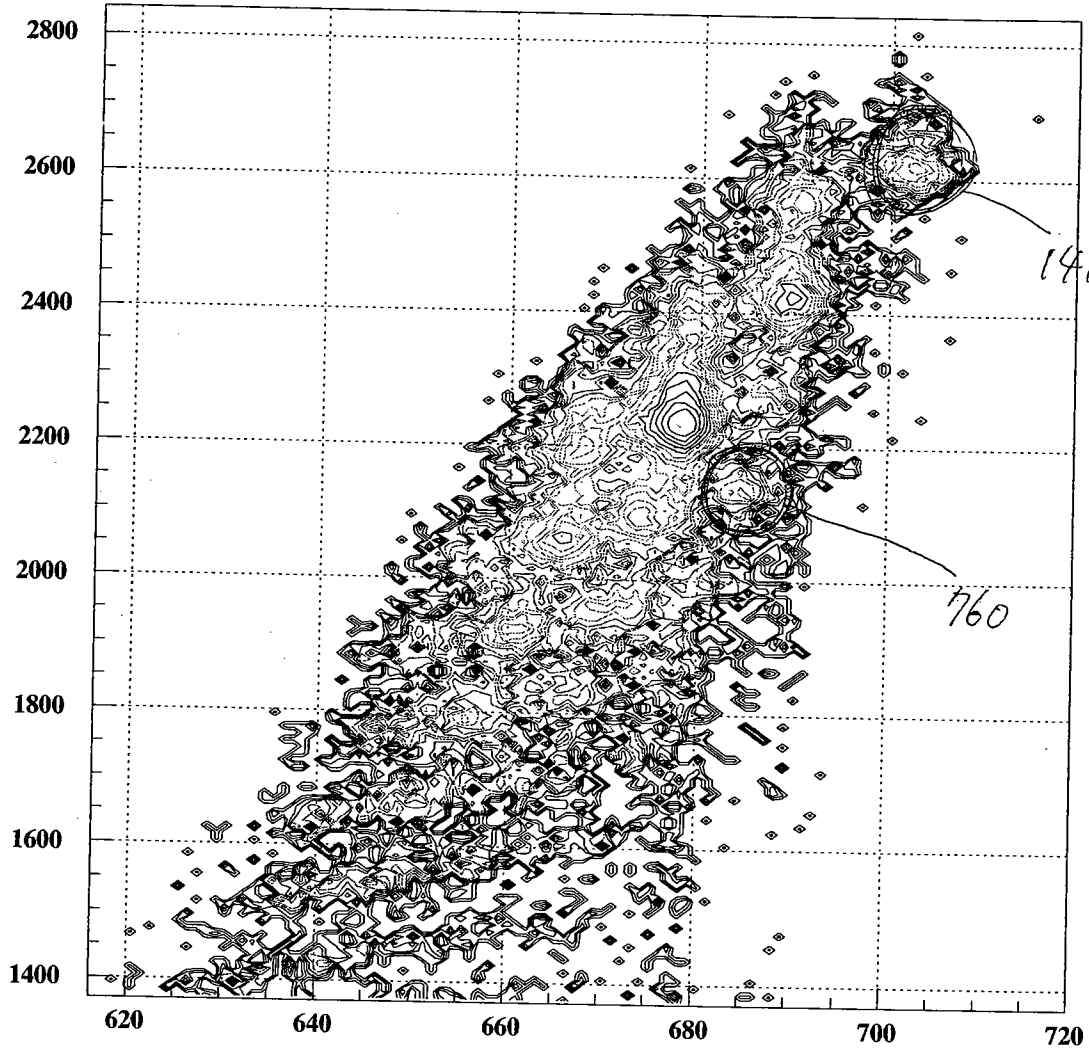
Bias voltage table (please compare to previous values)			
U dE=	96.0	I dE=	0.47
U E1=	100.0	I E1=	2.52
U E2=	96.6	I E2=	0.89
U E3=	95.4	I E3=	0.17
U E4=	95.4	I E4=	0.23
F1_PPAC=	-749	NaI(Tl)_1=	100
F2_PPAC=	-750	NaI(Tl)_2=	100
F3_PPACA=	-755	NaI(Tl)_3=	100
F3_PPACB=	-755	BaF=	1352.0

Att.  $\frac{1}{3} \times 2, \frac{1}{2} \rightarrow \frac{1}{2}$

RIPS Control Summary				2004/06/08 00:19:34	
Parameter	Set Curr.	Read Curr.	Target	F2	
Q1	1.3167	180.7472	180.513	Tgt 194.6	FC Out
Q2	1.5337	144.0633	142.506	mm	Rgt 50.1 mm
Q3	0.7725	136.7376	136.596	FC Out	Lft 50.0 mm
SX1	0.0000	0.1469	0.000	Up 24.0 mm	PPAC
D1	0.2777	428.9576	432.482	Dwn 24.0 mm	SSD -94.8 mm
SX2	0.0000	0.1469	0.000	Rgt 24.0 mm	Out
Q4	0.5572	74.8763	74.815	Lft 23.8 mm	Deg -4.9 deg.
Q5	0.7942	93.6216	93.767	Lgt	Pla IN
Q6	0.6197	83.4538	83.642		
SX3	0.0000	0.1469	0.000		
D2	0.2777	445.9052	445.543	F1	F3
Sx4	0.0000	0.1469	0.000	D1 119.8 mm	PPAC1 IN
Q7	0.6468	114.4668	115.473	ld -134.9 mm	Rgt 49.9 mm
Q8	1.1259	119.3385	119.831	Rgt 3.0 mm	Lft 50.0 mm
Q9	1.0222	140.0950	140.425	Lft 2.9 mm	PPAC2 IN
Q10	1.1110	160.5951	162.846	Mom Out	SSD Out
Q11	1.4205	176.1155	173.918	Deg Emp	Pla IN
Q12	1.1106	160.5371	161.845	PPAC Out	Lgt
Focus	Brho	TA-F1 2.7700	Tm	Rot 0	deg.
F1-F2 2.7700	Tm	F2-F3 2.7700	Tm	Update exit	

6/08, 04:04:7		prisca
Run212		
Start -- Tue Jun 8 00:15:50 2004		
Stop -- Tue Jun 8 00:47:36 2004		
Scaler Name :	Total	
UNGATED :	2885335	
GATED :	1768214	
NONE :	28980	
FLPP_T :	13632	
F2_SI :	0	
CLEAR_S :	1767781	
F2PP_T :	513304	
F3PPA_T :	1696129	
E1 :	1766355	
PL_2 :	2175988	
PL_3 :	2950956	
CLOCK :	1902448	
TGT_NAI :	14	
TGT_BAF :	1206231	
MOMOTA :	11973667	
OKUNO :	262026	
FC :	0	
MOMOTA1 :	20208651	
MOMOTA2 :	366551387	
MOMOTA3 :	343041570	
OKUNO1 :	8809776	
OKUNO2 :	1922749	
OKUNO3 :	1317329	
F3PPB_T :	971380	
LIVE_TGT_NAI :	12	
LIVE_TGT_BAF :	743027	
LIVE_MOMOTA :	7373563	
LIVE_OKUNO :	160968	
LIVE_FC :	0	
LIVE_MOMOTA1 :	12455920	
LIVE_MOMOTA2 :	226721524	
LIVE_MOMOTA3 :	211661620	
LIVE_OKUNO1 :	5425442	
LIVE_OKUNO2 :	1184842	
LIVE_OKUNO3 :	798968	
LIVE_CLOCK :	1176611	

Run 211



XYBlow.(dE\_low(ch) vs F3Right ηχ) Histogram ID = 172

Run number:	213	Tape: 2/	Name: 41
Description:			
Date:	6/8/04	Time:	0:59 am
Brho1:	2.7700	Brho2:	2.7700
NMR1:	769.720	NMR2:	770.255
Target:	Be(92)	Ta(166)	Be(115) Be(181)
F1 slit:	± 3 mm	F1PPAC:	IN OUT
Wedge:	none	100mg/Al	60mg/Al
F2 slit:	open		
F2PPAC:	IN OUT	F3PPACs:	IN OUT
F2 Scint:	IN OUT	F3 Scint:	IN OUT
Rips control	yes/no	prisca	SCA file:
Trigger:	F1 PPAC/F1Plastic/F2 Plastic		

Bias voltage table (please compare to previous values)			
U dE-	96.0	I dE-	0.54
U E1-	100.0	I E1-	2.66
U E2-	97.0	I E2-	0.99
U E3-	95.5	I E3-	0.24
U E4-	95.6	I E4-	0.30
F1_PPAC=	-749	NaI(Tl)_1=	100
F2_PPAC=	-750	NaI(Tl)_2=	100
F3_PPACA=	-755	NaI(Tl)_3=	100
F3_PPACB=	-755	BaF=	1352.0



# RIPS Control Summary

2004/06/08 01:11:06

Parameter	Set Curr.	Read Curr.	Target	F2
Q1	1.3167	180.7472	180.513	FC Out
Q2	1.5337	144.0633	142.388	Rgt 50.1 mm
Q3	0.7725	136.7376	137.202	Up 24.0 mm
SX1	0.0000	0.1469	0.000	Lft 50.0 mm
D1	0.2777	428.9576	432.218	Dwn 24.0 mm
SX2	0.0000	0.1469	0.000	PPAC
Q4	0.5572	74.8763	74.760	Rgt 24.0 mm
Q5	0.7942	93.6216	93.829	SSD -94.8 mm
Q6	0.6197	83.4538	83.642	Lft 23.8 mm
SX3	0.0000	0.1469	0.000	Deg Out -4.9 deg.
D2	0.2777	445.9052	445.543	Pla IN
Sx4	0.0000	0.1469	0.000	
Q7	0.6468	114.4668	115.635	F1
Q8	1.1259	119.3385	119.673	D1 119.8 mm
Q9	1.0222	140.0950	140.613	ld -134.9 mm
Q10	1.1110	160.5951	162.735	Rgt 3.0 mm
Q11	1.4205	176.1155	174.190	Lft 2.9 mm
Q12	1.1106	160.5371	161.845	Mom Out
				Deg Emp
Focus	Brho	TA-F1 2.7700	Tm	PPAC Out
F1-F2 2.7700	Tm	F2-F3 2.7700	Tm	Rot 0 deg.

Update exit

6:08, 04 1:05		prisca
Run213		
Start	-- Tue Jun 8 00:59:12 2004	
Stop	-- Tue Jun 8 01:05:08 2004	
Scaler Name :	Total	
UNGATED :	6026073	
GATED :	747227	
NONE :	12172	
F1PP T :	34793	
F2 SI :	0	
CLEARs :	742493	
F2PP T :	1109738	
F3PPA T :	3682321	
E1 :	3663328	
PL 2 :	4809811	
PL 3 :	6674460	
CLOCK :	355807	
TGT NAI :	5	
TGT BAF :	6465863	
MOMOTA :	26203487	
OKUNO :	582595	
FC :	0	
MOMOTA1 :	41226154	
MOMOTA2 :	458950366	
MOMOTA3 :	432277746	
OKUNO1 :	20287018	
OKUNO2 :	4285163	
OKUNO3 :	2984305	
F3PPB T :	2115099	
LIVE TGT NAI :	1	
LIVE TGT BAF :	766107	
LIVE MOMOTA :	3116341	
LIVE OKUNO :	68949	
LIVE FC :	0	
LIVE MOMOTA1 :	4923603	
LIVE MOMOTA2 :	54969540	
LIVE MOMOTA3 :	51613100	
LIVE OKUNO1 :	2413499	
LIVE OKUNO2 :	510032	
LIVE OKUNO3 :	341346	
LIVE_CLOCK :	43023	

Run number:	214	Tape:	21	Name:	01A
Description:	Thesh. of F2 Plastic = 300 nV				
Date:	6/8/04	Time:	1:34 am.		
Brho1:	2.7700	Brho2:	2.7700		
NMR1:	769.721	NMR2:	770.255		
Target:	<del>Be(92)</del>	Ta(166)	Be(115) Be(181)		
F1 slit:	± 3 mm	F1PPAC:	IN <del>OUT</del>		
Wedge:	<del>none</del>	100mg/Al	60mg/Al		
F2 slit:	open				
F2PPAC:	<del>4N</del> OUT	F3PPACs:	<del>IN</del> OUT		
F2 Scint:	<del>4N</del> OUT	F3 Scint:	<del>4N</del> OUT		
Rips control	<del>yes</del> /no	prisca	SCA file		
Trigger:	F1 PPAC/F1Plastic/F2 Plastic				

Bias voltage table (please compare to previous values)			
U_dE=	96.0	I_dE=	0.53
U_E1=	100.0	I_E1=	2.63
U_E2=	97.0	I_E2=	0.99
U_E3=	95.5	I_E3=	0.24
U_E4=	95.6	I_E4=	0.30
F1_PPAC=	-748	NaI(Tl)_1=	100
F2_PPAC=	-750	NaI(Tl)_2=	100
F3_PPACA=	-755	NaI(Tl)_3=	100
F3_PPACB=	-755	BaF=	1351.8
E1		E2	E3

we changed the thresholds for P2R & P2L L, R  
 AOI moved the two channels to a different discriminator  
 -adjusted widths to 20us (F2R) 10us (F2L)

OLD thresholds: ~~F2R~~ NEW thresholds:

P2R 30mV

300mV

P2L 20mV

302mV

RIPS Control Summary				2004/06/08 01:46:34	
Parameter	Set Curr.	Read Curr.	Target	F2	
Q1	1.3167	180.7472	180.513	FC	Out
Q2	1.5337	144.0633	142.150	Rgt	50.1 mm
Q3	0.7725	136.7376	137.029	Up	24.0 mm
SX1	0.0000	0.1469	0.000	Lft	50.0 mm
D1	0.2777	428.9576	432.218	Dwn	24.0 mm
SX2	0.0000	0.1469	0.000	Rgt	24.0 mm
Q4	0.5572	74.8763	74.869	Lft	23.8 mm
Q5	0.7942	93.6216	93.767	Deg	Out
Q6	0.6197	83.4538	83.750	Lgt	Pla IN deg.
SX3	0.0000	0.1469	0.021	F3	
D2	0.2777	445.9052	445.543	PPAC1	IN
SX4	0.0000	0.1469	0.000	Rgt	49.9 mm
Q7	0.6468	114.4668	115.635	Lft	50.0 mm
Q8	1.1259	119.3385	119.594	PPAC2	IN
Q9	1.0222	140.0950	140.237	SSD	Out
Q10	1.1110	160.5951	162.401	Pla	IN
Q11	1.4205	176.1155	173.782	Lgt	
Q12	1.1106	160.5371	161.845	Rot	0 deg.
Focus	Brho	TA-F1 2.7700	Im		
F1-F2 2.7700	Im	F2-F3 2.7700	Im		

Scaler Name	Total
UNGATED	3458050
GATED	2481509
NONE	40676
F1PP T	254745
F2 SI	0
CLEAR	2481237
F3PP T	8213798
F3PPA T	27097131
E1	27643231
PL 2	3216484
PL 3	50613461
CLOCK	3625533
TGT_NAI	15
TGT_BAF	31560009
MOMOTA	1911554002
OKUNO	4381960
FC	1
MOMOTA1	301490360
MOMOTA2	3626150641
MOMOTA3	3399899078
OKUNO1	147789485
OKUNO2	31651670
OKUNO3	21244678
F3PPB T	15469879
LIVE_TGT_NAI	13
LIVE_TGT_BAF	22443170
LIVE_MOMOTA	136805851
LIVE_OKUNO	3131109
LIVE_FC	1
LIVE_MOMOTA1	216035410
LIVE_MOMOTA2	2608399137
LIVE_MOMOTA3	2437158462
LIVE_OKUNO1	105512590
LIVE_OKUNO2	22602366
LIVE_OKUNO3	15207692
LIVE_CLOCK	2608325

Run214  
 01:05:04 2:34  
 prisca

Start -- Tue Jun 8 01:34:05 2004  
 Stop -- Tue Jun 8 02:34:36 2004

Run number:	215	Tape: 22	Name: AR
Description:			
Date:	6/8/04	Time:	2:37
Brho1:	2.77	Brho2:	2.77
NMR1:	769.721	NMR2:	770.240
Target:	Be(92)	Ta(166)	Be(115) Be(181)
F1 slit:	13 mm	F1PPAC:	IN OUT
Wedge:	none	100mg/Al	60mg/Al
F2 slit:	open		
F2PPAC:	<del>IN</del> OUT	F3PPACs:	<del>IN</del> OUT
F2 Scint:	<del>IN</del> OUT	F3 Scint:	<del>IN</del> OUT
Rips control	yes/no	prisca	SCA file
Trigger:	F1 PPAC/F1Plastic/F2 Plastic		

Bias voltage table (please compare to previous values)			
U_dE=	96.0	I_dE=	0.53
U_E1=	100.0	I_E1=	2.62
U_E2=	97.2	I_E2=	1.09
U_E3=	95.4	I_E3=	0.25
U_E4=	95.6	I_E4=	0.30
F1_PPAC=	-748	NaI(Tl) 1=	100
F2_PPAC=	-749	NaI(Tl) 2=	100
F3_PPACA=	-755	NaI(Tl) 3=	100
F3_PPACB=	-755	BaF=	1351.8
E1		E2	
			E3

RIPS Control Summary				2004/06/08 02:49:39			
Parameter	Set Curr.	Read Curr.	Target	F2			
Q1	1.3167	180.7472	180.736	Tgt 194.5	mm	FC	Out
Q2	1.5337	144.0633	142.388	FC	Out	Rgt	50.1 mm
Q3	0.7725	136.7376	136.942	Up 24.0	mm	Lft	50.0 mm
SX1	0.0000	0.1469	0.000	Dwn 24.0	mm	PPAC	
D1	0.2777	428.9576	432.482	Rgt 24.0	mm	SSD	-94.8 mm
SX2	0.0000	0.1469	0.000	Lft 23.8	mm	Deg	Out -4.9 deg.
Q4	0.5572	74.8763	74.924	Lgt		Pla	IN
Q5	0.7942	93.6216	93.767				
Q6	0.6197	83.4538	83.642				
SX3	0.0000	0.1469	0.000				
D2	0.2777	445.9052	445.279				
SX4	0.0000	0.1469	0.000				
Q7	0.6468	114.4668	115.716				
Q8	1.1259	119.3385	119.752				
Q9	1.0222	140.0950	140.331				
Q10	1.1110	160.5951	162.735				
Q11	1.4205	176.1155	174.461				
Q12	1.1106	160.5371	161.845				
Focus	Brho	TA-F1 2.7700	Tm				
F1-F2 2.7700	Tm	F2-F3 2.7700	Tm				

Update exit

6*08, 04 3:39		prisca	
Run215			
Start	-- Tue Jun 8 02:37:36 2004		
Stop	-- Tue Jun 8 03:39:12 2004		
Scaler Name :	Total		
UNGATED :	2981004		
GATED :	2226436		
NONE :	36496		
F1PP_T :	217873		
F2_SI :	0		
CLEAR_S :	2226257		
F2PP_T :	7143671		
F3PPA_T :	23595955		
E1 :	24359120		
PL_2 :	2767636		
PL_3 :	44134922		
CLOCK :	3691153		
TGT_NAI :	12		
TGT_BAF :	23328954		
MOMOTA :	167407133		
OKUNO :	3814070		
FC :	2		
MOMOTA1 :	264089605		
MOMOTA2 :	3252999906		
MOMOTA3 :	3054057678		
OKUNO1 :	127180614		
OKUNO2 :	27502929		
OKUNO3 :	18056715		
F3PPB_T :	13406229		
LIVE_TGT_NAI :	9		
LIVE_TGT_BAF :	17332798		
LIVE_MOMOTA :	124613442		
LIVE_OKUNO :	2839094		
LIVE_FC :	2		
LIVE_MOMOTA1 :	197137643		
LIVE_MOMOTA2 :	2437770233		
LIVE_MOMOTA3 :	2280392138		
LIVE_OKUNO1 :	94633466		
LIVE_OKUNO2 :	20465097		
LIVE_OKUNO3 :	13473108		
LIVE_CLOCK :	2767269		

Run number:	266	Tape: 22	Name: AL
Description:	New Brho.		
Date:	6/8/04	Time:	4:15
Brho1:	2.84	Brho2:	2.84
NMR1:	788.768	NMR2:	789.306
Target:	Be(92)	Ta(166)	Be(115) Be(181)
F1 slit:	± 3 mm	F1PPAC:	IN <del>OUT</del>
Wedge:	none	100mg/Al	60mg/Al
F2 slit:	open		
F2PPAC:	<del>IN</del> OUT	F3PPACs:	<del>IN</del> OUT
F2 Scint:	<del>IN</del> OUT	F3 Scint:	<del>IN</del> OUT
Rips control	yes/no	prisca	SCA file
Trigger:	F1 PPAC/F1Plastic/F2 Plastic		

Bias voltage table (please compare to previous values)			
U_dE=	96.0	I_dE=	0.52
U_E1=	100.0	I_E1=	2.58
U_E2=	97.2	I_E2=	1.13
U_E3=	95.5	I_E3=	0.26
U_E4=	95.6	I_E4=	0.32
F1_PPAC=	-748	NaI(Tl)_1=	100
F2_PPAC=	-749	NaI(Tl)_2=	100
F3_PPACA=	-755	NaI(Tl)_3=	100
F3_PPACB=	-755	BaF=	1351.8
E1		E2	
			F3

RIPS Control Summary				2004/06/08 04:34:12			
Parameter	Set Curr.	Read Curr.	Target	F2			
Q1	1.3167	185.3403	185.082	Tgt 194.6	mm	FC Out	
Q2	1.5337	147.7088	145.829	FC Out		Rgt 50.1 mm	
Q3	0.7725	140.1963	140.494	Up 24.0	mm	Lft 50.0 mm	
SX1	0.0000	0.1469	0.000	Dwn 24.0	mm	PPAC	
D1	0.2777	439.8138	443.328	Rgt 24.0	mm	SSD -94.7 mm	
SX2	0.0000	0.1469	0.026	Lft 23.8	mm	Deg Out	
Q4	0.5572	76.8087	76.778	Lgt		Pla IN deg.	
Q5	0.7942	96.0268	96.243				
Q6	0.6197	85.6031	85.926				
SX3	0.0000	0.1469	0.000				
D2	0.2777	457.177	456.913	F1	F3		
SX4	0.0000	0.1469	0.000	D1 119.8	mm	PPAC1 IN	
Q7	0.6468	117.3628	118.563	ld -134.9	mm	Rgt 49.9 mm	
Q8	1.1259	122.3487	122.599	Rgt 3.0	mm	Lft 50.0 mm	
Q9	1.0222	143.6608	144.185	Lft 3.0	mm	PPAC2 IN	
Q10	1.1110	164.6567	166.850	Mom Out		SSD Out	
Q11	1.4205	180.5588	178.673	Deg Emp		Pla IN	
Q12	1.1106	164.5978	166.072	PPAC Out		Lgt	
Focus	Brho	TA-F1 2.8400	Tm	Rot 0	deg.		
F1-F2 2.8400	Tm	F2-F3 2.8400	Tm				

Update

exit

6 of 08, 04 5:15		prisca	
Run216			
Start -- Tue Jun 8 04:15:03 2004			
Stop -- Tue Jun 8 05:15:39 2004			
Scaler Name :	Total		
UNGATED :	468181		
GATED :	444446		
NONE :	7286		
F1PP T :	133128		
F2 SI :	0		
CLEARs :	444447		
F2PP T :	4491314		
F3PPA T :	26005341		
E1 :	29874009		
PL_2 :	331321		
PL_3 :	58337415		
CLOCK :	3632484		
TGT NAI :	15		
TGT_BAF :	107554624		
MOMOTA :	314971620		
OKUNO :	7271131		
FC :	1		
MOMOTA1 :	505459009		
MOMOTA2 :	1017109004		
MOMOTA3 :	808713822		
OKUNO1 :	249247686		
OKUNO2 :	53128718		
OKUNO3 :	35445658		
F3PPB T :	12548502		
LIVE TGT NAI :	14		
LIVE TGT_BAF :	101939948		
LIVE MOMOTA :	298878592		
LIVE OKUNO :	6898889		
LIVE FC :	1		
LIVE MOMOTA1 :	482300573		
LIVE MOMOTA2 :	781060273		
LIVE MOMOTA3 :	567774378		
LIVE OKUNO1 :	236488536		
LIVE OKUNO2 :	50408823		
LIVE OKUNO3 :	33634098		
LIVE_CLOCK :	3451004		

Run number:	217	Tape:	22	Name:	AL
Description:	Same as run 216				
Date:	6/8/04.	Time:			
Brho1:	2.84	Brho2:	2.84		
NMR1:	788.769	NMR2:	789.306		
Target:	Be(92)	Ta(166)	Be(115) Be(181)		
F1 slit:	± 3 mm	F1PPAC:	IN OUT		
Wedge:	none	100mg/Al	60mg/Al		
F2 slit:	open				
F2PPAC:	<del>IN</del> OUT	F3PPACs:	<del>IN</del> OUT		
F2 Scint:	<del>IN</del> OUT	F3 Scint:	<del>IN</del> OUT		
Rips control	yes/no	prisca	SCA file		
Trigger:	F1 PPAC/F1Plastic/F2 Plastic				

Bias voltage table (please compare to previous values)					
U_dE=	96.0	I_dE=	0.52		
U_E1=	100.	I_E1=	2.56		
U_E2=	97.2	I_E2=	1.13		
U_E3=	95.5	I_E3=	0.76		
U_E4=	95.6	I_E4=	0.37		
F1_PPAC=	- 748	NaI(Tl)_1=	100		
F2_PPAC=	- 749	NaI(Tl)_2=	100		
F3_PPACA=	- 755	NaI(Tl)_3=	100		
F3_PPACB=	- 755	BaF=	1351.8		
F1		F2		F3	



RIPS Control Summary				2004/06/08 05:28:30	
Parameter	Set	Curr.	Read	Target	F2
Q1	1.3167	185.3403	185.193	Tgt 194.6 mm	FC Out
Q2	1.5337	147.7088	145.710	FC Out	Rgt 50.1 mm
Q3	0.7725	140.1963	140.234	Up 24.0 mm	Lft 50.0 mm
SX1	0.0000	0.1469	0.000	Dwn 24.0 mm	PPAC
D1	0.2777	439.8138	443.063	Rgt 24.0 mm	SSD -94.7 mm
SX2	0.0000	0.1469	0.000	Lft 23.8 mm	Deg Out -4.9 deg.
Q4	0.5572	76.8087	76.832	Lgt	Pla IN
Q5	0.7942	96.0268	96.181		
Q6	0.6197	85.6031	85.762		
SX3	0.0000	0.1469	0.021		
D2	0.2777	457.1774	456.913	F1	F3
Sx4	0.0000	0.1469	0.000	D1 119.8 mm	PPAC1 IN
Q7	0.6468	117.3628	118.644	ld -134.9 mm	Rgt 49.9 mm
Q8	1.1259	122.3487	122.837	Rgt 3.0 mm	Lft 50.0 mm
Q9	1.0222	143.6608	143.997	Lft 3.0 mm	PPAC2 IN
Q10	1.1110	164.6567	166.850	Mom Out	SSD Out
Q11	1.4205	180.5588	178.130	Deg Emp	Pla IN
Q12	1.1106	164.5973	166.072	PPAC Out	Lgt
Focus	Brho	TA-F1 2.8400	Tm	Rot 0	deg.
F1-F2 2.8400	Tm	F2-F3 2.8400	Tm		

Update exit

6:08, 04 5:33		prisca	
Run217			
Start -- Tue Jun 8 05:16:24 2004			
Stop -- Tue Jun 8 05:33:05 2004			
Scaler Name :	Total		
UNGATED :	106649		
GATED :	102237		
NONE :	1676		
FLPP_T :	30681		
F2_SI :	0		
CLEAR_S :	102237		
F2PP_T :	1028465		
F3PPA_T :	5999114		
E1 :	6870178		
PL_2 :	75537		
PL_3 :	13384352		
CLOCK :	999759		
TGT_NAI :	1		
TGT_BAF :	15723132		
MOMOTA :	72641844		
OKUNO :	1658968		
FC :	0		
MOMOTA1 :	116043156		
MOMOTA2 :	1271427424		
MOMOTA3 :	1217533969		
OKUNO1 :	55946489		
OKUNO2 :	12056977		
OKUNO3 :	7927150		
F3PPB_T :	2890837		
LIVE_TGT_NAI :	1		
LIVE_TGT_BAF :	15059700		
LIVE_MOMOTA :	69577256		
LIVE_OKUNO :	1589225		
LIVE_FC :	0		
LIVE_MOMOTA1 :	111663843		
LIVE_MOMOTA2 :	1225864972		
LIVE_MOMOTA3 :	1170147257		
LIVE_OKUNO1 :	53583090		
LIVE_OKUNO2 :	11547293		
LIVE_OKUNO3 :	7592815		
LIVE_CLOCK :	957923		

Run number:	218	Tape:	22	Name:	AR
Description:	New Brho. Full beam				
Date:	6/8/04	Time:	5:40 a.m.		
Brho1:	2.8700	Brho2:	2.8700		
NMR1:	796.984	NMR2:	797.540		
Target:	Be(92)	Ta(166)	Be(115) Be(181)		
F1 slit:	ε 3 mm	F1PPAC:	IN OUT		
Wedge:	none	100mg/Al	60mg/Al		
F2 slit:	open				
F2PPAC:	IN OUT	F3PPACs:	IN OUT		
F2 Scint:	IN OUT	F3 Scint:	IN OUT		
Rips control	yes/no	prisca	SCA file		
Trigger:	F1 PPAC/F1Plastic/F2 Plastic				

Bias voltage table (please compare to previous values)			
U dE=	96.0	I dE=	0.51
U E1=	100	I E1=	2.55
U E2=	97.2	I E2=	1.11
U E3=	95.5	I E3=	0.25
U E4=	95.6	I E4=	0.31
F1_PPAC=	- 748	NaI(Tl) 1=	100
F2_PPAC=	- 749	NaI(Tl) 2=	100
F3_PPACA=	- 755	NaI(Tl) 3=	100
F3_PPACB=	- 755	BaF=	1351.8
F1		F2	
			F3

RIPS Control Summary				2004/06/08 06:00:59	
Q1	Parameter	Set Curr.	Read Curr.	Target	F2
Q2	1.3167	187.308	187.311	Tgt 194.6 mm	FC Out
Q3	0.7725	141.678	141.793	FC Out	Rgt 50.1 mm
SX1	0.0000	0.1469	0.000	Up 24.0 mm	Lft 50.0 mm
D1	0.2777	444.466	448.089	Dwn 24.0 mm	PPAC
SX2	0.0000	0.1469	0.000	Rgt 24.0 mm	SSD -94.7 mm
Q4	0.5572	77.6369	77.705	Lft 23.8 mm	Deg Out
Q5	0.7942	97.0576	97.172	Lgt	Pla IN deg.
Q6	0.6197	86.5242	86.687		
SX3	0.0000	0.1469	0.000		
D2	0.2777	462.008	461.408	F1	F3
SX4	0.0000	0.1469	0.000	D1 119.8 mm	PPAC1 IN
Q7	0.6468	118.603	119.945	ld -134.9 mm	Rgt 49.9 mm
Q8	1.1259	123.638	124.102	Rgt 3.0 mm	Lft 50.0 mm
Q9	1.0222	145.189	145.407	Lft 3.0 mm	PPAC2 IN
Q10	1.1110	166.397	168.630	Mom Out	SSD Out
Q11	1.4205	182.463	180.983	Deg Emp	Pla IN
Q12	1.1106	166.337	167.851	PPAC Out	Lgt
Focus	Brho	TA-F1 2.8700	Im	Rot 0	deg.
F1-F2 2.8700	Im	F2-F3 2.8700	Im	<input type="button" value="Update"/> <input type="button" value="exit"/>	

6:08, 04 6:40		prisca
Run218		
Start	-- Tue Jun 8 05:40:55 2004	
Stop	-- Tue Jun 8 06:40:05 2004	
Scaler Name :	Total	
UNGATED :	146167	
GATED :	143716	
NONE :	2356	
F1PP_T :	61819	
F2_SI :	0	
CLEAR :	143717	
F2PP_T :	1817114	
F3PPA_T :	12177916	
E1 :	14010855	
PL_2 :	85528	
PL_3 :	29090030	
CLOCK :	3546537	
TGT_NAI :	14	
TGT_BAF :	29021796	
MOMOTA :	178262469	
OKUNO :	4075192	
FC :	0	
MOMOTA1 :	284582403	
MOMOTA2 :	3416148887	
MOMOTA3 :	3238142655	
OKUNO1 :	135783558	
OKUNO2 :	29692836	
OKUNO3 :	19352083	
F3PPB_T :	5668688	
LIVE_TGT_NAI :	14	
LIVE_TGT_BAF :	28529026	
LIVE_MOMOTA :	175241477	
LIVE_OKUNO :	4005780	
LIVE_FC :	0	
LIVE_MOMOTA1 :	280706993	
LIVE_MOMOTA2 :	3379469214	
LIVE_MOMOTA3 :	3191726142	
LIVE_OKUNO1 :	133479056	
LIVE_OKUNO2 :	29189105	
LIVE_OKUNO3 :	19022119	
LIVE_CLOCK :	3487562	

Run number:	219	Tape: 22	Name: AR
Description:	Same as run 218.		
Date:	6/8/04	Time:	6:46 a.m.
Brho1:	2.87	Brho2:	2.87
NMR1:	796.985	NMR2:	797.540
Target:	Be(92)	Ta(166)	Be(115) Be(181)
F1 slit:	$\pm 3$ mm	F1PPAC:	IN <del>OUT</del>
Wedge:	<del>none</del>	100mg/Al	60mg/Al
F2 slit:	open		
F2PPAC:	<del>IN</del> OUT	F3PPACs:	<del>IN</del> OUT
F2 Scint:	<del>IN</del> OUT	F3 Scint:	<del>IN</del> OUT
Rips control	yes/no	prisca	SCA file
Trigger:	F1 PPAC/F1Plastic/F2 Plastic		

Bias voltage table (please compare to previous values)			
U dE=	96.0	I dE=	0.51
U E1=	100	I E1=	2.54
U E2=	97.2	I E2=	1.10
U E3=	95.5	I E3=	0.25
U E4=	95.6	I E4=	0.31
F1_PPAC=	- 748	NaI(Tl)_1=	100
F2_PPAC=	- 749	NaI(Tl)_2=	100
F3_PPACA=	- 755	NaI(Tl)_3=	100
F3_PPACB=	- 755	BaF=	1352.8
F1		F2	F3

RIPS Control Summary				2004/06/08 06:54:22	
Parameter	Set Curr.	Read Curr.	Target	F2	
Q1	1.3167	187.3087	187.311	Tgt 194.6	mm
Q2	1.5337	149.2711	147.490	FC Out	
Q3	0.7725	141.6786	141.793	Rgt 50.1	mm
SX1	0.0000	0.1469	0.000	Up 24.0	mm
D1	0.2777	444.4665	447.824	Dwn 24.0	mm
SX2	0.0000	0.1469	0.026	Rgt 24.0	mm
Q4	0.5572	77.6369	77.705	Lft 23.8	mm
Q5	0.7942	97.0576	97.172	Lgt	
Q6	0.6197	86.5242	86.687		
SX3	0.0000	0.1469	0.000		
D2	0.2777	462.0084	461.408		
SX4	0.0000	0.1469	0.000		
Q7	0.6468	118.6039	119.945		
Q8	1.1259	123.6388	124.023		
Q9	1.0222	145.1890	145.407		
Q10	1.1110	166.3974	168.630		
Q11	1.4205	182.4631	180.440		
Q12	1.1106	166.3373	167.851		
Focus	Brho	TA-F1 2.8700	Im		
F1-F2 2.8700	Im	F2-F3 2.8700	Im		

6:08, 04 7:43		prisca
Run219		
Start -- Tue Jun 8 06:41:36 2004		
Stop -- Tue Jun 8 07:43:23 2004		
Scaler Name :	Total	
UNGATED :	129912	
GATED :	127978	
NONE :	2098	
F1PP T :	54441	
F2 SI :	0	
CLEARs :	127979	
F2PP T :	1608797	
F3PPA T :	10785837	
E1 :	12370007	
PL 2 :	74526	
PL 3 :	25601025	
CLOCK :	3701513	
TGT NAI :	11	
TGT BAF :	23057166	
MOMOTA :	157405919	
OKUNO :	3581078	
FC :	0	
MOMOTA1 :	251225521	
MOMOTA2 :	3121105961	
MOMOTA3 :	2948801132	
OKUNO1 :	118763867	
OKUNO2 :	26132064	
OKUNO3 :	16927694	
F3PPB T :	5032945	
LIVE TGT NAI :	11	
LIVE TGT BAF :	22722734	
LIVE MOMOTA :	155125928	
LIVE OKUNO :	3528936	
LIVE FC :	0	
LIVE MOMOTA1 :	248315378	
LIVE MOMOTA2 :	3094844338	
LIVE MOMOTA3 :	2912996358	
LIVE OKUNO1 :	117044132	
LIVE OKUNO2 :	25753075	
LIVE OKUNO3 :	16680395	
LIVE_CLOCK :	3649206	

Run number:	220	Tape:	HD	Name:	AK
Description:	Short run w Ta tgt.				
Date:	6/8/04	Time:			
Brho1:	2.87	Brho2:	2.87		
NMR1:	796.987	NMR2:	797.515		
Target:	Be(92)	Ta(166)	Be(115) Be(181)		
F1 slit:	±3 mm	F1PPAC:	IN <del>OUT</del>		
Wedge:	<del>none</del>	100mg/Al	60mg/Al		
F2 slit:	open				
F2PPAC:	<del>IN</del> OUT	F3PPACs:	<del>IN</del> OUT		
F2 Scint:	<del>IN</del> OUT	F3 Scint:	<del>IN</del> OUT		
Rips control	<del>yes</del> /no	prisca	SCA file		
Trigger:	F1 PPAC/F1Plastic/F2 Plastic				

Bias voltage table (please compare to previous values)			
U dE=	96.0	I dE=	0.57
U E1=	100.1	I E1=	2.66
U E2=	97.2	I E2=	1.18
U E3=	95.5	I E3=	0.24
U E4=	95.6	I E4=	0.30
F1_PPAC=	-748	NaI(Tl)_1=	100
F2_PPAC=	-749	NaI(Tl)_2=	100
F3_PPACA=	-755	NaI(Tl)_3=	100
F3_PPACB=	-755	BaF=	1351.9

Att. 1/2000

2004/06/08 08:23:00

## RIPS Control Summary

Parameter	Set Curr.	Read Curr.	Target	F2
Q1	1.3167	187.308	187.088	FC Out
Q2	1.5337	149.271	147.608	Rgt 50.1 mm
Q3	0.7725	141.678	141.706	Lft 50.0 mm
SX1	0.0000	0.1469	0.000	PPAC
D1	0.2777	444.466	447.824	SSD -94.7 mm
SX2	0.0000	0.1469	0.000	Deg Out
Q4	0.5572	77.6369	77.596	Pla IN deg.
Q5	0.7942	97.0576	97.233	
Q6	0.6197	86.5242	86.796	
SX3	0.0000	0.1469	0.000	
D2	0.2777	462.008	461.673	
Sx4	0.0000	0.1469	0.000	
Q7	0.6468	118.603	119.945	
Q8	1.1259	123.638	124.260	
Q9	1.0222	145.189	145.407	
Q10	1.1110	166.397	168.630	
Q11	1.4205	182.463	180.440	
Q12	1.1106	166.337	167.851	

Focus	Brho	TA-F1	Tm
F1-F2	2.8700	Tm	F2-F3 2.8700 Tm

Update
exit

6:08, 04:8:10 prisca

Run220

Start -- Tue Jun 8 08:07:47 2004  
 Stop -- Tue Jun 8 08:09:53 2004

Scaler Name :	Total
UNGATED :	192752
GATED :	118378
NONE :	1940
F1PP_T :	154
F2 SI :	0
CLEAR_S :	118341
F2PP_T :	196690
F3PPA_T :	199166
E1 :	173721
PL_2 :	196148
PL_3 :	206966
CLOCK :	126110
TGT_NAI :	0
TGT_BAF :	1512
MOMOTA :	30449
OKUNO :	3158
FC :	0
MOMOTA1 :	124921
MOMOTA2 :	11414156
MOMOTA3 :	10061541
OKUNO1 :	53787
OKUNO2 :	13399
OKUNO3 :	6477
F3PPB_T :	197693
LIVE_TGT_NAI :	0
LIVE_TGT_BAF :	948
LIVE_MOMOTA :	18759
LIVE_OKUNO :	1940
LIVE_FC :	0
LIVE_MOMOTA1 :	76569
LIVE_MOMOTA2 :	7007180
LIVE_MOMOTA3 :	6178635
LIVE_OKUNO1 :	32611
LIVE_OKUNO2 :	8110
LIVE_OKUNO3 :	3973
LIVE_CLOCK :	77632

Run number:	221	Tape:	23	Name:	AK
Description:	BP = 293, Be92, F2PL + trigger				
Date:	6/8/04	Time:	0828		
Brho1:	2.93	Brho2:	2.93		
NMR1:		NMR2:			
Target:	Be(92)	Ta(166)	Be(115) Be(181)		
F1 slit:	± 3 mm	F1PPAC:	IN OUT		
Wedge:	none	100mg/Al	60mg/Al		
F2 slit:	open				
F2PPAC:	IN OUT	F3PPACs:	IN OUT		
F2 Scint:	IN OUT	F3 Scint:	IN OUT		
Rips control	yes/no	prisca	SCA file		
Trigger:	F1 PPAC/F1Plastic/F2 Plastic				

Bias voltage table (please compare to previous values)					
U dB=	76.0 V	I dB=	0.51 $\mu$ A		
U E1=	100	I E1=	2.52		
U E2=	97.2	I E2=	1.14		
U E3=	95.5	I E3=	0.29		
U E4=	95.6	I E4=	0.30		
F1_PPAC=	-718	NaI(Tl)_1=	100V		
F2_PPAC=	-719	NaI(Tl)_2=			
F3_PPACA=	-755	NaI(Tl)_3=			
F3_PPACB=	-755	BaF=	1352V		
E1		E2		E3	



6/08, 04 9:47

prisca

Run221

Start -- Tue Jun 8 08:28:31 2004

Stop -- Tue Jun 8 09:47:28 2004

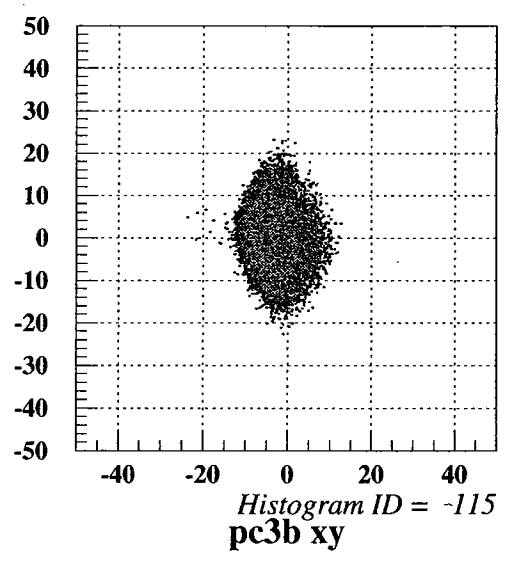
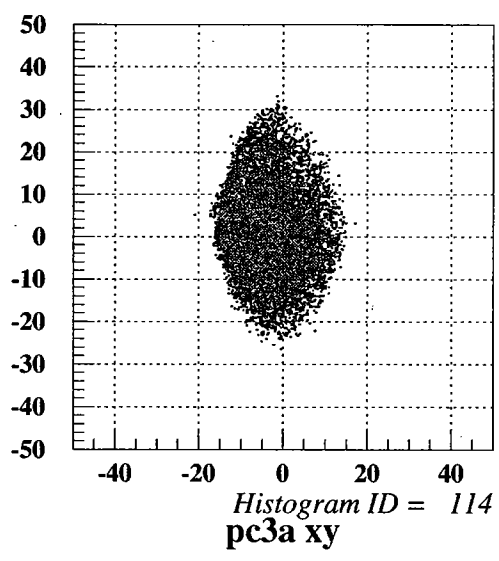
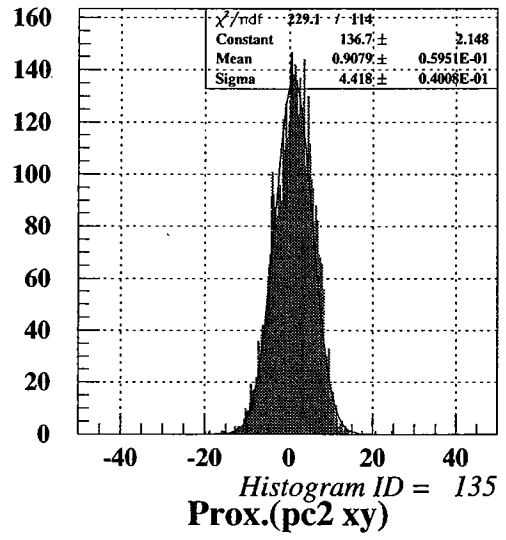
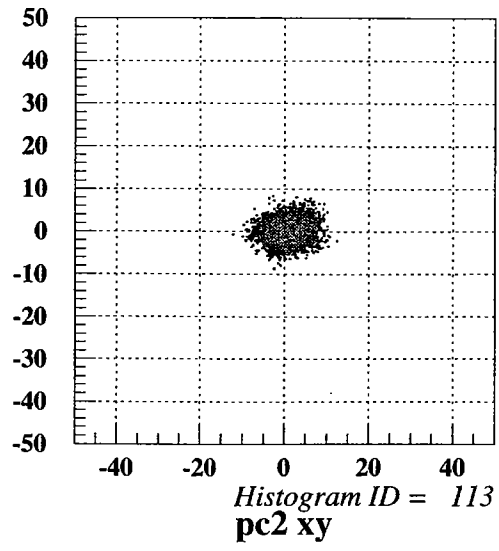
Scaler Name : Total

UNGATED :	33542
GATED :	33428
NONE :	548
FLPP_T :	43914
F2_SI :	0
CLEAR_S :	33429
F2PP_T :	815505
F3PPA_T :	7421896
E1 :	8205989
PL_2 :	11812
PL_3 :	21038475
CLOCK :	4717677
TGT_NAI :	16
TGT_BAF :	22083644
MOMOTA :	155824870
OKUNO :	3617904
FC :	0
MOMOTA1 :	250148597
MOMOTA2 :	3308328125
MOMOTA3 :	3120359511
OKUNO1 :	119432301
OKUNO2 :	26509096
OKUNO3 :	16984061
F3PPB_T :	3209322
LIVE_TGT_NAI :	16
LIVE_TGT_BAF :	22017611
LIVE_MOMOTA :	155359589
LIVE_OKUNO :	3607294
LIVE_FC :	0
LIVE_MOMOTA1 :	249995448
LIVE_MOMOTA2 :	3317828614
LIVE_MOMOTA3 :	3117913964
LIVE_OKUNO1 :	119076195
LIVE_OKUNO2 :	26429960
LIVE_OKUNO3 :	16934417
LIVE_CLOCK :	4703857

Run number:	222	Tape:	23	Name:	JMC
Description:	Same as 221, B <sub>0</sub> =2.93, Be92, trigger F2PL				
Date:	6/8	Time:	0948		
Brho1:	2.93	Brho2:	2.93		
NMR1:	813.530	NMR2:	814.055		
Target:	Be(92)	Ta(166)	Be(115) Be(181)		
F1 slit:	F3 mm	F1PPAC:	IN OUT		
Wedge:	none	100mg/Al	60mg/Al		
F2 slit:	open				
F2PPAC:	IN OUT	F3PPACs:	IN OUT		
F2 Scint:	IN OUT	F3 Scint:	IN OUT		
Rips control	yes/no	prisca	SCA file		
Trigger:	F1 PPAC/F1Plastic/F2 Plastic				

Bias voltage table (please compare to previous values)			
U dE=		I dE=	
U E1=		I E1=	
U E2=		I E2=	
U E3=		I E3=	
U E4=		I E4=	
F1_PPAC=		NaI(Tl) 1=	
F2_PPAC=		NaI(Tl) 2=	
F3_PPACA=		NaI(Tl) 3=	
F3_PPACB=		BaF=	
	E1	E2	E3

cra  
 of  
 run  
 before  
 occur  
 data



### RIPS Control Summary

2004/06/08 10:02:58

Parameter	Set	Curr.	Read	Curr.
Q1	1.3167	191.245	191.322	
Q2	1.5337	152.395	150.575	
Q3	0.7725	144.643	144.911	
SX1	0.0000	0.1469	0.000	
D1	0.2777	453.771	457.347	
SX2	0.0000	0.1469	0.000	
Q4	0.5572	79.2934	79.286	
Q5	0.7942	99.1191	99.338	
Q6	0.6197	88.3664	88.754	
SX3	0.0000	0.1469	0.000	
D2	0.2777	471.670	471.721	
SX4	0.0000	0.1469	0.000	
Q7	0.6468	121.086	122.466	
Q8	1.1259	126.219	126.712	
Q9	1.0222	148.245	148.791	
Q10	1.1110	169.878	172.189	
Q11	1.4205	186.271	183.972	
Q12	1.1106	169.817	170.743	

Target		F2	
Tgt 194.5	mm	FC Out	
FC Out		Rgt 50.1	mm
Up 24.0	mm	Lft 50.0	mm
Dwn 24.0	mm	PPAC	
Rgt 24.0	mm	SSD -94.8	mm
Lft 23.8	mm	Deg Out	
Lgt		Pla -4.9	deg.
			IN

F1		F3	
D1 119.8	mm	PPAC1	IN
ld -135.1	mm	Rgt 49.9	mm
Rgt 3.0	mm	Lft 50.0	mm
Lft 3.0	mm	PPAC2	IN
Mom Out		SSD Out	
Deg Exp		Pla	IN
PPAC Out		Lgt	

Focus Brho TA-F1 2.9300 Tm  
F1-F2 2.9300 Tm F2-F3 2.9300 Tm

Update exit

DAQ system crashed at end of run. I believe

run was ended before crash occurred and that the data is good.

Run number:	223	Tape:	ZB4	Name:	JMC
Description:					
Date:	618	Time:	1121		
Brho1:	2.77	Brho2:	2.77		
NMR1:	<del>687.65</del>	NMR2:	<del>687</del>		
Target:	Be(92)	Ta(166)	Be(115) Be(181)		
F1 slit:	±3 mm	F1PPAC:	IN OUT		
Wedge:	none	100mg/Al	60mg/Al		
F2 slit:	open				
F2PPAC:	IN OUT	F3PPACs:	IN OUT		
F2 Scint:	IN OUT	F3 Scint:	IN OUT		
Rips control	yes/no	prisca	SCA file		
Trigger:	F1 PPAC/F1Plastic/F2 Plastic				

Bias voltage table (please compare to previous values)			
U_dE=		I_dE=	
U_E1=		I_E1=	
U_E2=		I_E2=	
U_E3=		I_E3=	
U_E4=		I_E4=	
F1_PPAC=		NaI(Tl)_1=	
F2_PPAC=		NaI(Tl)_2=	
F3_PPACA=		NaI(Tl)_3=	
F3_PPACB=		BaF=	

F1

F2

F3

Start -- Tue Jun 8 11:21:06 2004  
 Stop -- Tue Jun 8 11:24:32 2004

Scaler Name : Total

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UNGATED : 100632
GATED : 79423
NONE : 1302
F1PP T : 16
F2 SI : 0
CLEARS : 79423
F2PP T : 100939
F3PPA T : 100934
E1 : 96471
PL 2 : 100882
PL 3 : 102563
CLOCK : 205274
TGT NAI : 1
TGT BAF : 18
MOMOTA : 216
OKUNO : 21
FC : 0
MOMOTA1 : 110513
MOMOTA2 : 17804293
MOMOTA3 : 15499693
OKUNO1 : 400
OKUNO2 : 89
OKUNO3 : 59
F3PPB T : 100910
LIVE TGT NAI : 1
LIVE TGT BAF : 11
LIVE MOMOTA : 170
LIVE OKUNO : 15
LIVE FC : 0
LIVE MOMOTA1 : 88019
LIVE MOMOTA2 : 14190289
LIVE MOMOTA3 : 12356212
LIVE OKUNO1 : 315
LIVE OKUNO2 : 71
LIVE OKUNO3 : 47
  
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Run stopped due to high ratio of primary seam charges states. 38

I believe scalars were not saved.

RIPS Control Summary				2004/06/08 11:27:59	
Parameter	Set Curr.	Read Curr.	Target	F2	
Q1	1.3167	180.7477	180.736	Tgt 95.8	mm
Q2	1.5337	144.0633	142.150	FC Out	
Q3	0.7725	136.7378	137.116	Up 24.0	mm
SX1	0.0000	0.1469	0.000	Dwn 24.0	mm
D1	0.2777	428.9570	432.218	Rgt 24.0	mm
SX2	0.0000	0.1469	0.000	Lft 23.8	mm
Q4	0.5572	74.8763	74.924	Lgt	
Q5	0.7942	93.6216	93.767	FC Out	
Q6	0.6197	83.4538	83.750	Up 24.0	mm
SX3	0.0000	0.1469	0.000	Dwn 24.0	mm
D2	0.2777	445.9052	445.543	Rgt 24.0	mm
SX4	0.0000	0.1469	0.000	Lft 23.8	mm
Q7	0.6468	114.4661	115.716	Lgt	
Q8	1.1259	119.3389	119.752	FC Out	
Q9	1.0222	140.0950	140.519	Up 24.0	mm
Q10	1.1110	160.5953	162.846	Dwn 24.0	mm
Q11	1.4205	176.1157	173.918	Rgt 24.0	mm
Q12	1.1106	160.5375	161.845	Lft 23.8	mm
Focus	Brho	TA-F1 2.7700	Tm	F1	F3
F1-F2 2.7700	Tm	F2-F3 2.7700	Tm	D1 119.8	mm
				Id -134.9	mm
				Rgt 3.0	mm
				Lft 3.0	mm
				Mon Out	
				Deg Exp	
				PPAC Out	
				Rot 0	deg.
				PPAC1	IN
				Rgt 49.9	mm
				Lft 50.0	mm
				PPAC2	IN
				SSD	Out
				Pla	IN
				Lgt	
				FC Out	
				Rgt 50.0	mm
				Lft 50.0	mm
				PPAC	
				SSD -94.8	mm
				Deg	Out
				-4.9	deg.
				Pla	IN

Run number:	224	Tape:	24	Name:	JMC
Description:	Bp = 2.48, Be92, F2 PL trigger				
Date:	6/8	Time:	1140		
Brho1:	2.48	Brho2:	2.48		
NMRI:	68.626	NMR2:	690.120		
Target:	Be(92)	Ta(166)	Be(115) Be(181)		
F1 slit:	± 3 mm	F1PPAC:	IN OUT		
Wedge:	none	100mg/Al	60mg/Al		
F2 slit:	open				
F2PPAC:	IN OUT	F3PPACs:	IN OUT		
F2 Scint:	IN OUT	F3 Scint:	IN OUT		
Rips control	yes/no	prisca	SCA file		
Trigger:	F1 PPAC/F1Plastic/F2 Plastic				

Bias voltage table (please compare to previous values)			
U_dE=		I_dE=	
U_E1=		I_E1=	
U_E2=		I_E2=	
U_E3=		I_E3=	
U_E4=		I_E4=	
F1_PPAC=		NaI(Tl)_1=	
F2_PPAC=		NaI(Tl)_2=	
F3_PPACA=		NaI(Tl)_3=	
F3_PPACB=		BaF=	

Start -- Tue Jun 8 11:40:24 2004  
 Stop -- Tue Jun 8 11:46:33 2004

Scaler Name : Total

```

  UNGATED : 207002
  GATED : 151304
  NONE : 2480
  F1PP T : 31
  F2_SI : 0
  CLEARS : 151281
  F2PP T : 209199
  F3PPA T : 208200
  E1 : 193488
  PL_2 : 208136
  PL_3 : 210993
  CLOCK : 368335
  TGT_NAI : 9392
  TGT_BAF : 17
  MOMOTA : 164
  OKUNO : 2
  FC : 0
  MOMOTA1 : 201179
  MOMOTA2 : 31963716
  MOMOTA3 : 27785436
  OKUNO1 : 124
  OKUNO2 : 25
  OKUNO3 : 31
  F3PPB T : 208239
  LIVE_TGT_NAI : 7153
  LIVE_TGT_BAF : 14
  LIVE_MOMOTA : 122
  LIVE_OKUNO : 2
  LIVE_FC : 0
  LIVE_MOMOTA1 : 167029
  LIVE_MOMOTA2 : 26565123
  LIVE_MOMOTA3 : 23099357
  LIVE_OKUNO1 : 96
  LIVE_OKUNO2 : 16
  LIVE_OKUNO3 : 24
  LIVE_CLOCK : 306073
  
```

JUNK.

Changed parameters during run.

adjust beam intensity

close slits to  $\pm 2$  mm.

monitors rate  $\sim 2/\text{sec}$ .

I believe scalars were not saved.

RIPS Control Summary				2004/06/08 11:51:42			
Parameter	Set	Curr.	Read	Target	F2		
Q1	1.3167	161.7187	161.571	Tgt 194.5	mm	FC	Out
Q2	1.5337	128.9609	127.556	FC Out		Rgt	50.0 mm
Q3	0.7725	122.4088	122.477	Up 24.0	mm	Lft	50.0 mm
SX1	0.0000	0.1469	0.000	Dwn 24.0	mm	PPAC	
D1	0.2777	383.9818	386.721	Rgt 24.0	mm	SSD	-94.8 mm
SX2	0.0000	0.1469	0.026	Lft 23.8	mm	Deg	Out -4.9 deg.
Q4	0.5572	66.8703	66.854	Lgt		Pla	IN
Q5	0.7942	83.6574	83.803				
Q6	0.6197	74.5498	74.723				
SX3	0.0000	0.1469	0.000				
D2	0.2777	399.2058	398.477	F1		F3	
SX4	0.0000	0.1469	0.000	D1 119.8	mm	PPAC1	IN
Q7	0.6468	102.4694	103.681	Id -134.9	mm	Rgt	49.9 mm
Q8	1.1259	106.8679	107.176	Rgt 3.0	mm	Lft	50.0 mm
Q9	1.0222	125.3229	125.575	Lft 3.0	mm	PPAC2	IN
Q10	1.1110	143.7689	145.493	Mon Out		SSD	Out
Q11	1.4205	157.7073	156.118	Deg Emp		Pla	IN
Q12	1.1106	143.7168	144.270	PPAC Out		Lgt	
Focus	Brho	TA-F1	2.4800	Im			
F1-F2	2.4800	Im	F2-F3	2.4800	Im		
				Rot 0	deg.		

exit

Run number:	225	Tape:	24	Name:	
Description:	Bp = 2.48, Be92, F2PC trigger, ±2mm slits				
Date:	6/8	Time:	1149		
Brho1:	2.48	Brho2:	2.48		
NMR1:	689.618	NMR2:	690.200		
Target:	Be(92)	Ta(166)	Be(115) Be(181)		
F1 slit:	-2, +2.1 mm	F1PPAC:	IN (OUT)		
Wedge:	(none)	100mg/Al	60mg/Al		
F2 slit:	(open)				
F2PPAC:	(IN) OUT	F3PPACs:	(IN) OUT		
F2 Scint:	(IN) OUT	F3 Scint:	(IN) OUT		
Rips control	yes/no	prisca	SCA file		
Trigger:	F1 PPAC/F1 Plastic/F2 Plastic				

Bias voltage table (please compare to previous values)					
U dE=	96.0V	I dE=	0.55 $\mu$ A		
U E1=	100	I E1=	2.63		
U E2=	97.2	I E2=	6.18		
U E3=	95.5	I E3=	0.24		
U E4=	95.6	I E4=	0.30		
F1_PPAC=	-748	NaI(Tl) 1=	600V		
F2_PPAC=	-749	NaI(Tl) 2=			
F3_PPACA=	-755	NaI(Tl) 3=			
F3_PPACB=	-755	BaF=	1352V		

Start -- Tue Jun 8 11:49:17 2004  
 Stop -- Tue Jun 8 12:22:11 2004

Scaler Name : Total

```

UNGATED : 2127539
GATED : 1464341
NONE : 24002
F1PP T : 656
F2 SI : 0
CLEARS : 1464123
F2PP T : 2150428
F3PPA T : 2142883
E1 : 1963583
PL 2 : 2142633
PL 3 : 2172278
CLOCK : 1971116
TGT NAI : 142108
TGT BAF : 485
MOMOTA : 3354
OKUNO : 93
FC : 2
MOMOTA1 : 1104232
MOMOTA2 : 171618626
MOMOTA3 : 149280769
OKUNO1 : 2893
OKUNO2 : 695
OKUNO3 : 541
F3PPB T : 2143384
LIVE TGT NAI : 97386
LIVE TGT BAF : 342
LIVE MOMOTA : 2249
LIVE OKUNO : 57
LIVE FC : 1
LIVE MOMOTA1 : 767513
LIVE MOMOTA2 : 119140566
LIVE MOMOTA3 : 103709899
LIVE OKUNO1 : 1950
LIVE OKUNO2 : 468
LIVE OKUNO3 : 368
LIVE_CLOCK : 1370309

```



# RIPS Control Summary

2004/06/08 12:01:44

Parameter	Set Curr.	Read Curr.
Q1	1.3167	161.7187
Q2	1.5337	128.9609
Q3	0.7725	122.4086
SX1	0.0000	0.1469
D1	0.2777	383.9816
SX2	0.0000	0.1469
Q4	0.5572	66.8703
Q5	0.7942	83.6574
Q6	0.6197	74.5498
SX3	0.0000	0.1469
D2	0.2777	399.2058
SX4	0.0000	0.1469
Q7	0.6468	102.4694
Q8	1.1259	106.8675
Q9	1.0222	125.3225
Q10	1.1110	143.7685
Q11	1.4205	157.7073
Q12	1.1106	143.7166

Target		F2	
Tgt	194.5 mm	FC	Out
FC	Out	Rgt	50.0 mm
Up	24.0 mm	Lft	50.0 mm
Dwn	24.0 mm	PPAC	
Rgt	24.0 mm	SSD	-94.8 mm
Lft	23.8 mm	Deg	Out
Lgt		Pla	-4.9 deg.
			IN
F1		F3	
D1	119.8 mm	PPAC1	IN
ld	-134.9 mm	Rgt	49.9 mm
Rgt	2.1 mm	Lft	50.0 mm
Lft	2.0 mm	PPAC2	IN
Mem	Out	SSD	Out
Deg	Emp	Pla	IN
PPAC	Out	Lgt	
Rot	0 deg.		

Focus Brho TA-F1 2.4800 Tm  
 F1-F2 2.4800 Tm F2-F3 2.4800 Tm

exit

*att*  
1  
6,000

*att.* 1  
6,000

Run number:	226	Tape:	24	Name:	JMC
Description:	Bp=2.45, Ta166, F2PC trig, PID ~5min.				
Date:	618	Time:	1229		
Brho1:	2.45	Brho2:	2.45		
NMR1:	681.428	NMR2:	681.950		
Target:	Be(92)	Ta(166)	Be(115) Be(181)		
F1 slit:	±2 mm	F1PPAC:	IN OUT		
Wedge:	none	100mg/Al	60mg/Al		
F2 slit:	open				
F2PPAC:	IN OUT	F3PPACs:	IN OUT		
F2 Scint:	IN OUT	F3 Scint:	IN OUT		
Rips control	yes/no	prisca	SCA file		
Trigger:	F1 PPAC/F1Plastic/F2 Plastic				

Bias voltage table (please compare to previous values)

U_dE=		I_dE=	
U_E1=		I_E1=	
U_E2=		I_E2=	
U_E3=		I_E3=	
U_E4=		I_E4=	
F1_PPAC=		NaI(Tl)_1=	
F2_PPAC=		NaI(Tl)_2=	
F3_PPACA=		NaI(Tl)_3=	
F3_PPACB=		BaF=	

Run226

Start -- Tue Jun 8 12:29:30 2004  
 Stop -- Tue Jun 8 12:38:19 2004

Scaler Name : Total

```

UNGATED : 318477
GATED : 253528
NONE : 4156
F1PP T : 906
F2_SI : 0
CLEARS : 253517
F2PP T : 332422
F3PPA T : 328225
E1 : 301700
PL 2 : 317658
PL 3 : 333643
_CLOCK : 527865
TGT_NAI : 269567
TGT_BAF : 874
MOMOTA : 11781
OKUNO : 1201
FC : 2
MOMOTA1 : 291268
MOMOTA2 : 45661680
MOMOTA3 : 48335192
OKUNO1 : 20176
OKUNO2 : 5181
OKUNO3 : 2490
F3PPB T : 326446
LIVE_TGT_NAI : 214029
LIVE_TGT_BAF : 682
LIVE_MOMOTA : 9370
LIVE_OKUNO : 943
LIVE_FC : 1
LIVE_MOMOTA1 : 233961
LIVE_MOMOTA2 : 36631953
LIVE_MOMOTA3 : 38796472
LIVE_OKUNO1 : 16025
LIVE_OKUNO2 : 4120
LIVE_OKUNO3 : 1957
LIVE_CLOCK : 423901

```

RIPS Control Summary				2004/06/08 12:41:32			
Parameter	Set	Curr.	Read	Target	F2		
Q1	1.3167	159.750	159.676	Tgt 95.8	mm	FC	Out
Q2	1.5337	127.398	125.657	FC	Out	Rgt	50.0
Q3	0.7725	120.926	121.351	Up	24.0	mm	Lft
SX1	0.0000	0.1469	0.000	Dwn	24.0	mm	PPAC
D1	0.2777	379.328	382.225	Rgt	24.0	mm	SSD
SX2	0.0000	0.1469	0.026	Lft	23.8	mm	Deg
Q4	0.5572	66.0421	66.036	Lgt	On	Pls	IN
Q5	0.7942	82.6266	82.751				
Q6	0.6197	73.6287	73.798				
SX3	0.0000	0.1469	0.000				
D2	0.2777	394.374	393.717				
SX4	0.0000	0.1469	0.000				
Q7	0.6468	101.228	102.705				
Q8	1.1259	105.577	105.989				
Q9	1.0222	123.794	123.977				
Q10	1.1110	142.027	143.936				
Q11	1.4205	155.803	153.537				
Q12	1.1106	141.976	142.490				
Focus				Brho TA-F1 2.4500 Tm			
F1-F2 2.4500 Tm				F2-F3 2.4500 Tm			
				Rot 0 deg.			
				PPAC Out			
				F1			
				F3			
				D1 119.8 mm			
				Id -134.9 mm			
				Rgt 2.1 mm			
				Lft 2.0 mm			
				Mon Out			
				Deg Exp			
				PPAC Out			
				PPAC1 IN			
				Rgt 49.9 mm			
				Lft 50.0 mm			
				PPAC2 IN			
				SSD Out			
				Pls IN			
				Lgt			

att.  $\frac{1}{18,000}$

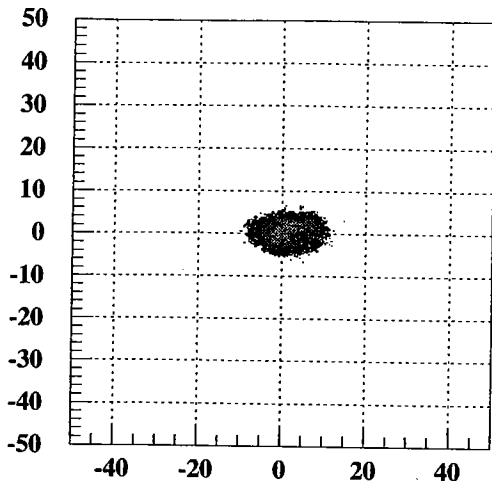
Light was on during this run.

exit

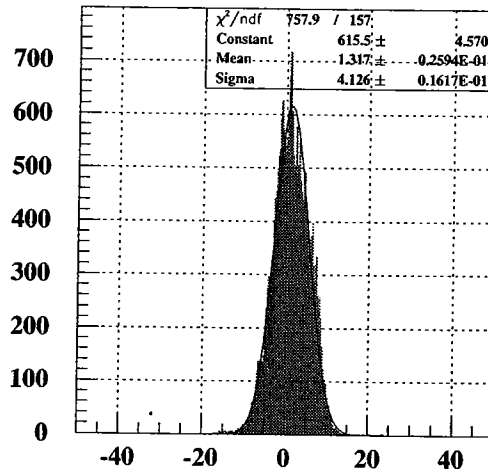
Run number:	227	Tape:	24	Name:	JMC
Description:	Bp=2.52, Be92, F2PL trig.				
Date:	6/8	Time:	1250		
Brho1:	2.52	Brho2:	2.52		
NMR1:	700.569	NMR2:	701.2		
Target:	Be(92)	Ta(166)	Be(115) Be(181)		
F1 slit:	±2 mm	F1PPAC:	IN OUT		
Wedge:	none	100mg/Al	60mg/Al		
F2 slit:	open				
F2PPAC:	IN OUT	F3PPACs:	IN OUT		
F2 Scint:	IN OUT	F3 Scint:	IN OUT		
Rips control	yes/no	prisca	SCA file		
Trigger:	F1 PPAC/F1Plastic(F2 Plastic)				

Bias voltage table (please compare to previous values)			
U dE=	96.0V	I dE=	6.57
U E1=	100	I E1=	2.68
U E2=	97.2	I E2=	1.26
U E3=	95.5	I E3=	0.24
U E4=	95.6	I E4=	0.30
F1_PPAC=	-748	NaI(Tl)_1=	600V
F2_PPAC=	-749	NaI(Tl)_2=	
F3_PPACA=	-755	NaI(Tl)_3=	
F3_PPACB=	-755	BaF=	1352

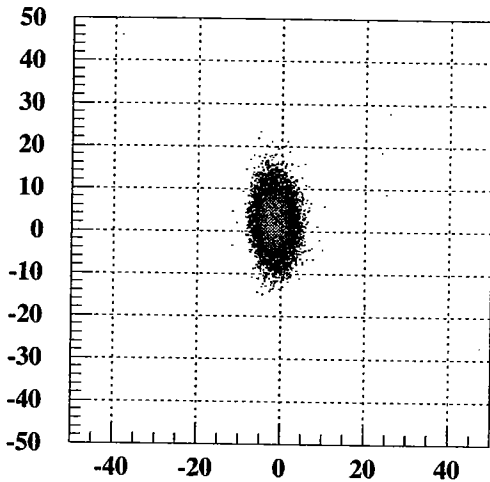
6/08, 04 13:20		prisca	
Run227			
Start	-- Tue Jun 8 12:50:34 2004		
Stop	-- Tue Jun 8 13:20:03 2004		
Scaler Name :	Total		
UNGATED :	2389393		
GATED :	1517518		
NONE :	24872		
F1PP T :	3667		
F2 SI :	0		
CLEAR :	1517193		
F2PP T :	2412304		
F3PPA T :	2410197		
E1 :	2188569		
PL_2 :	2406183		
PL_3 :	2443286		
CLOCK :	1766308		
TGT_NAI :	982083		
TGT_BAF :	2648		
MOMOTA :	20775		
OKUNO :	537		
FC :	24		
MOMTAL :	946650		
MOMTA2 :	152510284		
MOMTA3 :	132471588		
OKUNO1 :	17243		
OKUNO2 :	3808		
OKUNO3 :	2649		
F3PP T :	2410406		
LIVE_TGT_NAI :	619727		
LIVE_TGT_BAF :	1705		
LIVE_MOMOTA :	13125		
LIVE_OKUNO :	335		
LIVE_FC :	13		
LIVE_MOMTAL :	606559		
LIVE_MOMTA2 :	97635384		
LIVE_MOMTA3 :	84876604		
LIVE_OKUNO1 :	10961		
LIVE_OKUNO2 :	2374		
LIVE_OKUNO3 :	1671		
LIVE_CLOCK :	1132181		



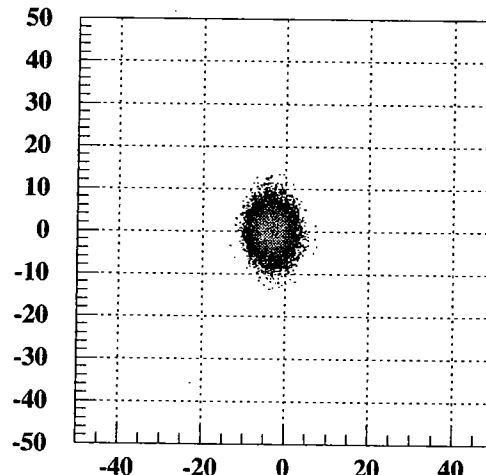
Histogram ID = 113  
pc2 xy



Histogram ID = 134  
Prox.(pc2 xy)



Histogram ID = 114  
pc3a xy



Histogram ID = 115  
pc3b xy

### RIPS Control Summary

2004/06/08 12:55:46

Parameter	Set	Curr.	Read	Curr.
Q1	1.3167	164.3432	164.245	
Q2	1.5337	131.0446	129.454	
Q3	0.7725	124.3856	124.643	
SX1	0.0000	0.1469	0.000	
D1	0.2777	390.1852	393.070	
SX2	0.0000	0.1469	0.000	
Q4	0.5572	67.9746	67.890	
Q5	0.7942	85.0318	85.164	
Q6	0.6197	75.7780	75.973	
SX3	0.0000	0.1469	0.000	
D2	0.2777	405.6472	405.087	
SX4	0.0000	0.1469	0.000	
Q7	0.6468	104.1242	104.738	
Q8	1.1259	108.5874	108.995	
Q9	1.0222	127.3603	127.548	
Q10	1.1110	146.0894	147.941	
Q11	1.4205	160.2464	158.428	
Q12	1.1106	146.0366	146.606	

Focus	Brho	TA-F1	2.5200	Im
F1-F2	2.5200	Im	F2-F3	2.5200

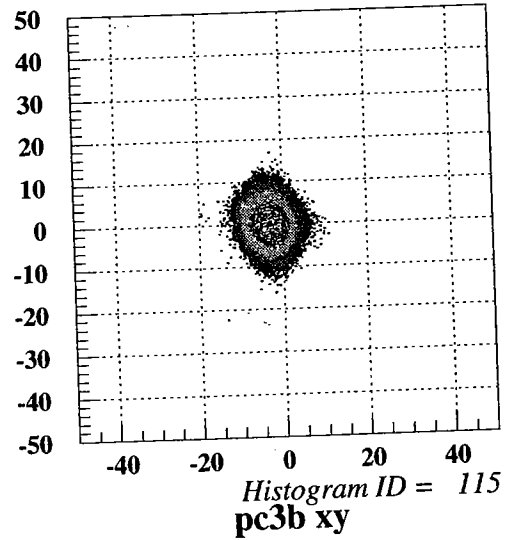
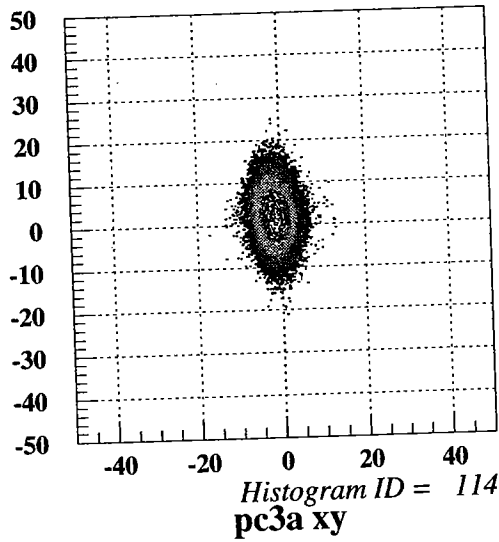
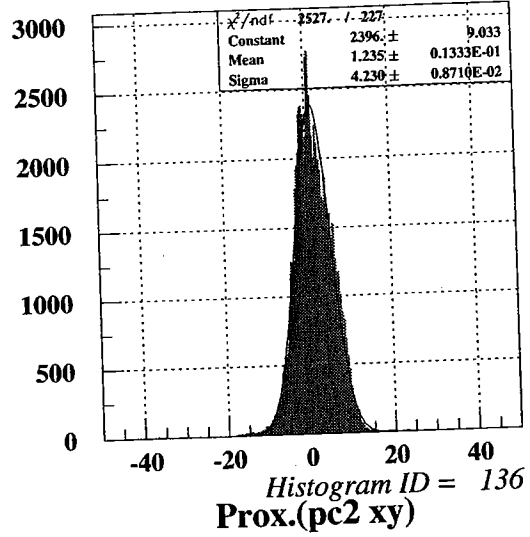
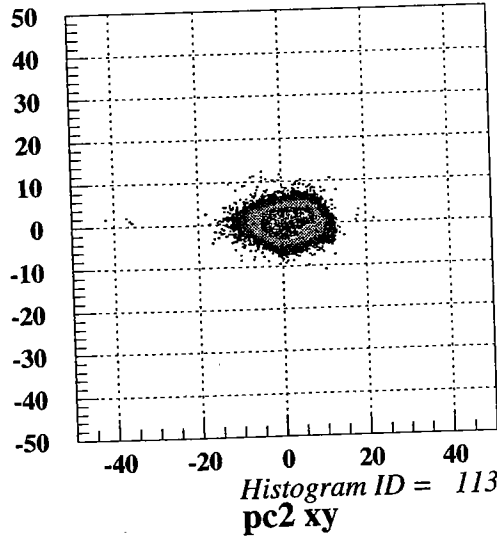
Target	F2
Tgt 194.5	mm
FC Out	Rgt 50.1 mm
Up 24.0	mm
Dwn 24.0	mm
Rgt 24.0	mm
Lft 23.8	mm
Lgt	Pla IN

F1	F3
D1 119.9	mm
ld -134.9	mm
Rgt 2.1	mm
Lft 2.0	mm
Mon Out	PPAC1 IN
Deg Exp	Rgt 49.9 mm
PPAC Out	Lft 50.0 mm
Rot 0	deg.
	SSD Out
	Pla IN
	Lgt

Run number:	228	Tape:	24	Name:	MRT
Description:	Bp=2.54 Be92				
Date:	6/8	Time:	03:		
Brho1:	2.54	Brho2:	2.54		
NMR1:	706.018	NMR2:	706.614		
Target:	Be(92)	Ta(166)	Be(115) Be(181)		
F1 slit:	± 2 mm	F1PPAC:	IN OUT		
Wedge:	none	100mg/Al	60mg/Al		
F2 slit:	open				
F2PPAC:	IN OUT	F3PPACs:	IN OUT		
F2 Scint:	IN OUT	F3 Scint:	IN OUT		
Rips control	yes/no	prisca	SCA file		
Trigger:	F1 PPAC/F1Plastic/F2 Plastic				

Bias voltage table (please compare to previous values)			
U dE=		I dE=	
U E1=		I E1=	
U E2=		I E2=	
U E3=		I E3=	
U E4=		I E4=	
F1_PPAC=		NaI(Tl)_1=	
F2_PPAC=		NaI(Tl)_2=	
F3_PPACA=		NaI(Tl)_3=	
F3_PPACB=		BaF=	

Terminated by charge status  
Stop run force status



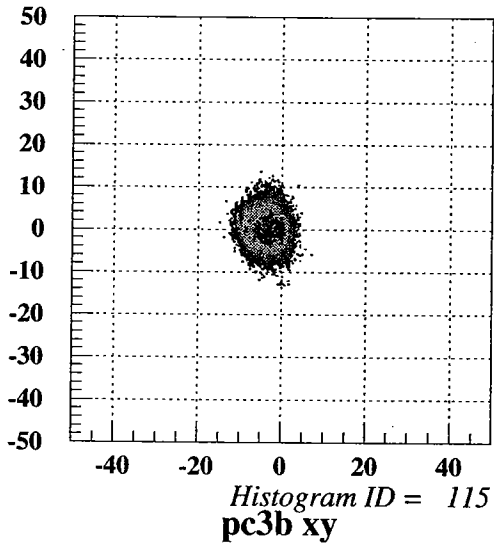
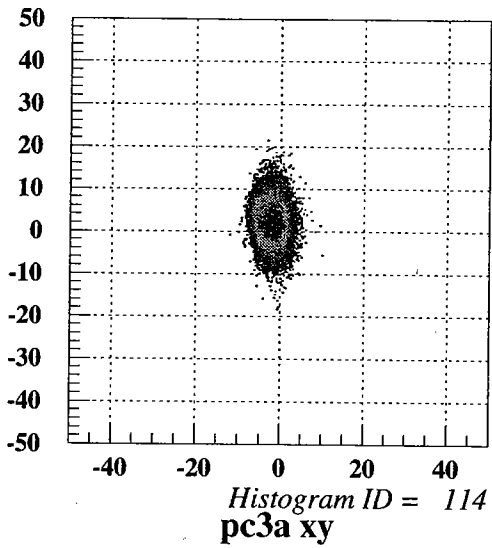
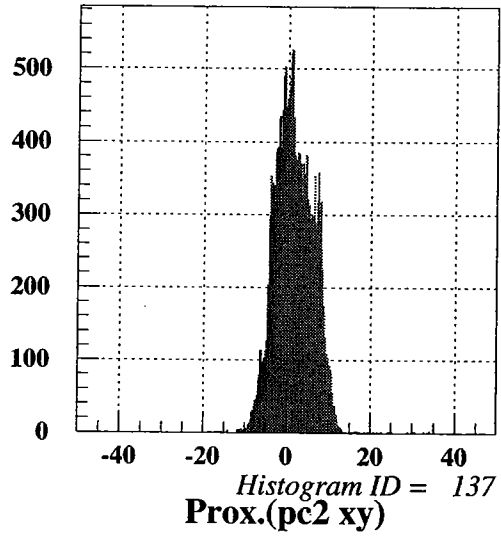
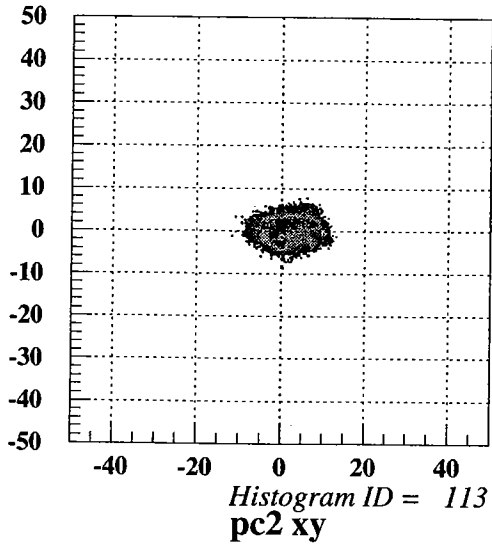
```

PL_2 : 400277
PL_3 : 406455
CLOCK : 318795
TGT_NAI : 144721
TGT_BAF : 385
MOMOTA : 2923
OKUNO : 82
FC : 5
MOMOTA1 : 173138
MOMOTA2 : 27510930
MOMOTA3 : 23882659
OKUNO1 : 2539
OKUNO2 : 572
OKUNO3 : 365
F3PPB_T : 400906
LIVE_TGT_NAI : 94604
LIVE_TGT_BAF : 252
LIVE_MOMOTA : 1905
LIVE_OKUNO : 50
LIVE_FC : 3
LIVE_MOMOTA1 : 114789
LIVE_MOMOTA2 : 18182572
LIVE_MOMOTA3 : 15794775
LIVE_OKUNO1 : 1675
LIVE_OKUNO2 : 356
LIVE_OKUNO3 : 240
LIVE_CLOCK : 211095
    
```

Run number:	229	Tape:	2-0	Name:	MBT
Description:	BP=2.59				
Date:	6/8	Time:	1339		
Brho1:	2.59	Brho2:	2.59		
NMR1:	719.75	NMR2:	720.4		
Target:	Be(92)	Ta(166)	Be(115) Be(181)		
F1 slit:	+2 mm	F1PPAC:	IN OUT		
Wedge:	none	100mg/Al	60mg/Al		
F2 slit:	open				
F2PPAC:	IN OUT	F3PPACs:	IN OUT		
F2 Scint:	IN OUT	F3 Scint:	IN OUT		
Rips control	yes/no	prisca	SCA file		
Trigger:	F1 PPAC/F1Plastic/F2 Plastic				

Bias voltage table (please compare to previous values)	
U dE=	I dE=
U E1=	I E1=
U E2=	I E2=
U E3=	I E3=
U E4=	I E4=
F1_PPAC=	NaI(Tl) 1=
F2_PPAC=	NaI(Tl) 2=
F3_PPACA=	NaI(Tl) 3=
F3_PPACB=	BaF=





```

F1PP T :      12429
F2_SI  :      0
CLEARs :     850219
F2PP T :    1168394
F3PPA T :    1174857
  E1    :    1103919
  PL_2  :    1161569
  PL_3  :    1197503
  CLOCK :    1354742
TGT_NAI :    3747597
TGT_BAF :      9754
MOMOTA  :     76711
OKUNO   :     1892
  FC    :          9
MOMOTA1 :     871775
MOMOTA2 :   118054707
MOMOTA3 :   102803607
OKUNO1  :     63960
OKUNO2  :     14432
OKUNO3  :     9333
F3PPB T :    1170788
LIVE_TGT_NAI : 2742210
LIVE_TGT_BAF :    7096
LIVE_MOMOTA :    56096
LIVE_OKUNO :    1365
LIVE_FC   :          7
LIVE_MOMOTA1 : 645350
LIVE_MOMOTA2 : 87560048
LIVE_MOMOTA3 : 76275261
LIVE_OKUNO1 : 46870
LIVE_OKUNO2 : 10526
LIVE_OKUNO3 : 6826
LIVE_CLOCK : 1006443
    
```

Run number:	230	Tape:	25	Name:	SMC
Description:	Bp=2.63, Be92, FZPL trigger				
Date:	6/8	Time:	1410		
Brho1:	2.63	Brho2:	2.63		
NMR1:	730.743	NMR2:	731.000		
Target:	Be(92)	Ta(166)	Be(115) Be(181)		
F1 slit:	± 2 mm	F1PPAC:	IN OUT		
Wedge:	none	100mg/Al	60mg/Al		
F2 slit:	open				
F2PPAC:	IN OUT	F3PPACs:	IN OUT		
F2 Scint:	IN OUT	F3 Scint:	IN OUT		
Rips control	yes/no	prisca	SCA file		
Trigger:	F1 PPAC/F1Plastic/F2 Plastic				

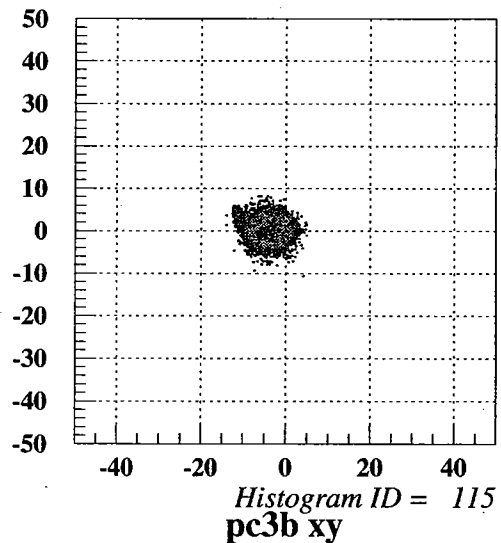
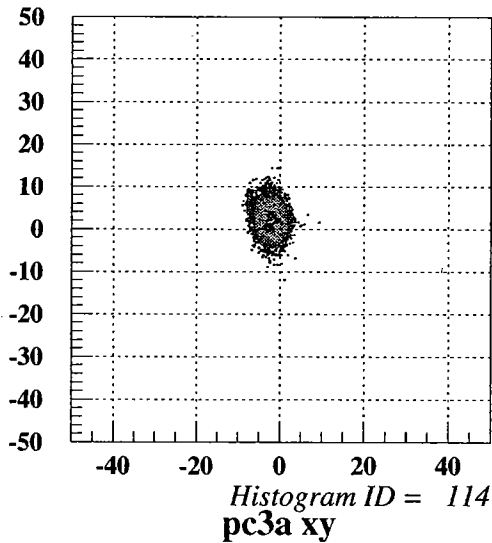
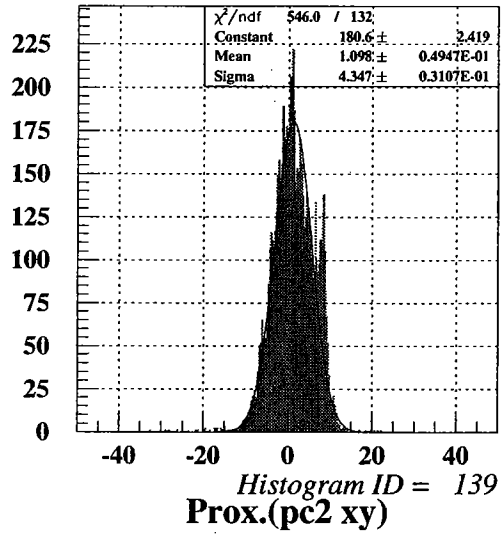
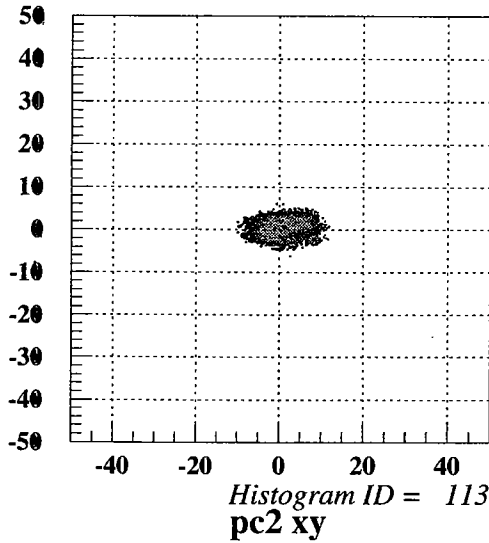
Bias voltage table (please compare to previous values)			
U dE=	96.0V	I dE=	0.56μA
U E1=	100	I E1=	2.64
U E2=	97.2	I E2=	1.41
U E3=	95.5	I E3=	6.24
U E4=	96.6	I E4=	0.30
F1_PPAC=	-748	NaI(Tl)_1=	600V
F2_PPAC=	-749	NaI(Tl)_2=	
F3_PPACA=	-755	NaI(Tl)_3=	
F3_PPACB=	-755	BaF=	1352.0V

Start -- Tue Jun 8 14:10:16 2004  
 Stop -- Tue Jun 8 14:37:35 2004

Scaler Name : Total

```

UNGATED : 1281803
GATED : 957410
NONE : 15694
F1PP_T : 4431
F2_SI : 0
CLEARS : 957335
F2PP_T : 1293968
F3PPA_T : 1305375
E1 : 1225411
PL_2 : 1285738
PL_3 : 1335821
CLOCK : 1586427
TGT_NAI : 6378079
TGT_BAF : 16376
MOMOTA : 126332
OKUNO : 3208
FC : 8
MOMOTA1 : 1118442
MOMOTA2 : 139102606
MOMOTA3 : 121361453
OKUNO1 : 106599
OKUNO2 : 23861
OKUNO3 : 15419
F3PPB_T : 1298404
LIVE_TGT_NAI : 4739867
LIVE_TGT_BAF : 12180
LIVE_MOMOTA : 93764
LIVE_OKUNO : 2407
LIVE_FC : 5
LIVE_MOMOTA1 : 839380
LIVE_MOMOTA2 : 104556451
LIVE_MOMOTA3 : 91250408
LIVE_OKUNO1 : 79525
LIVE_OKUNO2 : 17824
LIVE_OKUNO3 : 11631
LIVE_CLOCK : 1194641
  
```



### RIPS Control Summary

2004/06/08 14:20:56

Parameter	Set Curr.	Read Curr.
Q1	1.3167	171.5610 171.376
Q2	1.5337	136.7725 134.794
Q3	0.7725	129.8201 130.186
SX1	0.0000	0.1469 0.000
D1	0.2777	407.2451 409.999
SX2	0.0000	0.1469 0.000
Q4	0.5572	71.0113 70.943
Q5	0.7942	88.8113 89.002
Q6	0.6197	79.1554 79.454
SX3	0.0000	0.1469 0.042
D2	0.2777	423.3607 423.068
SX4	0.0000	0.1469 0.000
Q7	0.6468	108.6750 109.699
Q8	1.1259	113.3180 113.582
Q9	1.0222	132.9635 133.282
Q10	1.1110	152.4719 154.503
Q11	1.4205	167.2287 165.358
Q12	1.1106	152.4169 153.168

Target		F2	
Tgt 194.5	mm	FC	Out
FC	Out	Rgt	50.1 mm
Up 24.0	mm	Lft	50.0 mm
Dwn 24.0	mm	PPAC	
Rgt 24.0	mm	SSD	-94.7 mm
Lft 23.8	mm	Deg	Out
Lgt		Pla	-4.9 deg.
			IN
F1		F3	
D1 119.9	mm	PPAC1	IN
ld -134.9	mm	Rgt	49.9 mm
Rgt 2.1	mm	Lft	50.0 mm
Lft 2.0	mm	PPAC2	IN
Mon	Out	SSD	Out
Deg	Emp	Pla	IN
PPAC	Out	Lgt	
Rot 0	deg.		

Focus Brho TA-F1 2.6300 Tm  
F1-F2 2.6300 Tm F2-F3 2.6300 Tm

Update

exit

*lost scan at end of run.  
LISA R. Felton*

Run number:	231	Tape:	25	Name:	JMC
Description:	B <sub>p</sub> = 2.61, Be92, F2 PL + vsj				
Date:	6/8	Time:	1457		
Brho1:	2.61	Brho2:	2.61		
NMR1:	725.33	NMR2:	725.630		
Target:	Be(92)	Ta(166)	Be(115) Be(181)		
F1 slit:	± 2 mm	F1PPAC:	IN OUT		
Wedge:	none	100mg/Al	60mg/Al		
F2 slit:	open				
F2PPAC:	IN OUT	F3PPACs:	IN OUT		
F2 Scint:	IN OUT	F3 Scint:	IN OUT		
Rips control	yes/no	prisca	SCA file		
Trigger:	F1 PPAC/F1Plastic/F2 Plastic				

Bias voltage table (please compare to previous values)			
U dE=	96.0V	I dE=	0.55
U E1=	100	I E1=	2.62
U E2=	97.2	I E2=	1.46
U E3=	95.6	I E3=	0.29
U E4=	95.5	I E4=	0.30
F1_PPAC=	-748	NaI(Tl)_1=	100V
F2_PPAC=	745	NaI(Tl)_2=	
F3_PPACA=	-755	NaI(Tl)_3=	
F3_PPACB=	-755	BaF=	1355V

Start -- Tue Jun 8 14:57:03 2004  
Stop -- Tue Jun 8 15:27:47 2004

Scaler Name : Total

```

UNGATED : 1380044
GATED : 1054027
NONE : 17278
F1PP T : 34906
F2 SI : 0
CLEARS : 1053959
F2PP T : 1396149
F3PPA T : 1406140
E1 : 1331015
PL_2 : 1384725
PL_3 : 1437054
CLOCK : 1841729
TGT_NAI : 7
TGT_BAF : 16121
MOMOTA : 129166
OKUNO : 3362
FC : 36
MOMOTA1 : 1254762
MOMOTA2 : 160814186
MOMOTA3 : 140781472
OKUNO1 : 107755
OKUNO2 : 24429
OKUNO3 : 15798
F3PPB T : 1399270
LIVE_TGT_NAI : 6
LIVE_TGT_BAF : 12275
LIVE_MOMOTA : 98148
LIVE_OKUNO : 2558
LIVE_FC : 27
LIVE_MOMOTA1 : 959682
LIVE_MOMOTA2 : 122975514
LIVE_MOMOTA3 : 107686517
LIVE_OKUNO1 : 81964
LIVE_OKUNO2 : 18556
LIVE_OKUNO3 : 12098
LIVE_CLOCK : 1409594

```

RIPS Control Summary				2004/06/08 15:05:42	
Parameter	Set	Curr.	Read	Target	F2
Q1	1.3167	170.248	170.039	Tgt 194.5 mm	FC Out
Q2	1.5337	135.730	133.844	FC Out	Rgt 50.1 mm
Q3	0.7725	128.831	129.147	Up 24.0 mm	Lft 50.0 mm
SX1	0.0000	0.1469	0.000	Dwn 24.0 mm	PPAC
D1	0.2777	404.143	407.089	Rgt 24.0 mm	SSD -94.7 mm
SX2	0.0000	0.1469	0.000	Lft 23.8 mm	Deg Out
Q4	0.5572	70.4592	70.343	Lgt	Deg -4.9 deg.
Q5	0.7942	88.1241	88.259		Pla IN
Q6	0.6197	78.5413	78.856		
SX3	0.0000	0.1469	0.042		
D2	0.2777	420.140	419.630	F1	F3
SX4	0.0000	0.1469	0.000	D1 119.9 mm	PPAC1 IN
Q7	0.6468	107.847	108.723	ld -134.9 mm	Rgt 49.9 mm
Q8	1.1259	112.457	112.633	Rgt 2.1 mm	Lft 50.0 mm
Q9	1.0222	131.944	132.154	Lft 2.0 mm	PPAC2 IN
Q10	1.1110	151.311	153.280	Mom Out	SSD Out
Q11	1.4205	165.959	163.863	Deg Exp	Pla IN
Q12	1.1106	151.256	151.945	PPAC Out	Lgt
Focus	Brho	TA-F1 2.6100	Tm	Rot 0 deg.	
F1-F2 2.6100	Tm	F2-F3 2.6100	Tm		

att.  $\frac{1}{600}$

6/8 1530 Beam Monitor Calibration  
 - F2 gate valve closed  
 -  $B_p = 1.81$

repeat okuno calibration (pg 89 of Log book II)

D61 130 enA      Att.  $\frac{1}{10}$   
 RIPS 72 enA

Target Be(92)

Run #	BBeam Int.	BI Range	Att.	Scin Input	FC In/out	NaI on/off
232	Junk					
233	<del>100</del> 70 enA	100 nA	$\frac{1}{10}$	In	In	off
234	104 enA	300	$\frac{1}{2}$	In	In	off
235	210 enA	300	$\frac{1}{3}$	In	In	off
236	JUNK			In	In	off
237	672 enA			In	In	off
238	<del>200</del>	X	$\frac{1}{10}$	In	Out	off
239		X	$\frac{1}{8}$	In	Out	off
240		X	$\frac{1}{4}$	In	Out	off
241			<del><math>\frac{1}{10}</math></del> <del><math>\frac{1}{10}</math></del>	In	Out	off
242			$\frac{1}{180}$	In	Out	off
243			$\frac{1}{600}$	In	Out	off
244	slit $\pm 5$ mm		$\frac{1}{1200}$	In	Out	off
245	slit $\pm 50$ mm		$\frac{1}{2000}$	"	"	
turn on NaI						
246			$\frac{1}{20000}$	"	"	600 V
247			$\frac{1}{40000}$	"	"	"
248	<del><math>\frac{1}{20}</math></del> <del>6000</del>		$\frac{1}{20}$ $\frac{1}{6000}$	"	"	
249	$\pm 5$ mm.		$\frac{1}{6}$			
250	$\pm 1$ mm.		$\frac{1}{6}$			
251	$\pm 1$ mm.		$\frac{1}{3}$			
252	"		$\frac{1}{2}$			
253	Junk					
254	$\pm 1$ mm					

Run232

Start -- Tue Jun 8 15:42:07 2004  
Stop -- Tue Jun 8 15:42:57 2004

Scaler Name : Total

*Sunk*

```

UNGATED : 5246
GATED : 5246
NONE : 86
F1PP T : 2
F2 SI : 0
CLEARS : 5247
F2PP T : 22155
F3PPA T : 6
E1 : 0
PL_2 : 0
PL_3 : 0
CLOCK : 50330
TGT NAI : 22
TGT_BAF : 28422
MOMOTA : 134769
OKUNO : 3524
FC : 30028
MOMOTA1 : 311743
MOMOTA2 : 7570926
MOMOTA3 : 6831694
OKUNO1 : 128376
OKUNO2 : 36156
OKUNO3 : 30663
F3PPB T : 3
LIVE TGT NAI : 22
LIVE TGT_BAF : 27114
LIVE MOMOTA : 128717
LIVE OKUNO : 3362
LIVE FC : 28762
LIVE_MOMOTA1 : 297885
LIVE_MOMOTA2 : 7271671
LIVE_MOMOTA3 : 6540958
LIVE_OKUNO1 : 122541
LIVE_OKUNO2 : 34480
LIVE_OKUNO3 : 29102
LIVE_CLOCK : 50191

```

Run233

Start -- Tue Jun 8 15:44:14 2004  
Stop -- Tue Jun 8 15:45:02 2004

Scaler Name : Total

```

UNGATED : 5490
GATED : 5490
NONE : 90
F1PP T : 4
F2 SI : 0
CLEARS : 5491
F2PP T : 21227
F3PPA T : 8
E1 : 1
PL_2 : 0
PL_3 : 0
CLOCK : 47769
TGT NAI : 33
TGT_BAF : 32929
MOMOTA : 157739
OKUNO : 4154
FC : 34785
MOMOTA1 : 357563
MOMOTA2 : 7898521
MOMOTA3 : 7151709
OKUNO1 : 149391
OKUNO2 : 42308
OKUNO3 : 35473
F3PPB T : 0
LIVE TGT NAI : 31
LIVE TGT_BAF : 31229
LIVE MOMOTA : 150073
LIVE OKUNO : 3977
LIVE FC : 33110
LIVE_MOMOTA1 : 340511
LIVE_MOMOTA2 : 7548164
LIVE_MOMOTA3 : 6812765
LIVE_OKUNO1 : 142078
LIVE_OKUNO2 : 40199
LIVE_OKUNO3 : 33831
LIVE_CLOCK : 47111

```

### RIPS Control Summary

2004/06/08 15:56:25

Parameter	Set	Curr.	Read	Curr.
Q1	1.3167	117.7562	117.779	
Q2	1.5337	94.0689	92.671	
Q3	0.7725	89.3036	89.303	
SX1	0.0000	0.1469	0.000	
D1	0.2777	280.0715	281.973	
SX2	0.0000	0.1469	0.000	
Q4	0.5572	48.3737	48.368	
Q5	0.7942	60.6366	60.779	
Q6	0.6197	53.9786	54.275	
SX3	0.0000	0.1469	0.021	
D2	0.2777	291.3142	290.330	
SX4	0.0000	0.1469	0.079	
Q7	0.6468	74.7512	75.464	
Q8	1.1259	78.0552	78.147	
Q9	1.0222	91.1929	91.267	
Q10	1.1110	104.8931	106.005	
Q11	1.4205	115.1781	113.590	
Q12	1.1106	104.8552	106.005	

Target	F2
Tgt 194.5 mm	FC IN
FC IN	Rgt 50.1 mm
Up 24.0 mm	Lft 50.0 mm
Dwn 24.0 mm	PPAC
Rgt 24.0 mm	SSD -94.7 mm
Lft 23.8 mm	Deg Out
Lgt	Pla IN deg.
F1	F3
D1 119.9 mm	PPAC1 IN
ld -134.9 mm	Rgt 49.9 mm
Rgt 2.1 mm	Lft 50.0 mm
Lft 2.0 mm	PPAC2 IN
Mom Out	SSD Out
Deg Exp	Pla IN
PPAC Out	Lgt

Focus Erho TA-F1 1.8100 Tm  
F1-F2 1.8100 Tm F2-F3 1.8100 Tm

exit

Valid For Runs 232 - 237.

*D1 = 503.582*  
*D2 = 503.870*

Run234

Start -- Tue Jun 8 15:56:37 2004  
Stop -- Tue Jun 8 15:57:18 2004

Scaler Name :	Total
UNGATED :	4270
GATED :	4270
NONE :	70
F1PP T :	1
F2 SI :	0
CLEARs :	4271
F2PP T :	18001
F3PPA T :	5
E1 :	0
PL 2 :	0
PL 3 :	0
CLOCK :	40753
TGT NAI :	89
TGT BAF :	39929
MOMOTA :	200340
OKUNO :	5035
FC :	14124
MOMOTA1 :	418751
MOMOTA2 :	8663306
MOMOTA3 :	7893405
OKUNO1 :	179433
OKUNO2 :	50728
OKUNO3 :	42839
F3PPB T :	2
LIVE TGT NAI :	85
LIVE TGT BAF :	38266
LIVE MOMOTA :	191484
LIVE OKUNO :	4828
LIVE FC :	13514
LIVE MOMOTA1 :	400732
LIVE MOMOTA2 :	8320887
LIVE MOMOTA3 :	7556000
LIVE OKUNO1 :	171623
LIVE OKUNO2 :	48520
LIVE OKUNO3 :	40963
LIVE_CLOCK :	40616

Run235

Start -- Tue Jun 8 16:01:15 2004  
Stop -- Tue Jun 8 16:01:40 2004

Scaler Name :	Total
UNGATED :	2318
GATED :	2318
NONE :	38
F1PP T :	0
F2 SI :	0
CLEARs :	2319
F2PP T :	10304
F3PPA T :	2
E1 :	1
PL 2 :	0
PL 3 :	0
CLOCK :	23175
TGT NAI :	91
TGT BAF :	51956
MOMOTA :	247849
OKUNO :	5491
FC :	16245
MOMOTA1 :	468157
MOMOTA2 :	8930780
MOMOTA3 :	7566576
OKUNO1 :	208835
OKUNO2 :	58868
OKUNO3 :	49198
F3PPB T :	2
LIVE TGT NAI :	91
LIVE TGT BAF :	50064
LIVE MOMOTA :	238303
LIVE OKUNO :	5310
LIVE FC :	15694
LIVE MOMOTA1 :	450517
LIVE MOMOTA2 :	8614637
LIVE MOMOTA3 :	7276506
LIVE OKUNO1 :	200971
LIVE OKUNO2 :	56675
LIVE OKUNO3 :	47136
LIVE_CLOCK :	23175

Run236

Start -- Tue Jun 8 16:05:16 2004  
Stop -- Tue Jun 8 16:05:24 2004

Scaler Name :	Total
UNGATED :	854
GATED :	854
NONE :	14
F1PP T :	0
F2 SI :	0
CLEARs :	855
F2PP T :	3443
F3PPA T :	0
E1 :	0
PL 2 :	0
PL 3 :	0
CLOCK :	7859
TGT NAI :	34
TGT BAF :	68295
MOMOTA :	157400
OKUNO :	3733
FC :	3171
MOMOTA1 :	298063
MOMOTA2 :	4681268
MOMOTA3 :	4061590
OKUNO1 :	143617
OKUNO2 :	39853
OKUNO3 :	34077
F3PPB T :	0
LIVE TGT NAI :	29
LIVE TGT BAF :	65349
LIVE MOMOTA :	150513
LIVE OKUNO :	3558
LIVE FC :	3040
LIVE MOMOTA1 :	285752
LIVE MOMOTA2 :	4513314
LIVE MOMOTA3 :	3897906
LIVE OKUNO1 :	137307
LIVE OKUNO2 :	38060
LIVE OKUNO3 :	32830
LIVE_CLOCK :	7795

JUNK!

Run237

Start -- Tue Jun 8 16:05:54 2004  
Stop -- Tue Jun 8 16:06:11 2004

Scaler Name :	Total
UNGATED :	1708
GATED :	1708
NONE :	28
F1PP T :	0
F2 SI :	0
CLEARs :	1709
F2PP T :	7135
F3PPA T :	1
E1 :	0
PL 2 :	0
PL 3 :	0
CLOCK :	16304
TGT NAI :	81
TGT BAF :	235410
MOMOTA :	543421
OKUNO :	12834
FC :	10948
MOMOTA1 :	1024175
MOMOTA2 :	15286784
MOMOTA3 :	13227630
OKUNO1 :	495470
OKUNO2 :	137206
OKUNO3 :	117057
F3PPB T :	1
LIVE TGT NAI :	81
LIVE TGT BAF :	225387
LIVE MOMOTA :	520521
LIVE OKUNO :	12270
LIVE FC :	10500
LIVE MOMOTA1 :	983569
LIVE MOMOTA2 :	14744073
LIVE MOMOTA3 :	12707176
LIVE OKUNO1 :	474929
LIVE OKUNO2 :	131499
LIVE OKUNO3 :	111465
LIVE_CLOCK :	16244



# RIPS Control Summary

2004/06/08 16:23:27

Parameter	Set Curr.	Read Curr.	Target	F1	F2	F3
Q1	1.3167	117.7562	117.557		FC Out	
Q2	1.5337	94.0689	92.789	Tgt 194.6 mm	Rgt 50.0 mm	
Q3	0.7725	89.3036	89.389	FC Out	Lft 50.0 mm	
SX1	0.0000	0.1469	0.000	Up 24.0 mm	PPAC	
D1	0.2777	280.0715	281.709	Dwn 24.0 mm	SSD -94.8 mm	
SX2	0.0000	0.1469	0.000	Rgt 24.0 mm	Deg Out	
Q4	0.5572	48.3737	48.313	Lft 23.8 mm	Pla IN	
Q5	0.7942	60.6366	60.717	Lgt		
Q6	0.6197	53.9786	54.275			
SX3	0.0000	0.1469	0.000			
D2	0.2777	291.3142	290.595	F1		
Sx4	0.0000	0.1469	0.000	D1 119.8 mm	PPAC1 IN	
Q7	0.6468	74.7512	75.789	ld -134.9 mm	Rgt 49.9 mm	
Q8	1.1259	78.0552	78.147	Rgt 5.0 mm	Lft 50.0 mm	
Q9	1.0222	91.1929	91.173	Lft 5.0 mm	PPAC2 IN	
Q10	1.1110	104.8931	106.117	Mom Out	SSD Out	
Q11	1.4205	115.1781	113.862	Deg Emp	Pla IN	
Q12	1.1106	104.8552	106.005	PPAC Out	Lgt	
Focus	Brho	TA-F1 1.8100	Tm	Rot 0	deg.	
F1-F2 1.8100	Tm	F2-F3 1.8100	Tm			

Valid for Runs 238 - 249 through 58

Update exit

6/08, 04 16:24		prisca
Run238		
Start -- Tue Jun 8 16:23:26 2004		
Stop -- Tue Jun 8 16:24:13 2004		
Scaler Name :	Total	
UNGATED :	4636	
GATED :	4636	
NONE :	76	
F1PP T :	83	
F2 SI :	0	
CLEARs :	4637	
F2PP T :	913336	
F3PPA T :	47	
E1 :	4	
PL 2 :	788054	
PL 3 :	3	
CLOCK :	46351	
TGT_NAI :	0	
TGT_BAF :	33376	
MOMOTA :	240144	
OKUNO :	6095	
FC :	138	
MOMOTA1 :	456198	
MOMOTA2 :	8039794	
MOMOTA3 :	8256454	
OKUNO1 :	200793	
OKUNO2 :	45159	
OKUNO3 :	29071	
F3PPB T :	4	
LIVE_TGT_NAI :	0	
LIVE_TGT_BAF :	32064	
LIVE_MOMOTA :	230369	
LIVE_OKUNO :	5837	
LIVE_FC :	111	
LIVE_MOMOTA1 :	438090	
LIVE_MOMOTA2 :	7744596	
LIVE_MOMOTA3 :	7928883	
LIVE_OKUNO1 :	192999	
LIVE_OKUNO2 :	43400	
LIVE_OKUNO3 :	27409	
LIVE_CLOCK :	46351	

6/08, 04 16:38		prisca
Run239		
Start -- Tue Jun 8 16:37:02 2004		
Stop -- Tue Jun 8 16:38:52 2004		
Scaler Name :	Total	
UNGATED :	11346	
GATED :	11346	
NONE :	186	
F1PP T :	61	
F2 SI :	0	
CLEARs :	11347	
F2PP T :	642289	
F3PPA T :	30	
E1 :	1	
PL 2 :	566759	
PL 3 :	1	
CLOCK :	108809	
TGT_NAI :	1	
TGT_BAF :	24213	
MOMOTA :	180103	
OKUNO :	4419	
FC :	393	
MOMOTA1 :	389352	
MOMOTA2 :	12415931	
MOMOTA3 :	11392718	
OKUNO1 :	149068	
OKUNO2 :	33513	
OKUNO3 :	21438	
F3PPB T :	10	
LIVE_TGT_NAI :	1	
LIVE_TGT_BAF :	23216	
LIVE_MOMOTA :	172366	
LIVE_OKUNO :	4230	
LIVE_FC :	378	
LIVE_MOMOTA1 :	372844	
LIVE_MOMOTA2 :	11904376	
LIVE_MOMOTA3 :	10908875	
LIVE_OKUNO1 :	142772	
LIVE_OKUNO2 :	32073	
LIVE_OKUNO3 :	20452	
LIVE_CLOCK :	108474	

6:08, 04 16:44		prisca	
Run240			
Start -- Tue Jun 8 16:41:26 2004			
Stop -- Tue Jun 8 16:44:52 2004			
Scaler Name :	Total		
UNGATED :	22082		
GATED :	22082		
NONE :	362		
F1PP T :	47		
F2 SI :	0		
CLEARs :	22083		
F2PP T :	619679		
F3PPA T :	63		
E1 :	5		
PL 2 :	549141		
PL 3 :	5		
CLOCK :	204458		
TGT NAI :	47		
TGT BAF :	23187		
MOMOTA :	177339		
OKUNO :	4448		
FC :	776		
MOMOTA1 :	441110		
MOMOTA2 :	20594299		
MOMOTA3 :	18595023		
OKUNO1 :	145459		
OKUNO2 :	32700		
OKUNO3 :	21284		
F3PPB T :	23		
LIVE TGT NAI :	43		
LIVE TGT BAF :	22160		
LIVE MOMOTA :	169460		
LIVE OKUNO :	4285		
LIVE FC :	745		
LIVE MOMOTA1 :	421278		
LIVE MOMOTA2 :	19702821		
LIVE MOMOTA3 :	17774531		
LIVE OKUNO1 :	138866		
LIVE OKUNO2 :	31281		
LIVE OKUNO3 :	20389		
LIVE CLOCK :	203074		

6:08, 04 16:52		prisca	
Run241			
Start -- Tue Jun 8 16:46:58 2004			
Stop -- Tue Jun 8 16:52:47 2004			
Scaler Name :	Total		
UNGATED :	36112		
GATED :	36112		
NONE :	592		
F1PP T :	20		
F2 SI :	0		
CLEARs :	36113		
F2PP T :	153359		
F3PPA T :	62		
E1 :	1		
PL 2 :	131083		
PL 3 :	2		
CLOCK :	347052		
TGT NAI :	104		
TGT BAF :	5458		
MOMOTA :	40598		
OKUNO :	1012		
FC :	1374		
MOMOTA1 :	277833		
MOMOTA2 :	30693505		
MOMOTA3 :	27084875		
OKUNO1 :	33447		
OKUNO2 :	7407		
OKUNO3 :	4895		
F3PPB T :	37		
LIVE TGT NAI :	98		
LIVE TGT BAF :	5248		
LIVE MOMOTA :	38874		
LIVE OKUNO :	975		
LIVE FC :	1329		
LIVE MOMOTA1 :	265922		
LIVE MOMOTA2 :	29390799		
LIVE MOMOTA3 :	25930507		
LIVE OKUNO1 :	32042		
LIVE OKUNO2 :	7090		
LIVE OKUNO3 :	4666		
LIVE CLOCK :	346053		

6:08, 04 17:01		prisca	
Run242			
Start -- Tue Jun 8 16:55:01 2004			
Stop -- Tue Jun 8 17:01:03 2004			
Scaler Name :	Total		
UNGATED :	37576		
GATED :	37576		
NONE :	616		
F1PP T :	12		
F2 SI :	0		
CLEARs :	37577		
F2PP T :	50175		
F3PPA T :	56		
E1 :	2		
PL 2 :	42801		
PL 3 :	0		
CLOCK :	360886		
TGT NAI :	1		
TGT BAF :	1753		
MOMOTA :	12832		
OKUNO :	323		
FC :	1445		
MOMOTA1 :	237567		
MOMOTA2 :	31363764		
MOMOTA3 :	27676690		
OKUNO1 :	10702		
OKUNO2 :	2389		
OKUNO3 :	1617		
F3PPB T :	27		
LIVE TGT NAI :	1		
LIVE TGT BAF :	1675		
LIVE MOMOTA :	12290		
LIVE OKUNO :	311		
LIVE FC :	1386		
LIVE MOMOTA1 :	227494		
LIVE MOMOTA2 :	30028689		
LIVE MOMOTA3 :	26495934		
LIVE OKUNO1 :	10236		
LIVE OKUNO2 :	2283		
LIVE OKUNO3 :	1564		
LIVE CLOCK :	359818		

6:08, 04 17:15		prisca	
Run243			
Start -- Tue Jun 8 17:10:42 2004			
Stop -- Tue Jun 8 17:15:15 2004			
Scaler Name :	Total		
UNGATED :	28914		
GATED :	28914		
NONE :	474		
F1PP T :	11		
F2 SI :	0		
CLEARs :	28915		
F2PP T :	14646		
F3PPA T :	40		
E1 :	2		
PL 2 :	12826		
PL 3 :	0		
CLOCK :	272079		
TGT NAI :	1		
TGT BAF :	535		
MOMOTA :	4151		
OKUNO :	102		
FC :	1087		
MOMOTA1 :	164164		
MOMOTA2 :	23488969		
MOMOTA3 :	20658108		
OKUNO1 :	3348		
OKUNO2 :	751		
OKUNO3 :	496		
F3PPB T :	64		
LIVE TGT NAI :	1		
LIVE TGT BAF :	513		
LIVE MOMOTA :	3975		
LIVE OKUNO :	99		
LIVE FC :	1049		
LIVE MOMOTA1 :	156928		
LIVE MOMOTA2 :	22467564		
LIVE MOMOTA3 :	19757992		
LIVE OKUNO1 :	3211		
LIVE OKUNO2 :	731		
LIVE OKUNO3 :	473		
LIVE CLOCK :	270537		

6:08, 04 17:24 **prisca**

Run244

Start -- Tue Jun 8 17:16:55 2004  
 Stop -- Tue Jun 8 17:24:37 2004

Scaler Name : Total

```

    UNGATED : 47702
    GATED : 47702
    NONE : 782
    F1PP T : 6
    F2 SI : 0
    CLEARS : 47703
    F2PP T : 14074
    F3PPA T : 58
    E1 : 0
    PL 2 : 12189
    PL 3 : 0
    CLOCK : 460279
    TGT NAI : 0
    TGT BAF : 523
    MOMOTA : 3891
    OKUNO : 104
    FC : 1859
    MOMOTA1 : 276640
    MOMOTA2 : 39797807
    MOMOTA3 : 34956689
    OKUNO1 : 3273
    OKUNO2 : 750
    OKUNO3 : 486
    F3PPB T : 50
    LIVE TGT NAI : 0
    LIVE TGT BAF : 497
    LIVE MOMOTA : 3743
    LIVE OKUNO : 99
    LIVE FC : 1798
    LIVE MOMOTA1 : 264919
    LIVE MOMOTA2 : 38107508
    LIVE MOMOTA3 : 33467691
    LIVE OKUNO1 : 3132
    LIVE OKUNO2 : 715
    LIVE OKUNO3 : 465
    LIVE_CLOCK : 459004
    
```

6:08, 04 17:33 **prisca**

Run245

Start -- Tue Jun 8 17:31:00 2004  
 Stop -- Tue Jun 8 17:33:46 2004

Scaler Name : Total

```

    UNGATED : 17202
    GATED : 17202
    NONE : 282
    F1PP T : 3
    F2 SI : 0
    CLEARS : 17203
    F2PP T : 113381
    F3PPA T : 41
    E1 : 0
    PL 2 : 119934
    PL 3 : 1
    CLOCK : 165514
    TGT NAI : 1
    TGT BAF : 535
    MOMOTA : 4497
    OKUNO : 129
    FC : 663
    MOMOTA1 : 102610
    MOMOTA2 : 14351522
    MOMOTA3 : 12595761
    OKUNO1 : 3857
    OKUNO2 : 879
    OKUNO3 : 598
    F3PPB T : 35
    LIVE TGT NAI : 1
    LIVE TGT BAF : 513
    LIVE MOMOTA : 4301
    LIVE OKUNO : 127
    LIVE FC : 638
    LIVE MOMOTA1 : 98186
    LIVE MOMOTA2 : 13743183
    LIVE MOMOTA3 : 12060029
    LIVE OKUNO1 : 3669
    LIVE OKUNO2 : 845
    LIVE OKUNO3 : 575
    LIVE_CLOCK : 165057
    
```

*Run 245-248*

2004/06/08 17:40:54

### RIPS Control Summary

Parameter	Set Curr.	Read Curr.	Target	F2
Q1	1.3167	117.7562	117.891	
Q2	1.5337	94.0689	92.908	
Q3	0.7725	89.3036	89.389	
SX1	0.0000	0.1469	0.000	
D1	0.2777	280.0715	281.973	
SX2	0.0000	0.1469	0.000	
Q4	0.5572	48.3737	48.422	
Q5	0.7942	60.6366	60.779	
Q6	0.6197	53.9786	54.220	
SX3	0.0000	0.1469	0.000	
D2	0.2777	291.3142	290.595	
Sx4	0.0000	0.1469	0.000	
Q7	0.6468	74.7512	75.626	
Q8	1.1259	78.0552	78.068	
Q9	1.0222	91.1929	91.455	
Q10	1.1110	104.8931	106.117	
Q11	1.4205	115.1781	113.862	
Q12	1.1106	104.8552	105.894	

F1		F3	
D1	119.9 mm	PPAC1	IN
ld	-135.1 mm	Rgt	50.0 mm
Rgt	50.0 mm	Lft	50.0 mm
Lft	49.9 mm	PPAC2	IN
Mon	Out	SSD	Out
Deg	Exp	Pla	IN
PPAC	Out	Lgt	
Rot	0 deg.		

Focus	Brho	TA-F1	Tm
F1-F2	1.8100	Tm	F2-F3 1.8100 Tm

**exit**

6*08,04 17:41		prisca
Run246		
Start -- Tue Jun 8 17:35:12 2004		
Stop -- Tue Jun 8 17:41:25 2004		
Scaler Name :	Total	
UNGATED :	38674	
GATED :	38674	
NONE :	634	
F1PP T :	10	
F2 SI :	0	
CLEARs :	38675	
F2PP T :	30162	
F3PPA T :	48	
E1 :	0	
PL 2 :	30454	
PL 3 :	2	
CLOCK :	372094	
TGT NAI :	42386	
TGT BAF :	141	
MOMOTA :	1053	
OKUNO :	19	
FC :	1490	
MOMOTA1 :	217500	
MOMOTA2 :	32084498	
MOMOTA3 :	28128169	
OKUNO1 :	891	
OKUNO2 :	185	
OKUNO3 :	132	
F3PPB T :	58	
LIVE TGT NAI :	40539	
LIVE TGT BAF :	139	
LIVE MOMOTA :	1016	
LIVE OKUNO :	19	
LIVE FC :	1434	
LIVE MOMOTA1 :	208165	
LIVE MOMOTA2 :	30722370	
LIVE MOMOTA3 :	26930390	
LIVE OKUNO1 :	848	
LIVE OKUNO2 :	180	
LIVE OKUNO3 :	129	
LIVE_CLOCK :	371063	

6*08,04 17:47		prisca
Run247		
Start -- Tue Jun 8 17:45:00 2004		
Stop -- Tue Jun 8 17:47:15 2004		
Scaler Name :	Total	
UNGATED :	14274	
GATED :	14274	
NONE :	234	
F1PP T :	1	
F2 SI :	0	
CLEARs :	14275	
F2PP T :	37395	
F3PPA T :	17	
E1 :	0	
PL 2 :	32964	
PL 3 :	0	
CLOCK :	134148	
TGT NAI :	41823	
TGT BAF :	153	
MOMOTA :	1069	
OKUNO :	27	
FC :	535	
MOMOTA1 :	78656	
MOMOTA2 :	11594739	
MOMOTA3 :	10156630	
OKUNO1 :	861	
OKUNO2 :	182	
OKUNO3 :	143	
F3PPB T :	20	
LIVE TGT NAI :	39993	
LIVE TGT BAF :	147	
LIVE MOMOTA :	1032	
LIVE OKUNO :	23	
LIVE FC :	492	
LIVE MOMOTA1 :	75119	
LIVE MOMOTA2 :	11091036	
LIVE MOMOTA3 :	9714029	
LIVE OKUNO1 :	819	
LIVE OKUNO2 :	174	
LIVE OKUNO3 :	133	
LIVE_CLOCK :	133479	

6*08,04 17:55		prisca
Run248		
Start -- Tue Jun 8 17:49:30 2004		
Stop -- Tue Jun 8 17:55:43 2004		
Scaler Name :	Total	
UNGATED :	38552	
GATED :	38552	
NONE :	632	
F1PP T :	7	
F2 SI :	0	
CLEARs :	38553	
F2PP T :	5983	
F3PPA T :	44	
E1 :	3	
PL 2 :	6048	
PL 3 :	0	
CLOCK :	372305	
TGT NAI :	9419	
TGT BAF :	31	
MOMOTA :	227	
OKUNO :	7	
FC :	1485	
MOMOTA1 :	213615	
MOMOTA2 :	32125130	
MOMOTA3 :	28152709	
OKUNO1 :	211	
OKUNO2 :	58	
OKUNO3 :	37	
F3PPB T :	64	
LIVE TGT NAI :	9011	
LIVE TGT BAF :	28	
LIVE MOMOTA :	215	
LIVE OKUNO :	7	
LIVE FC :	1444	
LIVE MOMOTA1 :	204724	
LIVE MOMOTA2 :	30764945	
LIVE MOMOTA3 :	26957805	
LIVE OKUNO1 :	199	
LIVE OKUNO2 :	56	
LIVE OKUNO3 :	35	
LIVE_CLOCK :	371364	

6*08,04 18:03		prisca
Run249		
Start -- Tue Jun 8 18:02:01 2004		
Stop -- Tue Jun 8 18:02:58 2004		
Scaler Name :	Total	
UNGATED :	5856	
GATED :	5856	
NONE :	96	
F1PP T :	93	
F2 SI :	0	
CLEARs :	5857	
F2PP T :	972135	
F3PPA T :	56	
E1 :	2	
PL 2 :	854055	
PL 3 :	2	
CLOCK :	55973	
TGT NAI :	0	
TGT BAF :	37765	
MOMOTA :	282206	
OKUNO :	7328	
FC :	173	
MOMOTA1 :	532513	
MOMOTA2 :	9540413	
MOMOTA3 :	9777581	
OKUNO1 :	235693	
OKUNO2 :	53528	
OKUNO3 :	33781	
F3PPB T :	11	
LIVE TGT NAI :	0	
LIVE TGT BAF :	36101	
LIVE MOMOTA :	270141	
LIVE OKUNO :	7000	
LIVE FC :	168	
LIVE MOMOTA1 :	510102	
LIVE MOMOTA2 :	9155031	
LIVE MOMOTA3 :	9360851	
LIVE OKUNO1 :	225484	
LIVE OKUNO2 :	51206	
LIVE OKUNO3 :	32341	
LIVE_CLOCK :	55780	

Run 249

RIPS Control Summary				2004/06/08 18:09:37	
Parameter	Set Curr.	Read Curr.	Target	F2	
Q1	1.3167	117.7562	Tgt 194.5 mm	FC	Out
Q2	1.5337	94.0689	FC Out	Rgt	50.1 mm
Q3	0.7725	89.3036	Up 24.0 mm	Lft	50.0 mm
SX1	0.0000	0.1469	Dwn 24.0 mm	PPAC	
D1	0.2777	280.0715	Rgt 24.0 mm	SSD	-94.8 mm
SX2	0.0000	0.1469	Lft 23.8 mm	Deg	Out -4.9 deg.
Q4	0.5572	48.3737	Lgt	Pla	IN
Q5	0.7942	60.6366			
Q6	0.6197	53.9786			
SX3	0.0000	0.1469			
D2	0.2777	291.3142			
SX4	0.0000	0.1469			
Q7	0.6468	74.7512			
Q8	1.1259	78.0552			
Q9	1.0222	91.1929			
Q10	1.1110	104.8931			
Q11	1.4205	115.1781			
Q12	1.1106	104.8552			
Focus	Brho	TA-F1 1.8100	Tm		
F1-F2 1.8100	Tm	F2-F3 1.8100	Tm		

Update exit

Run 250

RIPS Control Summary				2004/06/08 18:15:34	
Parameter	Set Curr.	Read Curr.	Target	F2	
Q1	1.3167	117.7562	Tgt 194.5 mm	FC	Out
Q2	1.5337	94.0689	FC Out	Rgt	50.1 mm
Q3	0.7725	89.3036	Up 24.0 mm	Lft	50.0 mm
SX1	0.0000	0.1469	Dwn 24.0 mm	PPAC	
D1	0.2777	280.0715	Rgt 24.0 mm	SSD	-94.7 mm
SX2	0.0000	0.1469	Lft 23.8 mm	Deg	Out -4.9 deg.
Q4	0.5572	48.3737	Lgt	Pla	IN
Q5	0.7942	60.6366			
Q6	0.6197	53.9786			
SX3	0.0000	0.1469			
D2	0.2777	291.3142			
SX4	0.0000	0.1469			
Q7	0.6468	74.7512			
Q8	1.1259	78.0552			
Q9	1.0222	91.1929			
Q10	1.1110	104.8931			
Q11	1.4205	115.1781			
Q12	1.1106	104.8552			
Focus	Brho	TA-F1 1.8100	Tm		
F1-F2 1.8100	Tm	F2-F3 1.8100	Tm		

Update exit

6* 08, 04 18:06		prisca
Run250		
Start	-- Tue Jun 8 18:05:10 2004	
Stop	-- Tue Jun 8 18:06:03 2004	
Scaler Name :	Total	
UNGATED :	5246	
GATED :	5246	
NONE :	86	
F1PP T :	90	
F2_SI :	0	
CLEARs :	5247	
F2PP T :	168255	
F3PPA T :	10	
E1 :	1	
PL 2 :	133914	
PL 3 :	2	
CLOCK :	52457	
TGT_NAI :	1	
TGT_BAF :	34722	
MOMOTA :	263434	
OKUNO :	6623	
FC :	162	
MOMOTA1 :	497672	
MOMOTA2 :	8917232	
MOMOTA3 :	9131295	
OKUNO1 :	219081	
OKUNO2 :	49243	
OKUNO3 :	31131	
F3PPB T :	6	
LIVE_TGT_NAI :	1	
LIVE_TGT_BAF :	33294	
LIVE_MOMOTA :	252445	
LIVE_OKUNO :	6348	
LIVE_FC :	153	
LIVE_MOMOTA1 :	477292	
LIVE_MOMOTA2 :	8574105	
LIVE_MOMOTA3 :	8756721	
LIVE_OKUNO1 :	209985	
LIVE_OKUNO2 :	47212	
LIVE_OKUNO3 :	29723	
LIVE_CLOCK :	52457	

6*08,04 18:08		prisca
Run251		
Start -- Tue Jun 8 18:07:19 2004		
Stop -- Tue Jun 8 18:08:08 2004		
Scaler Name :	Total	
UNGATED :	4880	
GATED :	4880	
NONE :	80	
F1PP T :	157	
F2 SI :	0	
CLEAR S :	4881	
F2PP T :	301846	
F3PPA T :	25	
E1 :	1	
PL 2 :	238509	
PL 3 :	1	
CLOCK :	48128	
TGT NAI :	0	
TGT BAF :	64847	
MOMOTA :	498308	
OKUNO :	11749	
FC :	124	
MOMOTA1 :	846451	
MOMOTA2 :	13221386	
MOMOTA3 :	12997458	
OKUNO1 :	386731	
OKUNO2 :	87072	
OKUNO3 :	55357	
F3PPB T :	5	
LIVE TGT NAI :	0	
LIVE TGT BAF :	62257	
LIVE MOMOTA :	478197	
LIVE OKUNO :	11281	
LIVE FC :	123	
LIVE MOMOTA1 :	812916	
LIVE MOMOTA2 :	12729056	
LIVE MOMOTA3 :	12477352	
LIVE OKUNO1 :	371389	
LIVE OKUNO2 :	83642	
LIVE OKUNO3 :	53256	
LIVE_CLOCK :	48078	

6*08,04 18:10		prisca
Run252		
Start -- Tue Jun 8 18:09:39 2004		
Stop -- Tue Jun 8 18:10:26 2004		
Scaler Name :	Total	
UNGATED :	4758	
GATED :	4758	
NONE :	78	
F1PP T :	278	
F2 SI :	0	
CLEAR S :	4759	
F2PP T :	520408	
F3PPA T :	18	
E1 :	0	
PL 2 :	416362	
PL 3 :	1	
CLOCK :	46870	
TGT NAI :	0	
TGT BAF :	122651	
MOMOTA :	930238	
OKUNO :	20934	
FC :	84	
MOMOTA1 :	1487303	
MOMOTA2 :	21881033	
MOMOTA3 :	20377671	
OKUNO1 :	694447	
OKUNO2 :	155853	
OKUNO3 :	98795	
F3PPB T :	9	
LIVE TGT NAI :	0	
LIVE TGT BAF :	117457	
LIVE MOMOTA :	891063	
LIVE OKUNO :	20089	
LIVE FC :	84	
LIVE MOMOTA1 :	1426783	
LIVE MOMOTA2 :	21065481	
LIVE MOMOTA3 :	19543972	
LIVE OKUNO1 :	664773	
LIVE OKUNO2 :	149206	
LIVE OKUNO3 :	95288	
LIVE_CLOCK :	46818	

6:08, 04 18:13

prisca

Run253

Start -- Tue Jun 8 18:11:56 2004  
Stop -- Tue Jun 8 18:12:56 2004

Scaler Name : Total

UNGATED :	6344
GATED :	6344
NONE :	104
F1PP T :	10
F2 SI :	0
CLEARs :	6345
F2PP T :	23281
F3PPA T :	17
E1 :	0
PL 2 :	18440
PL 3 :	1
CLOCK :	58993
TGT NAI :	20
TGT BAF :	6443
MOMOTA :	40166
OKUNO :	888
FC :	227
MOMOTA1 :	97831
MOMOTA2 :	5831521
MOMOTA3 :	5171657
OKUNO1 :	30684
OKUNO2 :	6679
OKUNO3 :	4397
F3PPB T :	4
LIVE_TGT_NAI :	19
LIVE_TGT_BAF :	6162
LIVE_MOMOTA :	38342
LIVE_OKUNO :	852
LIVE_FC :	213
LIVE_MOMOTA1 :	93611
LIVE_MOMOTA2 :	5582210
LIVE_MOMOTA3 :	4946810
LIVE_OKUNO1 :	29374
LIVE_OKUNO2 :	6408
LIVE_OKUNO3 :	4235
LIVE_CLOCK :	58661



6:08, 04 18:19

prisca

Run254

Start -- Tue Jun 8 18:19:05 2004  
Stop -- Tue Jun 8 18:19:47 2004

Scaler Name : Total

UNGATED :	4392
GATED :	4392
NONE :	72
F1PP T :	397
F2 SI :	0
CLEARs :	4393
F2PP T :	753272
F3PPA T :	38
E1 :	3
PL 2 :	603196
PL 3 :	3
CLOCK :	42342
TGT NAI :	0
TGT BAF :	202235
MOMOTA :	1340628
OKUNO :	30510
FC :	38
MOMOTA1 :	2140221
MOMOTA2 :	28453834
MOMOTA3 :	26769837
OKUNO1 :	1011783
OKUNO2 :	225569
OKUNO3 :	143295
F3PPB T :	11
LIVE_TGT_NAI :	0
LIVE_TGT_BAF :	193156
LIVE_MOMOTA :	1280920
LIVE_OKUNO :	29086
LIVE_FC :	37
LIVE_MOMOTA1 :	2049843
LIVE_MOMOTA2 :	27366674
LIVE_MOMOTA3 :	25633575
LIVE_OKUNO1 :	965873
LIVE_OKUNO2 :	215120
LIVE_OKUNO3 :	137447
LIVE_CLOCK :	42226

Run number:	255	Tape:	Name:
Description:			
Date:	6/8	Time:	
Brho1:	2.77	Brho2:	2.77
NMRI:	769.478	NMR2:	769.968
Target:	Be(92)	Ta(166)	Be(115) Be(181)
F1 slit:	± 3 mm	F1PPAC:	IN OUT
Wedge:	none	100mg/Al	60mg/Al
F2 slit:	open		
F2PPAC:	IN OUT	F3PPACs:	IN OUT
F2 Scint:	IN OUT	F3 Scint:	IN OUT
Rips control	yes/no	prisca	SCA file
Trigger:	F1 PPAC/F1Plastic/F2 Plastic		

Bias voltage table (please compare to previous values)			
U dE=		I dE=	
U E1=		I E1=	
U E2=		I E2=	
U E3=		I E3=	
U E4=		I E4=	
F1_PPAC=		NaI(Tl)_1=	
F2_PPAC=		NaI(Tl)_2=	
F3_PPACA=		NaI(Tl)_3=	
F3_PPACB=		BaF=	

prisca

art -- Tue Jun 8 18:33:47 2004  
 dp -- Tue Jun 8 18:43:19 2004

Scaler Name : Total

```

UNGATED : 789998
GATED : 476676
NONE : 7812
FIPP_T : 3641
F2_SI : 0
CLEARS : 476533
F2PP_T : 127463
F3PPA_T : 432287
E1 : 452993
PL_2 : 556183
PL_3 : 753788
CLOCK : 506964
TGT_NAI : 315360
TGT_BAF : 2556345
MOMOTA : 65041
OKUNO : 1545
FC : 4845228
MOMOT1 : 8689715
MOMOT2 : 88903367
MOMOT3 : 2137669
OKUNO1 : 482546
OKUNO2 : 307588
OKUNO3 : 245210
F3PPB_T : 191775
LIVE_TGT_NAI : 1556299
LIVE_TGT_BAF : 39672
LIVE_MOMOTA : 804
LIVE_OKUNO : 2951425
LIVE_FC : 53305991
LIVE_MOMOT1 : 54365978
LIVE_MOMOT2 : 1303233
LIVE_MOMOT3 : 294081
LIVE_OKUNO1 : 183687
LIVE_OKUNO2 : 310779
LIVE_OKUNO3 :
LIVE_CLOCK :
  
```



Run number:	256	Tape: 25	Name: N. J. J.
Description:	PID calibration Run		
Date:	June 8	Time:	18:46
Brho1:	2.77	Brho2:	2.77
NMR1:	769.342	NMR2:	1770.064
Target:	Be(92)	Ta(166)	Be(115) Be(181)
F1 slit:	$\pm 3$ mm	F1PPAC:	IN <del>OUT</del>
Wedge:	none	-100mg/Al	60mg/Al
F2 slit:	open		
F2PPAC:	<del>IN</del> OUT	F3PPACs:	<del>IN</del> OUT
F2 Scint:	<del>IN</del> OUT	F3 Scint:	<del>IN</del> OUT
Rips control	yes/no	prisca yes	SCA file <del>yes</del>
Trigger:	F1 PPAC/F1Plastic/F2 Plastic		

Bias voltage table (please compare to previous values)			
U_dE=	96.0	I_dE=	0.52
U_E1=	100.0	I_E1=	2.49
U_E2=	97.2	I_E2=	1.41
U_E3=	95.5	I_E3=	0.23
U_E4=	95.6	I_E4=	11.30
F1_PPAC=	748	NaI(Tl)_1=	100
F2_PPAC=	750	NaI(Tl)_2=	
F3_PPACA=	755	NaI(Tl)_3=	
F3_PPACB=	755	BaF=	1352

Runs 256-260 are taken with  
low gain on F2 plastic (Left & Right)  
see the threshold change in LogBook III  
page 20

RIPS Control Summary				2004/06/08 19:05:57	
Parameter	Set Curr.	Read Curr.	Target	F2	
Q1	1.3167	180.7472	180.625	Tgt 194.5	mm
Q2	1.5337	144.0633	142.032	FC Out	
Q3	0.7725	136.7376	136.856	Up 24.0	mm
SX1	0.0000	0.1469	0.000	Dwn 24.0	mm
D1	0.2777	428.9576	431.689	Rgt 24.0	mm
SX2	0.0000	0.1469	0.000	Lft 23.8	mm
Q4	0.5572	74.8763	74.869	Lgt	
Q5	0.7942	93.6216	93.706		
Q6	0.6197	83.4538	83.642		
SX3	0.0000	0.1469	0.000		
D2	0.2777	445.9052	445.014		
SX4	0.0000	0.1469	0.000		
Q7	0.6468	114.4668	115.554		
Q8	1.1259	119.3385	119.989		
Q9	1.0222	140.0950	140.331		
Q10	1.1110	160.5951	162.846		
Q11	1.4205	176.1155	173.918		
Q12	1.1106	160.5371	161.733		
Focus	Brho	TA-F1 2.7700	Tm		
F1-F2 2.7700	Tm	F2-F3 2.7700	Tm		

F1		F3	
D1 119.8	mm	PPAC1	IN
ld -134.9	mm	Rgt 49.9	mm
Rgt 3.0	mm	Lft 50.0	mm
Lft 3.0	mm	PPAC2	IN
Mom Out		SSD	Out
Deg Emp		Pla	IN
PPAC Out		Lgt	
Rot 0	deg.		

Update

exit

6/08/04 18:54		prisca	
Run256			
Start -- Tue Jun 8 18:46:12 2004			
Stop -- Tue Jun 8 18:54:49 2004			
Scaler Name :	Total		
UNGATED :	786914		
GATED :	479829		
NONE :	7864		
F1PP T :	3433		
F2_S1 :	0		
CLEAR :	479705		
F2PP T :	126126		
F3PPA_T :	425765		
E1 :	445971		
PL_2 :	545614		
PL_3 :	739035		
CLOCK :	516210		
TGT_NAI :	1		
TGT_BAF :	314905		
MOMOTA :	2505650		
OKUNO :	64535		
FC :	1590		
MOMOT1 :	4774135		
MOMOT2 :	87159610		
MOMOT3 :	88972573		
OKUNO1 :	2109207		
OKUNO2 :	475758		
OKUNO3 :	303779		
F3PPB_T :	242547		
LIVE_TGT_NAI :	1		
LIVE_TGT_BAF :	193817		
LIVE_MOMOTA :	1544384		
LIVE_OKUNO :	39761		
LIVE_FC :	848		
LIVE_MOMOT1 :	2943981		
LIVE_MOMOT2 :	53978377		
LIVE_MOMOT3 :	54950926		
LIVE_OKUNO1 :	1301629		
LIVE_OKUNO2 :	294074		
LIVE_OKUNO3 :	183234		
LIVE_CLOCK :	319598		

Run number:	257	Tape:	25	Name:	HIPS
Description:	start run 257. F1 = +/- 3mm, Brho = 2.84 T <sub>2</sub> , Be <sup>0.5</sup> <sub>22</sub>				
Date:	6/8/2004	Time:	19:06:35		
Brho1:	2.84	Brho2:	2.84		
NMR1:	788.726	NMR2:	789.302		
Target:	Be(92)	Ta(166)	Be(115) Be(181)		
F1 slit:	2 3.0 mm	F1PPAC:	IN OUT		
Wedge:	none	100mg/Al	60mg/Al		
F2 slit:	open				
F2PPAC:	IN OUT	F3PPACs:	IN OUT		
F2 Scint:	IN OUT	F3 Scint:	IN OUT		
Rips control	yes/no	prisca	SCA file		
Trigger:	F1 PPAC/F1Plastic/F2 Plastic				

T<sub>12</sub> = F<sub>2</sub> A<sub>4</sub> = 1/6  
 Heat for PID calibration

Bias voltage table (please compare to previous values)			
U dE=	96.0 (v)	I dE=	0.51 (mA)
U E1=	100	I E1=	2.48
U E2=	97.2	I E2=	1.40
U E3=	95.5	I E3=	0.23
U E4=	95.6	I E4=	0.29
F1 PPAC=	-748 (v)	NaI(Tl) 1=	0.10 (kV)
F2 PPAC=	-750	NaI(Tl) 2=	
F3 PPACA=	-755	NaI(Tl) 3=	
F3 PPACB=	-755	BaF=	1352.0 (v)

RIPS Control Summary				2004/06/08 19:14:52	
Parameter	Set Curr.	Read Curr.	Target	F1	F2
Q1	1.3167	185.3403	185.305		FC Out
Q2	1.5337	147.7088	146.185	Tgt 194.5 mm	Rgt 50.0 mm
Q3	0.7725	140.1963	140.320	FC out	Lft 50.0 mm
SX1	0.0000	0.1469	0.000	Up 24.0 mm	PPAC
D1	0.2777	439.8138	443.328	Dwn 24.0 mm	SSD -94.8 mm
SX2	0.0000	0.1469	0.000	Rgt 24.0 mm	Deg Out
Q4	0.5572	76.8087	76.778	Lft 23.8 mm	Pla IN deg.
Q5	0.7942	96.0268	96.119	Lgt	
Q6	0.6197	85.6031	85.762		
SX3	0.0000	0.1469	0.000		
D2	0.2777	457.1774	456.649	F1	F3
SX4	0.0000	0.1469	0.000	D1 119.8 mm	PPAC1 IN
Q7	0.6468	117.3628	118.725	ld -134.9 mm	Rgt 49.9 mm
Q8	1.1259	122.3487	122.441	Rgt 3.0 mm	Lft 50.0 mm
Q9	1.0222	143.6608	143.809	Lft 3.0 mm	PPAC2 IN
Q10	1.1110	164.6567	166.961	Mom Out	SSD Out
Q11	1.4205	180.5588	178.537	Deg Exp	Pla IN
Q12	1.1106	164.5973	166.183	PPAC Out	Lgt
Focus	Brho	TA-F1	2.8400	Tm	Rot 0 deg.
F1-F2	2.8400	Tm	F2-F3	2.8400	Tm

Update exit

6\*108,04 19:30

prisca

Run257

Start -- Tue Jun 8 19:06:35 2004  
Stop -- Tue Jun 8 19:30:33 2004

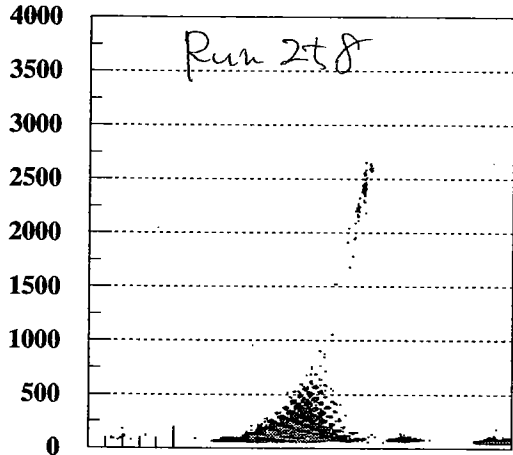
Scaler Name : Total

UNGATED :	1475846
GATED :	1034188
NONE :	16952
F1PP T :	3177
F2 SI :	0
CLEARs :	1034073
F2PP T :	114076
F3PPA T :	659349
E1 :	738052
PL_2 :	1088974
PL_3 :	1373032
CLOCK :	1435881
TGT_NAI :	4
TGT_BAF :	810091
MOMOTA :	6611837
OKUNO :	169450
FC :	4465
MOMOTA1 :	12608839
MOMOTA2 :	235103152
MOMOTA3 :	236729317
OKUNO1 :	5551774
OKUNO2 :	1256717
OKUNO3 :	798964
F3PPB T :	322840
LIVE_TGT_NAI :	2
LIVE_TGT_BAF :	567878
LIVE_MOMOTA :	4634921
LIVE_OKUNO :	118814
LIVE_FC :	2957
LIVE_MOMOTA1 :	8846403
LIVE_MOMOTA2 :	165704504
LIVE_MOMOTA3 :	166377863
LIVE_OKUNO1 :	3893001
LIVE_OKUNO2 :	881728
LIVE_OKUNO3 :	554969
LIVE_CLOCK :	1012016

Run number:	258	Tape:	25	Name:	HPJ
Description:	Start run 0258, Brho = 2.87, Be target				
Date:	6/8/2004	Time:	19:34:36		
Brho1:	2.87 (Ta)	Brho2:	2.87		
NMR1:	796.996 (Ta)	NMR2:	797.570		
Target:	Be(92)	Ta(166)	Be(115) Be(181)		
F1 slit:	23.0 mm	F1PPAC:	IN OUT		
Wedge:	none	100mg/Al	60mg/Al		
F2 slit:	open				
F2PPAC:	IN OUT	F3PPACs:	IN OUT		
F2 Scint:	IN OUT	F3 Scint:	IN OUT		
Rips control	yes/no	prisca	SCA file		
Trigger:	F1 PPAC/F1Plastic/F2 Plastic				

Bias voltage table (please compare to previous values)			
U dE=	96.0 (v)	I dE=	0.51 (MA)
U E1=	100	I E1=	2.49
U E2=	97.2	I E2=	1.40
U E3=	95.5	I E3=	0.23
U E4=	95.6	I E4=	0.30
F1_PPAC=	-748 (v)	NaI(Tl)_1=	0.10 (kv)
F2_PPAC=	-750	NaI(Tl)_2=	
F3_PPACA=	-755	NaI(Tl)_3=	
F3_PPACB=	-755	BaF=	1352 (v)

RIPS Control Summary				2004/06/08 19:53:44	
Parameter	Set	Curr.	Read	Target	F2
Q1	1.3167	187.3087	187.311	Tgt 194.5 mm	FC Out
Q2	1.5337	149.2711	147.371	FC Out	Rgt 50.1 mm
Q3	0.7725	141.6786	142.139	Up 24.0 mm	Lft 50.0 mm
SX1	0.0000	0.1469	0.000	Dwn 24.0 mm	PPAC
D1	0.2777	444.4665	447.824	Rgt 24.0 mm	SSD -94.7 mm
SX2	0.0000	0.1469	0.026	Lft 23.8 mm	Deg Out
Q4	0.5572	77.6369	77.596	Lgt	Pla IN
Q5	0.7942	97.0576	97.295		
Q6	0.6197	86.5242	87.013		
SX3	0.0000	0.1469	0.000		
D2	0.2777	462.0084	461.408	F1	F3
Sx4	0.0000	0.1469	0.000	D1 119.8 mm	PPAC1 IN
Q7	0.6468	118.6039	120.026	Id -134.9 mm	Rgt 49.9 mm
Q8	1.1259	123.6388	124.102	Rgt 3.0 mm	Lft 50.0 mm
Q9	1.0222	145.1890	145.595	Lft 3.0 mm	PPAC2 IN
Q10	1.1110	166.3974	168.741	Mom Out	SSD Out
Q11	1.4205	182.4631	180.304	Deg Exp	Pla IN
Q12	1.1106	166.3373	167.851	PPAC Out	Lgt
Focus		Brho	TA-F1 2.8700	Tm	
F1-F2	2.8700	Tm	F2-F3 2.8700	Tm	



6*1 08, 04 19:44		prisca
Run258		
Start	-- Tue Jun 8 19:34:36 2004	
Stop	-- Tue Jun 8 19:44:40 2004	
Scaler Name	:	Total
UNGATED	:	947936
GATED	:	575503
NONE	:	9432
F1PP T	:	1835
F2 SI	:	0
CLEARs	:	575353
F2PP T	:	58025
F3PPA T	:	384188
E1	:	434701
PL 2	:	703107
PL 3	:	883622
CLOCK	:	603005
TGT NAI	:	3
TGT BAF	:	604671
MOMOTA	:	5099332
OKUNO	:	121464
FC	:	1655
MOMOTA1	:	8752134
MOMOTA2	:	145782816
MOMOTA3	:	140717189
OKUNO1	:	3987820
OKUNO2	:	901581
OKUNO3	:	572199
F3PPB T	:	181097
LIVE TGT NAI	:	3
LIVE TGT BAF	:	366629
LIVE MOMOTA	:	3091328
LIVE OKUNO	:	73491
LIVE FC	:	919
LIVE MOMOTA1	:	5311983
LIVE MOMOTA2	:	88850513
LIVE MOMOTA3	:	85471089
LIVE OKUNO1	:	2418072
LIVE OKUNO2	:	546222
LIVE OKUNO3	:	342220
LIVE_CLOCK	:	367247

Meant for PID calibration

Run number:	259	Tape:	25	Name:	HFS
Description:	start run 259. Bho = 2.93, Bc 0.52m, F2pl				
Date:	6/8/2004	Time:	19:49:10		
Brho1:	2.93 (Tm)	Brho2:	2.93		
NMR1:	F13.523(2T)	NMR2:	814.143		
Target:	Be(92)	Ta(166)	Be(115) Be(181)		
F1 slit:	± 3.0 mm	F1PPAC:	IN OUT		
Wedge:	none	100mg/Al	60mg/Al		
F2 slit:	open				
F2PPAC:	IN OUT	F3PPACs:	IN OUT		
F2 Scint:	IN OUT	F3 Scint:	IN OUT		
Rips control	yes/no	prisca	SCA file		
Trigger:	F1 PPAC/F1Plastic/F2 Plastic				

F1 trigger, A# = 13

Bias voltage table (please compare to previous values)			
U dE=	96.0 (V)	I dE=	0.51 (MA)
U E1=	100	I E1=	2.48
U E2=	97.2	I E2=	1.40
U E3=	95.5	I E3=	0.25
U E4=	95.6	I E4=	0.30
F1_PPAC=	-748 (V)	NaI(Tl)_1=	0.10 (kr)
F2_PPAC=	-750	NaI(Tl)_2=	
F3_PPACA=	-755	NaI(Tl)_3=	
F3_PPACB=	-755	BaF=	1352.0 (V)

# RIPS Control Summary

2004/06/08 20:02:17

Parameter	Set Curr.	Read Curr.	Target	F2
Q1	1.3167	191.245	191.099	FC Out
Q2	1.5337	152.395	150.575	Rgt 50.1 mm
Q3	0.7725	144.643	145.084	FC Out
SX1	0.0000	0.1469	0.000	Up 24.0 mm
D1	0.2777	453.771	457.082	Lft 50.0 mm
SX2	0.0000	0.1469	0.000	Dwn 24.0 mm
Q4	0.5572	79.2934	79.286	PPAC
Q5	0.7942	99.1191	99.214	Rgt 24.0 mm
Q6	0.6197	88.3664	88.645	SSD -94.8 mm
SX3	0.0000	0.1469	0.000	Lft 23.8 mm
D2	0.2777	471.670	471.192	Deg Out
SX4	0.0000	0.1469	0.000	Lgt
Q7	0.6468	121.0861	122.547	Pla IN deg.
Q8	1.1259	126.219	126.554	F1
Q9	1.0222	148.245	148.791	D1 119.8 mm
Q10	1.1110	169.878	172.078	Id -134.9 mm
Q11	1.4205	186.271	183.972	Rgt 3.1 mm
Q12	1.1106	169.817	170.743	Lft 3.0 mm
Focus	Brho	TA-F1 2.9300	Im	Mom Out
F1-F2 2.9300	Im	F2-F3 2.9300	Im	Deg Exp
				PPAC Out
				Rot 0 deg.

exit

6-1 08, 04 20:01 prisce

Run259

Start -- Tue Jun 8 19:49:10 2004  
Stop -- Tue Jun 8 20:01:06 2004

Scaler Name : Total

- UNGATED : 980840
- GATED : 626214
- NONE : 10264
- F1PP\_T : 1701
- F2\_SI : 0
- CLEAR\_S : 626105
- F2PP\_T : 35437
- F3PPA\_T : 317463
- E1 : 346479
- PL\_2 : 685397
- PL\_3 : 877173
- CLOCK : 715147
- TGT\_NAI : 2
- TGT\_BAF : 738455
- MOMOTA : 6162935
- OKUNO : 147958
- FC : 1963
- MOMOTA1 : 10592057
- MOMOTA2 : 174918522
- MOMOTA3 : 169623996
- OKUNO1 : 4845628
- OKUNO2 : 1095967
- OKUNO3 : 695179
- F3PPB\_T : 138666
- LIVE\_TGT\_NAI : 0
- LIVE\_TGT\_BAF : 470407
- LIVE\_MOMOTA : 3928355
- LIVE\_OKUNO : 94230
- LIVE\_FC : 1192
- LIVE\_MOMOTA1 : 6757984
- LIVE\_MOMOTA2 : 112139513
- LIVE\_MOMOTA3 : 108379176
- LIVE\_OKUNO1 : 3091201
- LIVE\_OKUNO2 : 699381
- LIVE\_OKUNO3 : 437946
- LIVE\_CLOCK : 457615



Meant for PID calibration

Run number:	260	Tape:	25	Name:	N. Jwan
Description:	BP scan.				
Date:	Jun 8	Time:	20:06~		
Brho1:	2.96 T.m	Brho2:	2.96 T.m		
NMR1:	821, 822 mT	NMR2:	822, 360		
Target:	Be(92)	Ta(166)	Be(115) Be(181)		
F1 slit:	±3 mm	F1PPAC:	<del>IN</del> OUT		
Wedge:	none	100mg/Al	60mg/Al		
F2 slit:	open				
F2PPAC:	<del>IN</del> OUT	F3PPACs:	<del>IN</del> OUT		
F2 Scint:	<del>IN</del> OUT	F3 Scint:	<del>IN</del> OUT		
Rips control	yes/no	prisca	SCA file		
Trigger:	F1 PPAC/F1Plastic/F2 Plastic				

Bias voltage table (please compare to previous values)			
U_dE=	96.0	I_dE=	0.51
U_E1=	100.0	I_E1=	2.49
U_E2=	97.2	I_E2=	1.40
U_E3=	95.5	I_E3=	0.23
U_E4=	95.6	I_E4=	0.29
F1_PPAC=	~ 749	NaI(Tl)_1=	100
F2_PPAC=	~ 750	NaI(Tl)_2=	
F3_PPACA=	~ 755	NaI(Tl)_3=	
F3_PPACB=	~ 755	BaF=	1352

# RIPS Control Summary

2004/06/08 20:17:28

Parameter	Set Curr.	Read Curr.	Target	F2
Q1	1.3167	193.2142	192.993	FC Out
Q2	1.5337	153.9581	121.741	Rgt 50.1 mm
Q3	0.7725	146.1256	146.384	FC Out
SX1	0.0000	0.1469	0.000	Up 24.0 mm
D1	0.2777	458.4246	462.108	Dwn 24.0 mm
SX2	0.0000	0.1469	0.000	Rgt 24.0 mm
Q4	0.5572	80.1216	80.104	Lft 23.8 mm
Q5	0.7942	100.1498	100.328	Lgt
Q6	0.6197	89.2875	89.515	Pls IN deg.
SX3	0.0000	0.1469	0.000	
D2	0.2777	476.5013	476.480	F1
SX4	0.0000	0.1469	0.000	D1 119.9 mm
Q7	0.6468	122.3272	123.767	ld -134.9 mm
Q8	1.1259	127.5091	127.820	Rgt 3.0 mm
Q9	1.0222	149.7736	150.295	Lft 3.0 mm
Q10	1.1110	171.6194	173.858	Mom Out
Q11	1.4205	188.1760	185.739	Deg Emp
Q12	1.1106	171.5575	172.301	PPAC Out
Focus	Brho	TA-F1 2.9600	Tm	Rot 0 deg.
F1-F2 2.9600	Tm	F2-F3 2.9600	Tm	

6/08, 04 20:17

prisca

Run260

Start -- Tue Jun 8 20:06:29 2004  
 Stop -- Tue Jun 8 20:17:24 2004

Scaler Name : Total

```

UNGATED : 768646
GATED : 514554
NONE : 8434
F1PP_T : 1524
F2_SI : 0
CLEARS : 514475
F2PP_T : 20952
F3PPA_T : 220449
E1 : 234382
PL_2 : 511195
PL_3 : 668192
CLOCK : 654330
TGT_NAI : 0
TGT_BAF : 633069
MOMOTA : 4976793
OKUNO : 123106
FC : 1853
MOMOTA1 : 8847358
MOMOTA2 : 145594160
MOMOTA3 : 144216549
OKUNO1 : 4045728
OKUNO2 : 914104
OKUNO3 : 583588
F3PPB_T : 92202
LIVE_TGT_NAI : 0
LIVE_TGT_BAF : 422410
LIVE_MOMOTA : 3322545
LIVE_OKUNO : 82008
LIVE_FC : 1203
LIVE_MOMOTA1 : 5914602
LIVE_MOMOTA2 : 97977020
LIVE_MOMOTA3 : 96699363
LIVE_OKUNO1 : 2702513
LIVE_OKUNO2 : 610972
LIVE_OKUNO3 : 385912
LIVE_CLOCK : 442219
    
```

Run number:	261	Tape:	25	Name:	N. Imai
Description:	F3 plastic thickness measurement				
Date:	Jun 8	Time:	20:24 ~		
Brho1:	2.03 T.m	Brho2:	2.03 T.m		
NMR1:	564.870	NMR2:	565.165		
Target:	<del>Be(92)</del>	<del>Ta(166)</del>	<del>Be(115) Be(184)</del>		
F1 slit:	$\pm 3.0$ mm	F1PPAC:	<input checked="" type="checkbox"/> IN <input type="checkbox"/> OUT		
Wedge:	<del>none</del>	100mg/Al	60mg/Al		
F2 slit:	<del>open</del>				
F2PPAC:	<input checked="" type="checkbox"/> IN <input type="checkbox"/> OUT	F3PPACs:	<input checked="" type="checkbox"/> IN <input type="checkbox"/> OUT		
F2 Scint:	<input checked="" type="checkbox"/> IN <input type="checkbox"/> OUT	F3 Scint:	<del>IN</del> <input checked="" type="checkbox"/> OUT		
Rips control	<del>yes/no</del>	prisca	yes	SCA file	
Trigger:	F1 PPAC/F1Plastic/F2 <input checked="" type="checkbox"/> Plastic				

Bias voltage table (please compare to previous values)			
U dE=	96.	I dE=	0.53
U E1=	100.	I E1=	2.52
U E2=	97.2	I E2=	1.40
U E3=	95.5	I E3=	0.23
U E4=	95.6	I E4=	0.29
F1_PPAC=	749	NaI(Tl)_1=	100
F2_PPAC=	750	NaI(Tl)_2=	
F3_PPACA=	755	NaI(Tl)_3=	
F3_PPACB=	755	BaF=	1352

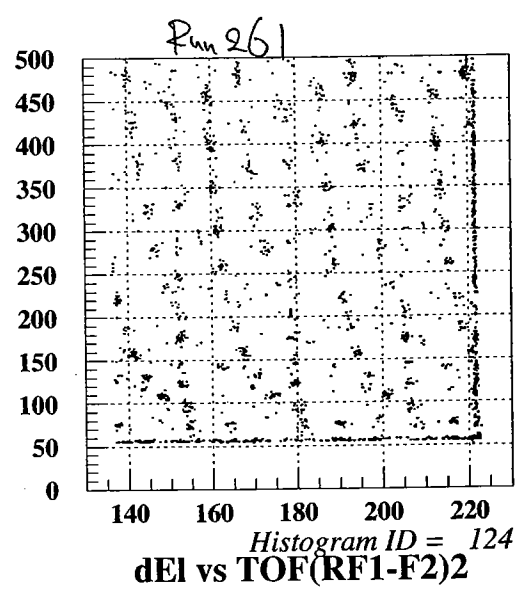
RIPS Control Summary				2004/06/08 20:33:14			
Parameter	Set Curr.	Read Curr.	Target	F1	F2	F3	
Q1	1.3167	132.1917	132.265		FC Out		
Q2	1.5337	105.5260	104.299	Tgt 95.9 mm	Rgt 50.1 mm		
Q3	0.7725	100.1739	100.563	FC Out	Lft 50.0 mm		
SX1	0.0000	0.1469	0.000	Up 24.0 mm	Dwn 24.0 mm	PPAC	
D1	0.2777	314.1913	316.360	Rgt 24.0 mm	Lft 23.8 mm	SSD -94.8 mm	
SX2	0.0000	0.1469	0.000			Deg Out -4.9 deg.	
Q4	0.5572	54.4472	54.366	Lgt On	Pla IN		
Q5	0.7942	68.1957	68.391				
Q6	0.6197	60.7333	61.127				
SX3	0.0000	0.1469	0.000				
D2	0.2777	326.7413	325.762	F1		F3	
SX4	0.0000	0.1469	0.000	D1 119.9 mm		PPAC1 IN	
Q7	0.6468	83.8527	84.409	ld -134.9 mm		Rgt 49.9 mm	
Q8	1.1259	87.5160	87.481	Rgt 3.0 mm		Lft 50.0 mm	
Q9	1.0222	102.3996	102.452	Lft 3.0 mm		PPAC2 IN	
Q10	1.1110	117.6582	119.131	Mom Out		SSD Out	
Q11	1.4205	129.1429	127.585	Deg Exp		Pla Out	
Q12	1.1106	117.6150	118.019	PPAC Out		Lgt	
Focus	Brho	TA-F1 2.0300	Im	Rot 0	deg.		
F1-F2 2.0300	Im	F2-F3 2.0300	Im				

Ta target

F3 plastic OUT!

Thickness of F3 plastic determination

6/10/04 20:42		prisca	
Run261			
Start	-- Tue Jun 8	20:24:52	2004
Stop	-- Tue Jun 8	20:42:15	2004
Scaler Name :	Total		
UNGATED :	571711		
GATED :	465936		
NONE :	7638		
F1PP T :	29		
F2 SI :	0		
CLEAR :	465919		
F2PP T :	567197		
F3PPA T :	546632		
E1 :	546556		
PL_2 :	559423		
PL_3 :	5		
CLOCK :	1041700		
TGT_NAI :	3		
TGT_BAF :	2650		
MOMOTA :	50299		
OKUNO :	5130		
FC :	4202		
MOMOTA1 :	656443		
MOMOTA2 :	90104422		
MOMOTA3 :	79348173		
OKUNO1 :	87007		
OKUNO2 :	21874		
OKUNO3 :	10648		
F3PPB T :	535729		
LIVE_TGT_NAI :	3		
LIVE_TGT_BAF :	2115		
LIVE_MOMOTA :	40766		
LIVE_OKUNO :	4175		
LIVE_FC :	3431		
LIVE_MOMOTA1 :	535960		
LIVE_MOMOTA2 :	73560499		
LIVE_MOMOTA3 :	64791164		
LIVE_OKUNO1 :	70667		
LIVE_OKUNO2 :	17704		
LIVE_OKUNO3 :	8676		
LIVE_CLOCK :	851285		



with Run 193

Run number:	262	Tape:	25	Name:	MM
Description:	Comparison with Run 193 before the beam time				
Date:	6/8/2004	Time:	20:50		
Brho1:	2.67	Brho2:	2.67		
NMR1:	741.121	NMR2:	741.559		
Target:	Be(92)	Ta(166)	Be(115) Be(181)		
F1 slit:	53 mm	F1PPAC:	IN OUT		
Wedge:	none	100mg/Al	60mg/Al		
F2 slit:	open				
F2PPAC:	IN OUT	F3PPACs:	IN OUT		
F2 Scint:	IN OUT	F3 Scint:	IN OUT		
Rips control	yes/no	prisca	SCA file		
Trigger:	F1 PPAC/F1Plastic/F2 Plastic				

Bias voltage table (please compare to previous values)			
U dE=	+96.0 V	I dE=	0.52 $\mu$ A
U E1=	+100.0 V	I E1=	2.52 $\mu$ A
U E2=	+99.2 V	I E2=	1.43 $\mu$ A
U E3=	+95.5 V	I E3=	0.23 $\mu$ A
U E4=	+95.6 V	I E4=	0.30 $\mu$ A
F1_PPAC=	-749 V	NaI(Tl) 1=	+0.1 kV
F2_PPAC=	-750	NaI(Tl) 2=	
F3_PPACA=	-755	NaI(Tl) 3=	
F3_PPACB=	-755	BaF=	-1352 V

F2 plastic = -1897.8 V (Left)  
 -1899.8 V (Right)

F3 plastic = -1808.0 V (Left)  
 -1799.0 V (Right)

### RIPS Control Summary 2004/06/08 20:58:06

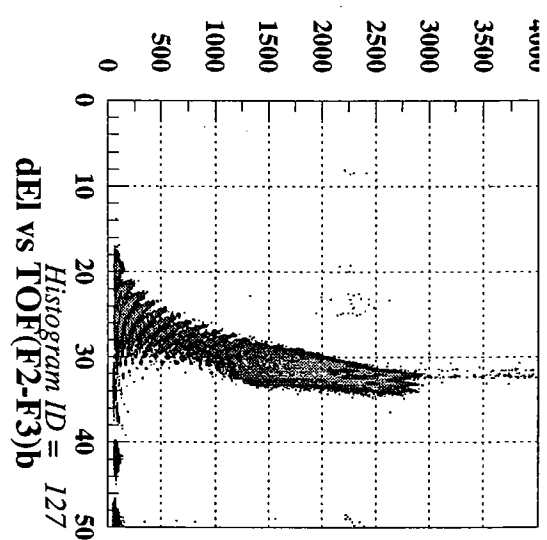
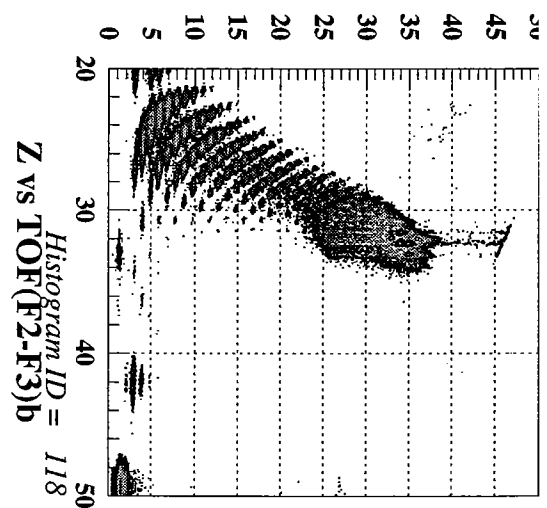
Parameter	Set Curr.	Read Curr.	Target	F2
Q1	1.3167	174.1856	173.939	FC Out
Q2	1.5337	138.8556	136.811	Rgt 50.1 mm
Q3	0.7725	131.7966	131.745	Lft 50.0 mm
SX1	0.0000	0.1469	0.000	PPAC
D1	0.2777	413.4486	416.812	SSD -94.7 mm
SX2	0.0000	0.1469	0.000	Out
Q4	0.5572	72.1156	72.088	Deg -4.9 deg.
Q5	0.7942	90.1857	90.425	Pla IN
Q6	0.6197	80.3835	80.650	
SX3	0.0000	0.1469	0.021	
D2	0.2777	429.8020	429.149	F1
SX4	0.0000	0.1469	0.000	D1 119.8 mm
Q7	0.6468	110.3298	111.163	ld -134.9 mm
Q8	1.1259	115.0381	115.323	Rgt 3.1 mm
Q9	1.0222	135.0010	135.068	Lft 3.0 mm
Q10	1.1110	154.7928	156.839	Mom Out
Q11	1.4205	169.7679	167.396	Deg Emp
Q12	1.1106	154.7369	155.727	PPAC Out
Focus	Brho	TA-F1 2.6700	Tm	Rot 0 deg.
F1-F2 2.6700	Tm	F2-F3 2.6700	Tm	

6:08, 04 21:20 prisca

Run262

Start -- Tue Jun 8 20:49:24 2004  
 Stop -- Tue Jun 8 21:20:08 2004

Scaler Name :	Total
UNGATED :	1521288
GATED :	1131819
NONE :	18552
F1PP_T :	17445
F2_SI :	0
CLEARs :	1131673
F2PP_T :	1111726
F3PPA_T :	1267499
E1 :	1215353
PL_2 :	1280740
PL_3 :	1423840
CLOCK :	1841143
TGT_NAI :	358
TGT_BAF :	98857
MOMOTA :	929465
OKUNO :	24356
FC :	7171
MOMOTA1 :	2706420
MOMOTA2 :	173991710
MOMOTA3 :	155209875
OKUNO1 :	796979
OKUNO2 :	179425
OKUNO3 :	114733
F3PPB_T :	1175046
LIVE_TGT_NAI :	257
LIVE_TGT_BAF :	73348
LIVE_MOMOTA :	691096
LIVE_OKUNO :	18172
LIVE_FC :	5161
LIVE_MOMOTA1 :	2016316
LIVE_MOMOTA2 :	130063651
LIVE_MOMOTA3 :	116004332
LIVE_OKUNO1 :	592878
LIVE_OKUNO2 :	133258
LIVE_OKUNO3 :	84867
LIVE_CLOCK :	1377303



Run number:	262263	Tape: 25	Name: HM
Description:	Comparison to Run 194		
Date:	6/8/2004	Time:	21:25
Brho1:	2.70	Brho2:	2.70
NMR1:		NMR2:	
Target:	Be(92)	Ta(166)	Be(115) Be(181)
F1 slit:	3 mm	F1PPAC:	IN OUT
Wedge:	none	100mg/Al	60mg/Al
F2 slit:	open		
F2PPAC:	IN OUT	F3PPACs:	IN OUT
F2 Scint:	IN OUT	F3 Scint:	IN OUT
Rips control	yes/no	prisca	SCA file
Trigger:	F1 PPAC/F1Plastic/F2 Plastic		

Bias voltage table (please compare to previous values)			
U dE=	+ 96 V	I dE=	0.54 $\mu$ A
U E1=	+ 100 V	I E1=	2.55 $\mu$ A
U E2=	+ 97.2 V	I E2=	1.47 $\mu$ A
U E3=	+ 95.5 V	I E3=	0.23 $\mu$ A
U E4=	+ 95.5 V	I E4=	0.29 $\mu$ A
F1_PPAC=	- 750 $\mu$ 748	NaI(Tl) 1=	0.1 $\mu$ V
F2_PPAC=	- 750 $\mu$	NaI(Tl) 2=	
F3_PPACA=	- 755 $\mu$	NaI(Tl) 3=	
F3_PPACB=	- 755 $\mu$	BaF=	-1352V

RIPS Control Summary			2004/06/08 21:34:12		
Q1	Parameter	Set Curr.	Read Curr.	Target	F2
Q2	1.3167	176.1541	175.833	Tgt 194.5 mm	FC Out
Q3	1.5337	140.4179	138.591	FC Out	Rgt 50.1 mm
SX1	0.7725	133.2789	133.218	Up 24.0 mm	Lft 50.0 mm
D1	0.0000	0.1469	0.000	Dwn 24.0 mm	PPAC
SX2	0.2777	418.1013	421.108	Rgt 24.0 mm	SSD -94.8 mm
SX4	0.0000	0.1469	0.000	Lft 23.8 mm	Deg Out -4.9 deg.
Q4	0.6197	81.3046	81.521	Lgt	Pla IN
Q5	0.0000	0.1469	0.000	F1	F3
Q6	0.2777	434.6329	434.438	D1 119.8 mm	PPAC1 IN
Q7	0.0000	0.1469	0.000	ld -134.9 mm	Rgt 49.9 mm
Q8	0.6468	111.5709	112.708	Rgt 3.1 mm	Lft 50.0 mm
Q9	1.1259	116.3282	116.588	Lft 3.0 mm	PPAC2 IN
Q10	1.0222	136.5292	136.760	Mom Out	SSD Out
Q11	1.1110	156.5335	158.730	Deg Emp	Pla IN
Q12	1.4205	171.6722	169.706	PPAC Out	Lgt
Q12	1.1106	156.4770	157.729	Rot 0 deg.	
Focus	Brho	TA-F1	2.7000 Tm		
F1-F2	2.7000 Tm	F2-F3	2.7000 Tm		

Update

exit

6/08, 04 21:55		prisca
Run263		
Start	-- Tue Jun 8 21:24:58 2004	
Stop	-- Tue Jun 8 21:55:31 2004	
Scaler Name :	Total	
UNGATED :	1341968	
GATED :	1026720	
NONE :	16830	
F1PP_T :	8179	
F2_S1 :	0	
CLEAR_S :	1026631	
F2PP_T :	850550	
F3PPA_T :	1050972	
E1 :	1016470	
PL_2 :	1081867	
PL_3 :	1249467	
CLOCK :	1830308	
TGT_NAI :	29	
TGT_BAF :	138399	
MOMOTA :	1279872	
OKUNO :	33785	
FC :	6921	
MOMOTA1 :	3276469	
MOMOTA2 :	177296743	
MOMOTA3 :	158734458	
OKUNO1 :	1104362	
OKUNO2 :	246978	
OKUNO3 :	157898	
F3PPB_T :	930044	
LIVE_TGT_NAI :	24	
LIVE_TGT_BAF :	106149	
LIVE_MOMOTA :	980726	
LIVE_OKUNO :	25860	
LIVE_FC :	4945	
LIVE_MOMOTA1 :	2514646	
LIVE_MOMOTA2 :	136450811	
LIVE_MOMOTA3 :	122131331	
LIVE_OKUNO1 :	846705	
LIVE_OKUNO2 :	189481	
LIVE_OKUNO3 :	120056	
LIVE_CLOCK :	1409661	



Run number:	263 264	Tape:	Name: H4
Description:	real fragment Run		
Date:	6/8/2004	Time:	22:05
Brho1:	2.93	Brho2:	2.93
NMR1:	813.62	NMR2:	814.20
Target:	Be(92)	Ta(166)	Be(115) Be(181)
F1 slit:	13 mm	F1PPAC:	IN OUT
Wedge:	none	100mg/Al	60mg/Al
F2 slit:	open		
F2PPAC:	IN OUT	F3PPACs:	IN OUT
F2 Scint:	IN OUT	F3 Scint:	IN OUT
Rips control	yes/no	prisca	SCA file
Trigger:	F1 PPAC/F1Plastic/F2 Plastic		

Bias voltage table (please compare to previous values)			
U dE=	+ 10096 V	I dE=	0.52 0.52 A 2.52
U E1=	+ 100 V	I E1=	2.5 0.52 A 2.52
U E2=	+ 97.2 V	I E2=	1.48 A
U E3=	+ 95.5 V	I E3=	0.24 A
U E4=	+ 95.6 V	I E4=	0.30 A
F1_PPAC=	- 748 V	NaI(Tl)_1=	0.10 kV
F2_PPAC=	- 750 V	NaI(Tl)_2=	
F3_PPACA=	- 755 V	NaI(Tl)_3=	
F3_PPACB=	- 755 V	BaF=	- 13

change threshold of F2 pl L.R

-30 mV → -300 mV

prisca

6/08, 04 23:01  
Run264

Start -- Tue Jun 8 22:06:13 2004  
Stop -- Tue Jun 8 23:01:10 2004

Scaler Name : Total

```

UNGATED : 12221
GATED : 12200
NONE : 200
F1PP_T : 17395
F2_SI : 0
CLEARS : 12201
F2PP_T : 301643
F3PPA_T : 2732085
E1 : 2991935
PL_2 : 4437
PL_3 : 7631297
CLOCK : 3282513
TGT_NAI : 388
TGT_BAF : 7559103
MOMOTA : 62743587
OKUNO : 1437946
FC : 6288
MOMOTAI : 100398690
MOMOTA2 : 1327393671
MOMOTA3 : 1304796350
OKUNO1 : 47050023
OKUNO2 : 10591834
OKUNO3 : 6737332
F3PPB_T : 1188819
LIVE_TGT_NAI : 388
LIVE_TGT_BAF : 7547568
LIVE_MOMOTA : 62645711
LIVE_OKUNO : 1435732
LIVE_FC : 6277
LIVE_MOMOTAI : 100395198
LIVE_MOMOTA2 : 1332457266
LIVE_MOMOTA3 : 1304336776
LIVE_OKUNO1 : 46976364
LIVE_OKUNO2 : 10575428
LIVE_OKUNO3 : 6726775
LIVE_CLOCK : 3277541
    
```

Run number:	#265	Tape:	#26	Name:	0265
Description:	Brho = 2.93, full intensity				
Date:	June 8, 2004	Time:	23:04		
Brho1:	2.93	Brho2:	2.93		
NMRI:	813.62	NMR2:	814.20		
Target:	Be(92)	Ta(166)	Be(115) Be(181)		
F1 slit:	12 mm	F1PPAC:	IN OUT		
Wedge:	none	100mg/Al	60mg/Al		
F2 slit:	open				
F2PPAC:	IN OUT	F3PPACs:	IN OUT		
F2 Scint:	IN OUT	F3 Scint:	IN OUT		
Rips control	yes/no	prisca	SCA file		
Trigger:	F1 PPAC/F1 Plastic/F2 Plastic				

Bias voltage table (please compare to previous values)	
U dE=	I dE=
U E1=	I E1=
U E2=	I E2=
U E3=	I E3=
U E4=	I E4=
F1_PPAC=	NaI(Tl)_1=
F2_PPAC=	NaI(Tl)_2=
F3_PPACA=	NaI(Tl)_3=
F3_PPACB=	BaF=

RIPS Control Summary				2004/06/08 23:39:37			
Parameter	Set	Curr.	Read	Curr.	Target		
Q1	1.3167	191.2457	190.876			F2	
Q2	1.5337	152.3958	150.575		Tgt 194.5 mm	FC	Out
Q3	0.7725	144.6433	144.911			Rgt	50.1 mm
SX1	0.0000	0.1469	0.000		Up 24.0 mm	Lft	50.0 mm
D1	0.2777	453.7719	457.347		Dwn 24.0 mm	PPAC	
SX2	0.0000	0.1469	0.000		Rgt 24.0 mm	SSD	-94.8 mm
Q4	0.5572	79.2934	79.286		Lft 23.8 mm	Deg	Out
Q5	0.7942	99.1191	99.338		Lgt		-4.9 deg.
Q6	0.6197	88.3664	88.645			Pla	IN
SX3	0.0000	0.1469	0.000			F1	
D2	0.2777	471.6703	470.927		D1 119.8 mm	F3	
SX4	0.0000	0.1469	0.000		ld -134.9 mm	PPAC1	IN
Q7	0.6468	121.0861	122.466		Rgt 3.0 mm	Rgt	49.9 mm
Q8	1.1259	126.2190	126.633		Lft 3.0 mm	Lft	50.0 mm
Q9	1.0222	148.2454	148.791		Mom Out	PPAC2	IN
Q10	1.1110	169.8788	172.078		Deg Emp	SSD	Out
Q11	1.4205	186.2717	183.837		PPAC Out	Pla	IN
Q12	1.1106	169.8179	170.743		Rot 0 deg.	Lgt	
Focus	Brho	TA-F1	2.9300	Tm			
F1-F2	2.9300	Tm	F2-F3	2.9300	Tm		

6:09, 04 0:02		prisca
Run265		
Start -- Tue Jun 8 23:04:29 2004		
Stop -- Wed Jun 9 00:02:13 2004		
Scaler Name :	Total	
UNGATED :	5250	
GATED :	5246	
NONE :	86	
F1PP T :	17646	
F2 SI :	0	
CLEAR S :	5247	
F2PP T :	7219	
F3PPA T :	70706	
E1 :	5828	
PL 2 :	34	
PL 3 :	100120	
CLOCK :	3434158	
TGT NAI :	14	
TGT BAF :	7508142	
MOMOTA :	62753925	
OKUNO :	1441496	
FC :	6441	
MOMOTA1 :	100625328	
MOMOTA2 :	322941837	
MOMOTA3 :	414983455	
OKUNO1 :	47185445	
OKUNO2 :	10595904	
OKUNO3 :	6731707	
F3PPB T :	7189	
LIVE TGT NAI :	14	
LIVE TGT BAF :	7503485	
LIVE MOMOTA :	62713281	
LIVE OKUNO :	1440584	
LIVE FC :	6434	
LIVE MOMOTA1 :	100707917	
LIVE MOMOTA2 :	312606895	
LIVE MOMOTA3 :	398987140	
LIVE OKUNO1 :	47154881	
LIVE OKUNO2 :	10589127	
LIVE OKUNO3 :	6727328	
LIVE_CLOCK :	3431970	

Run number:	266	Tape:	26	Name:	HPJ
Description:	start run 266, Brho is 2.93, full intensity				
Date:	6/9/2004.	Time:	00:02:48		
Brho1:	2.93 (Tn)	Brho2:	2.93		
NMR1:	813.617 (wt)	NMR2:	814.206		
Target:	Be(92)	Ta(166)	Be(115) Be(181)		
F1 slit:	±3 mm	F1PPAC:	IN	OUT	
Wedge:	none	100mg/Al	60mg/Al		
F2 slit:	open				
F2PPAC:	IN	OUT	F3PPACs:	IN	OUT
F2 Scint:	IN	OUT	F3 Scint:	IN	OUT
Rips control	yes/no	prisca	SCA file		
Trigger:	F1 PPAC/F1Plastic/F2 Plastic				

Bias voltage table (please compare to previous values)			
U dE=	96.0 (v)	I dE=	0.52 (mA)
U E1=	100	I E1=	2.51
U E2=	97.2	I E2=	1.46
U E3=	95.5	I E3=	0.23
U E4=	95.6	I E4=	0. <del>30</del>
F1_PPAC=	-748 (v)	NaI(Tl)_1=	0.10 (kV)
F2_PPAC=	-750	NaI(Tl)_2=	
F3_PPACA=	-755	NaI(Tl)_3=	
F3_PPACB=	-755	BaF=	1352.0 (v)

RIPS Control Summary				2004/06/09 00:21:28	
Parameter	Set Curr.	Read Curr.	Target	F2	
Q1	1.3167	191.2457	190.988	FC	Out
Q2	1.5337	152.3958	150.575	Rgt	50.0 mm
Q3	0.7725	144.6433	144.911	Lft	50.0 mm
SX1	0.0000	0.1469	0.000	PPAC	
D1	0.2777	453.7719	457.611	SSD	-94.8 mm
SX2	0.0000	0.1469	0.000	Deg	Out
Q4	0.5572	79.2934	79.286	Lft	-4.9 deg.
Q5	0.7942	99.1191	99.338	Lgt	IN
Q6	0.6197	88.3664	88.482		
SX3	0.0000	0.1469	0.000		
D2	0.2777	471.6703	471.192	F1	
SX4	0.0000	0.1469	0.000	DI	119.8 mm
Q7	0.6468	121.0861	122.629	ld	-134.9 mm
Q8	1.1259	126.2190	126.554	Rgt	3.1 mm
Q9	1.0222	148.2454	148.603	Lft	3.0 mm
Q10	1.1110	169.8788	172.078	Mom	Out
Q11	1.4205	186.2717	184.516	Deg	Emp
Q12	1.1106	169.8175	170.743	PPAC	Out
				F3	
				PPAC1	IN
				Rgt	49.9 mm
				Lft	50.0 mm
				PPAC2	IN
				SSD	Out
				Pla	IN
				Lgt	

6:09,04 1:00		prisca
Run266		
Start	-- Wed Jun 9 00:02:48 2004	
Stop	-- Wed Jun 9 01:00:43 2004	
Scaler Name :		Total
UNGATED :		4882
GATED :		4880
NONE :		80
FLPP_T :		16215
F2_SI :		0
CLEAR_S :		4881
F2PP_T :		6786
F3PPA_T :		66421
E1 :		5314
PL_2 :		32
PL_3 :		93262
CLOCK :		3420734
TGT_NAI :		14
TGT_BAF :		6863672
MOMOTA :		57415828
OKUNO :		1329789
FC :		6879
MOMOTA1 :		92909896
MOMOTA2 :		252056798
MOMOTA3 :		381967008
OKUNO1 :		43587000
OKUNO2 :		9784026
OKUNO3 :		6209946
F3PPB_T :		6827
LIVE_TGT_NAI :		14
LIVE_TGT_BAF :		6859738
LIVE_MOMOTA :		57381255
LIVE_OKUNO :		1329012
LIVE_FC :		6873
LIVE_MOMOTA1 :		92980847
LIVE_MOMOTA2 :		258015997
LIVE_MOMOTA3 :		382689659
LIVE_OKUNO1 :		43561089
LIVE_OKUNO2 :		9778379
LIVE_OKUNO3 :		6206326
LIVE_CLOCK :		3418705

Run number:	267	Tape:	26	Name:	AK
Description:	Same as run 266				
Date:	6/9/04	Time:	1:02 a.m.		
Brho1:	2.93	Brho2:	2.93		
NMR1:	813.617	NMR2:	814.206		
Target:	Be(92)	Ta(166)	Be(115) Be(181)		
F1 slit:	3 mm	F1PPAC:	IN OUT		
Wedge:	none	100mg/Al	60mg/Al		
F2 slit:	open				
F2PPAC:	IN OUT	F3PPACs:	IN OUT		
F2 Scint:	IN OUT	F3 Scint:	IN OUT		
Rips control	yes/no	prisca	SCA file		
Trigger:	F1 PPAC/F1Plastic/F2 Plastic				

Bias voltage table (please compare to previous values)			
U_dE=	96.0	I_dE=	0.52
U_E1=	100	I_E1=	2.51
U_E2=	97.2	I_E2=	1.46
U_E3=	95.5	I_E3=	0.23
U_E4=	95.6	I_E4=	0.30
F1_PPAC=	-748	NaI(Tl)_1=	100
F2_PPAC=	-750	NaI(Tl)_2=	100
F3_PPACA=	-755	NaI(Tl)_3=	100
F3_PPACB=	-755	BaF=	1352.0

6-1 09, 04 2:02

prisca

Run267

Start -- Wed Jun 9 01:02:29 2004  
 Stop -- Wed Jun 9 02:02:20 2004

Scaler Name :	Total
UNGATED :	4637
GATED :	4636
NONE :	76
F1PP T :	15370
F2 SI :	0
CLEARs :	4637
F2PP T :	6494
F3PPA T :	63901
E1 :	5173
PL 2 :	28
PL 3 :	90593
CLOCK :	3514081
TGT NAI :	485
TGT BAF :	6447256
MOMOTA :	54555675
OKUNO :	1274477
FC :	7325
MOMOTA1 :	89499062
MOMOTA2 :	297234696
MOMOTA3 :	310410467
OKUNO1 :	41745570
OKUNO2 :	9375926
OKUNO3 :	5934061
F3PPB T :	6721
LIVE TGT NAI :	485
LIVE TGT BAF :	6443763
LIVE MOMOTA :	54525572
LIVE OKUNO :	1273740
LIVE FC :	7319
LIVE MOMOTA1 :	89562222
LIVE MOMOTA2 :	269284196
LIVE MOMOTA3 :	311111849
LIVE OKUNO1 :	41722832
LIVE OKUNO2 :	9370909
LIVE OKUNO3 :	5930838
LIVE_CLOCK :	3512217

Run number:	268	Tape:	27	Name:	ARC
Description:	New Brho - Full intensity				
Date:	6/9/04	Time:	02:24:09		
Brho1:	2.96	Brho2:	2.96		
NMR1:	821.854	NMR2:	822.340		
Target:	(Be(92))	Ta(166)	Be(115) Be(181)		
F1 slit:	± 3 mm	F1PPAC:	<del>IN</del> OUT		
Wedge:	none	100mg/Al	60mg/Al		
F2 slit:	open				
F2PPAC:	<del>IN</del> OUT	F3PPACs:	<del>IN</del> OUT		
F2 Scint:	<del>IN</del> OUT	F3 Scint:	<del>IN</del> OUT		
Rips control	yes/no	prisca	SCA file		
Trigger:	F1 PPAC/F1Plastic/E2 Plastic				

Bias voltage table (please compare to previous values)					
U dE=	96.0	I dE=	0.52		
U E1=	100.	I E1=	2.51		
U E2=	97.2	I E2=	1.46		
U E3=	95.5	I E3=	0.23		
U E4=	95.6	I E4=	0.30		
F1_PPAC=	- 748	NaI(Tl) 1=	100		
F2_PPAC=	- 750	NaI(Tl) 2=	100		
F3_PPACA=	- 755	NaI(Tl) 3=	100		
F3_PPACB=	- 755	BaF=	1352.0		

Before this run, RF of LINAC is down.

They (Operators) change the stripper foil

beam intensity becomes very high

ung: ~ ~~0.16 cps~~  
4 cps



RIPS Control Summary				2004/06/09 02:36:43	
Parameter	Set Curr.	Read Curr.	Target	F2	
Q1	1.3167	193.2142	192.993	Tgt 194.6	mm
Q2	1.5337	153.9581	152.117	FC Out	Rgt 50.0 mm
Q3	0.7725	146.1256	146.384	Up 24.0	mm
SX1	0.0000	0.1469	0.000	Dwn 24.0	mm
D1	0.2777	458.4246	461.844	Rgt 24.0	mm
SX2	0.0000	0.1469	0.000	Lft 23.8	mm
Q4	0.5572	80.1216	80.104	Lgt	Pla IN
Q5	0.7942	100.1496	100.204		
Q6	0.6197	89.2875	89.515		
SX3	0.0000	0.1469	0.000		
D2	0.2777	476.5013	476.216	F1	F3
Sx4	0.0000	0.1469	0.000	D1 119.8	mm
Q7	0.6468	122.3272	124.011	ld -134.9	mm
Q8	1.1259	127.5091	128.136	Rgt 3.1	mm
Q9	1.0222	149.7736	150.013	Lft 3.0	mm
Q10	1.1110	171.6194	173.858	Mom Out	SSD Out
Q11	1.4205	188.1760	185.875	Deg Emp	Pla IN
Q12	1.1106	171.5575	172.301	PPAC Out	Lgt
Focus	Brho	Ta-F1 2.9600	Tm	Rot 0	deg.
F1-F2 2.9600	Tm	F2-F3 2.9600	Tm	<input type="button" value="Update"/> <input type="button" value="exit"/>	

6:09.04 3:23		prisca
Run268		
Start	-- Wed Jun 9 02:24:09 2004	
Stop	-- Wed Jun 9 03:23:39 2004	
Scaler Name :	Total	
UNGATED :	13196	
GATED :	13176	
NONE :	216	
F1PP T :	71779	
F2 SI :	0	
CLEARs :	13177	
F2PP T :	22072	
F3PPA T :	218726	
E1 :	20194	
PL 2 :	104	
PL 3 :	283291	
CLOCK :	3548864	
TGT_NAI :	9	
TGT_BAF :	59961010	
MOMOTA :	244547106	
OKUNO :	5968890	
FC :	60	
MOMOTA1 :	398924252	
MOMOTA2 :	887768065	
MOMOTA3 :	799816767	
OKUNO1 :	201154172	
OKUNO2 :	43722013	
OKUNO3 :	27859998	
F3PPB T :	21169	
LIVE TGT_NAI :	9	
LIVE TGT_BAF :	59877653	
LIVE_MOMOTA :	244167632	
LIVE_OKUNO :	5959591	
LIVE_FC :	60	
LIVE_MOMOTA1 :	400135214	
LIVE_MOMOTA2 :	910519014	
LIVE_MOMOTA3 :	807802592	
LIVE_OKUNO1 :	200842013	
LIVE_OKUNO2 :	43654087	
LIVE_OKUNO3 :	27816849	
LIVE_CLOCK :	3543466	

Run number:	269	Tape:	27	Name:	411
Description:	Same as run 268. Full intensity				
Date:	6/9/04	Time:	03:25:43		
Brho1:	0.96	Brho2:	2.96		
NMR1:	821.859	NMR2:	822.457		
Target:	Be(92)	Ta(166)	Be(115) Be(181)		
F1 slit:	± 3 mm	F1PPAC:	IN OUT		
Wedge:	none	100mg/Al	60mg/Al		
F2 slit:	open				
F2PPAC:	IN OUT	F3PPACs:	IN OUT		
F2 Scint:	IN OUT	F3 Scint:	IN OUT		
Rips control	yes/no	prisca	SCA file		
Trigger:	F1 PPAC/F1Plastic/F2 Plastic				

Bias voltage table (please compare to previous values)			
U dE=	96.0	I dE=	0.52
U E1=	100.	I E1=	2.50
U E2=	97.9	I E2=	1.47
U E3=	95.5	I E3=	0.23
U E4=	95.6	I E4=	0.30
F1_PPAC=	-749	NaI(Tl)_1=	100
F2_PPAC=	-750	NaI(Tl)_2=	100
F3_PPACA=	-755	NaI(Tl)_3=	100
F3_PPACB=	-755	BaF=	1352.0

RIPS Control Summary				2004/06/09 03:42:59			
Parameter	Set Curr.	Read Curr.	Target	F2			
Q1	1.3167	193.2142	192.993	Tgt 194.5	mm	FC Out	
Q2	1.5337	153.9581	151.643	FC Out		Rgt 50.0	mm
Q3	0.7725	146.1256	146.644	Up 24.0	mm	Lft 50.0	mm
SX1	0.0000	0.1469	0.000	Dwn 24.0	mm	PPAC	
B1	0.2777	458.4246	461.844	Rgt 24.0	mm	SSD -94.8	mm
SX2	0.0000	0.1469	0.000	Lft 23.8	mm	Deg Out	deg.
Q4	0.5572	80.1216	80.104	Lgt		Pla IN	
Q5	0.7942	100.1499	100.390				
Q6	0.6197	89.2875	89.515				
SX3	0.0000	0.1469	0.021				
D2	0.2777	476.5013	475.951	F1		F3	
SX4	0.0000	0.1469	0.079	D1 119.8	mm	PPAC1 IN	
Q7	0.6468	122.3272	123.767	ld -134.9	mm	Rgt 49.9	mm
Q8	1.1259	127.5091	127.741	Rgt 3.1	mm	Lft 50.0	mm
Q9	1.0222	149.7736	150.107	Lft 3.0	mm	PPAC2 IN	
Q10	1.1110	171.6194	174.080	Mom Out		SSD Out	
Q11	1.4205	188.1760	185.467	Deg Exp		Pla IN	
Q12	1.1106	171.5575	172.301	PPAC Out		Lgt	
Focus	Brho	TA-F1 2.9600	Im	Rot 0	deg.		
F1-F2 2.9600	Im	F2-F3 2.9600	Im				

6:09.04 4:25		prisca
Run269		
Start	-- Wed Jun 9 03:24:35 2004	
Stop	-- Wed Jun 9 04:25:22 2004	
Scaler Name	:	Total
UNGATED	:	12100
GATED	:	12078
NONE	:	198
F1PP T	:	64762
F2 SI	:	0
CLEARs	:	12079
F2PP T	:	20374
F3PPA T	:	198572
E1	:	18489
PL 2	:	117
PL 3	:	258201
CLOCK	:	3611557
TGT NAI	:	6
TGT BAF	:	44184586
MOMOTA	:	220880251
OKUNO	:	5373274
FC	:	50
MOMOTA1	:	359871916
MOMOTA2	:	876530344
MOMOTA3	:	704462738
OKUNO1	:	179771972
OKUNO2	:	39187969
OKUNO3	:	24824440
F3PPB T	:	19442
LIVE TGT NAI	:	6
LIVE TGT BAF	:	44128186
LIVE MOMOTA	:	220572737
LIVE OKUNO	:	5365719
LIVE FC	:	50
LIVE MOMOTA1	:	360824490
LIVE MOMOTA2	:	881024561
LIVE MOMOTA3	:	711207964
LIVE OKUNO1	:	179522027
LIVE OKUNO2	:	39133471
LIVE OKUNO3	:	24789948
LIVE_CLOCK	:	3606577

exit

Run number:	270	Tape:	27	Name:	47
Description:	cont. of run 269. Full intensity				
Date:	8/9/54	Time:	4:26 a.m.		
Brho1:	2.96	Brho2:	2.96		
NMR1:	821.860	NMR2:	822.456		
Target:	Be(92)	Ta(166)	Be(115) Be(181)		
F1 slit:	3 mm	F1PPAC:	IN OUT		
Wedge:	none	100mg/Al	60mg/Al		
F2 slit:	open				
F2PPAC:	IN OUT	F3PPACs:	IN OUT		
F2 Scint:	IN OUT	F3 Scint:	IN OUT		
Rips control	yes/no	prisca	SCA file		
Trigger:	F1 PPAC/F1Plastic/F2 Plastic				

Bias voltage table (please compare to previous values)			
U dE=	96.0	I dE=	0.52
U E1=	100.	I E1=	2.50
U E2=	97.9	I E2=	1.74
U E3=	95.5	I E3=	0.23
U E4=	95.6	I E4=	0.30
F1 PPAC=	-748	NaI(Tl) 1=	100
F2 PPAC=	-750	NaI(Tl) 2=	100
F3 PPACA=	-755	NaI(Tl) 3=	100
F3 PPACB=	-755	BaF=	1352.0

RIPS Control Summary				2004/06/09 04:37:54			
Parameter	Set	Curr.	Read	Target		F2	
Q1	1.3167	193.2142	192.993	Tgt	194.6	FC	Out
Q2	1.5337	153.9581	152.236	FC	Out	Rgt	50.0 mm
Q3	0.7725	146.1256	146.210	Up	24.0	Lft	50.0 mm
SX1	0.0000	0.1469	0.000	Dwn	24.0	PPAC	
D1	0.2777	458.4246	461.844	Rgt	24.0	SSD	-94.8 mm
SX2	0.0000	0.1469	0.000	Lft	23.8	Deg	Out
Q4	0.5572	80.1216	80.050	Lgt		Pla	-4.9 deg.
Q5	0.7942	100.1499	100.266				
Q6	0.6197	89.2875	89.624				
SX3	0.0000	0.1469	0.000				
D2	0.2777	476.5013	475.951				
Sx4	0.0000	0.1469	0.000	F1		F3	
Q7	0.6468	122.3272	124.011	Dl	119.8	PPAC1	IN
Q8	1.1259	127.5091	127.899	ld	-134.9	Rgt	49.9 mm
Q9	1.0222	149.7736	150.107	Rgt	3.1	Lft	50.0 mm
Q10	1.1110	171.6194	173.858	Lft	3.0	PPAC2	IN
Q11	1.4205	188.1760	186.282	Mom	Out	SSD	Out
Q12	1.1106	171.5575	172.412	Deg	Emp	Pla	IN
				PPAC	Out	Lgt	
Focus		Brho	TA-F1 2.9600	Rot	0		
F1-F2	2.9600	Tm	F2-F3 2.9600				

Update

exit

6* 09, 04 5:25		prisca	
Run270			
Start	--	Wed Jun 9	04:26:08 2004
Stop	--	Wed Jun 9	05:25:41 2004
Scaler Name :		Total	
UNGATED :		10505	
GATED :		10492	
NONE :		172	
F1PP T :		57703	
F2 SI :		0	
CLEAR S :		10493	
F2PP T :		18184	
F3PPA T :		177591	
E1 :		16764	
PL 2 :		114	
PL 3 :		230904	
CLOCK :		3537664	
TGT NAI :		18	
TGT BAF :		35197116	
MOMOTA :		196642913	
OKUNO :		4783722	
FC :		47	
MOMOTA1 :		320241286	
MOMOTA2 :		862011249	
MOMOTA3 :		736367784	
OKUNO1 :		159380653	
OKUNO2 :		34825652	
OKUNO3 :		21960001	
F3PPB T :		17391	
LIVE TGT NAI :		18	
LIVE TGT BAF :		35157129	
LIVE MOMOTA :		196401225	
LIVE OKUNO :		4777864	
LIVE FC :		47	
LIVE MOMOTA1 :		321036501	
LIVE MOMOTA2 :		881563893	
LIVE MOMOTA3 :		742348562	
LIVE OKUNO1 :		159185395	
LIVE OKUNO2 :		34782727	
LIVE OKUNO3 :		21933056	
LIVE_CLOCK :		3533380	

Run number:	271	Tape:	27	Name:	M. Withava
Description:	cent run 270, Brho=2.96, Be τστ. full intensity				
Date:	6/9	Time:	5:26:22		
Brho1:	2.96	Brho2:	2.96		
NMR1:	821.864	NMR2:	822.501		
Target:	Be(92)	<del>Fa(166)</del>	Be(115) Be(181)		
F1 slit:	± 3.0 mm	F1PPAC:	IN OUT		
Wedge:	none	100mg/Al	60mg/Al		
F2 slit:	open				
F2PPAC:	IN OUT	F3PPACs:	IN OUT		
F2 Scint:	IN OUT	F3 Scint:	IN OUT		
Rips control	yes/no	prisca	SCA file		
Trigger:	F1 PPAC/F1Plastic/F2 Plastic				

Bias voltage table (please compare to previous values)			
U dE=	96.0	I dE=	0.52
U E1=	100	I E1=	2.49
U E2=	99.9	I E2=	1.43
U E3=	95.5	I E3=	0.23
U E4=	95.6	I E4=	0.30
F1_PPAC=	-955	NaI(Tl)_1=	100
F2_PPAC=	-955	NaI(Tl)_2=	
F3_PPACA=	-950	NaI(Tl)_3=	
F3_PPACB=	-948	BaF=	1352

**RIPS Control Summary** 2004/06/09 05:37:50

Parameter	Set Curr.	Read Curr.	Target	F2
Q1	1.3167	193.2142	193.216	FC Out
Q2	1.5337	153.9581	152.236	Rgt 50.0 mm
Q3	0.7725	146.1256	146.557	FC Out
SX1	0.0000	0.1469	0.000	Up 24.0 mm
D1	0.2777	458.4246	461.844	Dwn 24.0 mm
SX2	0.0000	0.1469	0.000	Rgt 24.0 mm
Q4	0.5572	80.1216	79.995	Lft 50.0 mm
Q5	0.7942	100.1499	100.328	PPAC
Q6	0.6197	89.2875	89.461	SSD -94.8 mm
SX3	0.0000	0.1469	0.000	Deg Out
D2	0.2777	476.5013	475.951	Pla IN deg.
Sx4	0.0000	0.1469	0.000	F1
Q7	0.6468	122.3272	124.011	D1 119.8 mm
Q8	1.1259	127.5091	127.899	ld -134.9 mm
Q9	1.0222	149.7736	150.107	Rgt 3.1 mm
Q10	1.1110	171.6194	174.080	Lft 3.0 mm
Q11	1.4205	188.1760	186.282	Mom Out
Q12	1.1106	171.5575	172.301	Deg Exp
Focus	Brho	Te-F1 2.9600	Tm	PPAC Out
F1-F2 2.9600	Tm	F2-F3 2.9600	Tm	Rot 0 deg.
				F3
				PPAC1 IN
				Rgt 49.9 mm
				Lft 50.0 mm
				PPAC2 IN
				SSD Out
				Pla IN
				Lgt

**6:09, 04 5:33** **prisca**

Run271

Start -- Wed Jun 9 05:26:22 2004  
 Stop -- Wed Jun 9 05:33:11 2004

Scaler Name :	Total
UNGATED :	1098
GATED :	1098
NONE :	18
FIPP_T :	5877
F2_SI :	0
CLEARs :	1099
F2PP_T :	1858
F3PPA_T :	18255
E1 :	1661
PL_2 :	11
PL_3 :	23513
CLOCK :	380022
TGT_NAI :	0
TGT_BAF :	3388018
MOMOTA :	20116487
OKUNO :	490222
FC :	4
MOMOTA1 :	32746348
MOMOTA2 :	93778656
MOMOTA3 :	75085408
OKUNO1 :	16252436
OKUNO2 :	3559184
OKUNO3 :	2237089
F3PPB_T :	1827
LIVE_TGT_NAI :	0
LIVE_TGT_BAF :	3384261
LIVE_MOMOTA :	20092552
LIVE_OKUNO :	489640
LIVE_FC :	4
LIVE_MOMOTA1 :	32823006
LIVE_MOMOTA2 :	95793278
LIVE_MOMOTA3 :	75677442
LIVE_OKUNO1 :	16233066
LIVE_OKUNO2 :	3554839
LIVE_OKUNO3 :	2234357
LIVE_CLOCK :	379570

Run number:	272	Tape:	27	Name:	M. Wilson
Description:	cont. Brho is 2.96, Be 70°C, full intensity				
Date:	6/9	Time:	5:34:13		
Brho1:	2.96	Brho2:	2.96		
NMR1:	821.861	NMR2:	822.527		
Target:	Be(92)	Ta(166)	Be(115) Be(181)		
F1 slit:	±3 mm	F1PPAC:	IN OUT		
Wedge:	none	100mg/Al	60mg/Al		
F2 slit:	open				
F2PPAC:	IN OUT	F3PPACs:	IN OUT		
F2 Scint:	IN OUT	F3 Scint:	IN OUT		
Rips control	yes/no	prisca	SCA file		
Trigger:	F1 PPAC/F1Plastic/F2 Plastic				

Bias voltage table (please compare to previous values)			
U dE=	96.0	I dE=	0.52
U E1=	100	I E1=	2.49
U E2=	97.9	I E2=	1.43
U E3=	95.5	I E3=	0.824
U E4=	95.6	I E4=	0.30
F1_PPAC=	-955	NaI(Tl)_1=	100
F2_PPAC=	-955	NaI(Tl)_2=	
F3_PPACA=	-950	NaI(Tl)_3=	
F3_PPACB=	-948	BaF=	1352



RIPS Control Summary				2004/06/09 05:49:30	
Parameter	Set	Curr.	Read	Target	F2
Q1	1.3167	193.2142	192.993	Tgt 194.6 mm	FC Out
Q2	1.5337	153.9581	151.761	FC Out	Rgt 50.0 mm
Q3	0.7725	146.1256	146.384	Up 24.0 mm	Lft 50.0 mm
SX1	0.0000	0.1469	0.000	Dwn 24.0 mm	PPAC
D1	0.2777	458.4246	461.844	Rgt 24.0 mm	SSD -94.8 mm
SX2	0.0000	0.1469	0.000	Lft 23.8 mm	Deg Out
Q4	0.5572	80.1216	80.159	Lgt	Pla IN deg.
Q5	0.7942	100.1499	100.328		
Q6	0.6197	89.2875	89.569		
SX3	0.0000	0.1469	0.000		
D2	0.2777	476.5013	476.216	F1	F3
Sx4	0.0000	0.1469	0.000	D1 119.8 mm	PPAC1 IN
Q7	0.6468	122.3272	123.767	ld -134.9 mm	Rgt 49.9 mm
Q8	1.1259	127.5091	127.899	Rgt 3.1 mm	Lft 50.0 mm
Q9	1.0222	149.7736	150.013	Lft 3.0 mm	PPAC2 IN
Q10	1.1110	171.6194	173.635	Mom Out	SSD Out
Q11	1.4205	188.1760	185.739	Deg Exp	Pla IN
Q12	1.1106	171.5575	172.412	PPAC Out	Lgt
Focus	Brho	TA-F1 2.9600	Tm	Rot 0	deg.
F1-F2 2.9600	Tm	F2-F3 2.9600	Tm		

6-1 09, 04 6:44		prisca
Run272		
Start	-- Wed Jun 9 05:34:13 2004	
Stop	-- Wed Jun 9 06:44:13 2004	
Scaler Name :	Total	
UNGATED :	11607	
GATED :	11590	
NONE :	190	
F1PP T :	62177	
F2 SI :	0	
CLEARs :	11591	
F2PP T :	19607	
F3PPA T :	191709	
E1 :	17688	
PL_2 :	122	
PL_3 :	247339	
CLOCK :	4166049	
TGT NAI :	18	
TGT_BAF :	34714414	
MOMOTA :	210509056	
OKUNO :	5122046	
FC :	170	
MOMOTA1 :	342818964	
MOMOTA2 :	908670032	
MOMOTA3 :	793064899	
OKUNO1 :	169887668	
OKUNO2 :	37227777	
OKUNO3 :	23349275	
F3PPB T :	18556	
LIVE_TGT_NAI :	18	
LIVE_TGT_BAF :	34676630	
LIVE_MOMOTA :	210264462	
LIVE_OKUNO :	5116015	
LIVE_FC :	170	
LIVE_MOMOTA1 :	343596830	
LIVE_MOMOTA2 :	929801896	
LIVE_MOMOTA3 :	799137074	
LIVE_OKUNO1 :	169691786	
LIVE_OKUNO2 :	37184508	
LIVE_OKUNO3 :	23321951	

Run number:	273	Tape:	27	Name:	M. M. M. M.
Description:	cont. Brho=2.96, Be TGT, full intensity				
Date:	6/9	Time:	6:45		
Brho1:	2.96	Brho2:	2.96		
NMR1:	821.861	NMR2:	822.248		
Target:	Be(92)	Ta(166)	Be(115) Be(181)		
F1 slit:	±3 mm	F1PPAC:	IN OUT		
Wedge:	none	100mg/Al	60mg/Al		
F2 slit:	open				
F2PPAC:	IN OUT	F3PPACs:	IN OUT		
F2 Scint:	IN OUT	F3 Scint:	IN OUT		
Rips control	yes/no	prisca	SCA file		
Trigger:	F1 PPAC/F1Plastic/F2 Plastic				

Bias voltage table (please compare to previous values)			
U dE=	96.0	I dE=	0.52
U E1=	100.	I E1=	2.49
U E2=	97.9	I E2=	1.43
U E3=	95.5	I E3=	0.23
U E4=	95.6	I E4=	0.30
F1_PPAC=	-755	NaI(Tl)_1=	100
F2_PPAC=	-755	NaI(Tl)_2=	
F3_PPACA=	-750	NaI(Tl)_3=	
F3_PPACB=	-748	BaF=	1352

RIPS Control Summary				2004/06/09 06:57:28	
Parameter	Set Curr.	Read Curr.	Target	F2	
Q1	1.3167	193.2142	193.105	FC	Out
Q2	1.5337	153.9581	151.880	Tgt 194.6	mm Rgt 50.1
Q3	0.7725	146.1256	145.691	FC Out	mm
SX1	0.0000	0.1469	0.000	Up 24.0	mm Lft 50.0
D1	0.2777	458.4246	462.108	Dwn 24.0	mm PPAC
SX2	0.0000	0.1469	0.000	Rgt 24.0	mm SSD -94.7
Q4	0.5572	80.1216	80.104	Lft 23.8	mm Deg Out
Q5	0.7942	100.1499	100.328	Lgt	Pla IN deg.
Q6	0.6197	89.2875	89.569		
SX3	0.0000	0.1469	0.021		
D2	0.2777	476.5013	475.951	F1	F3
SX4	0.0000	0.1469	0.000	DI 119.8	mm PPAC1 IN
Q7	0.6468	122.3272	123.604	ld -135.1	mm Rgt 49.9
Q8	1.1259	127.5091	127.899	Rgt 3.0	mm Lft 50.0
Q9	1.0222	149.7736	150.107	Lft 2.9	mm PPAC2 IN
Q10	1.1110	171.6194	174.192	Mom Out	SSD Out
Q11	1.4205	188.1760	185.875	Deg Emp	Pla IN
Q12	1.1106	171.5575	172.412	PPAC Out	Lgt
Focus	Brho	TA-F1 2.9600	Tm	Rot 0	deg.
F1-F2 2.9600	Tm	F2-F3 2.9600	Tm	<input type="button" value="Update"/> <input type="button" value="exit"/>	

6:09,04 7:47		prisca	
Run273			
Start -- Wed Jun 9 06:45:00 2004			
Stop -- Wed Jun 9 07:47:33 2004			
Scaler Name :		Total	
UNGATED :	9890		
GATED :	9882		
NONE :	162		
FIPP_T :	52683		
F2_SI :	0		
CLEARs :	9883		
F2PP_T :	16609		
F3PPA_T :	164484		
E1 :	15278		
PL_2 :	97		
PL_3 :	210765		
CLOCK :	3729952		
TGT_NAI :	14		
TGT_BAF :	29163534		
MOMOTA :	180394799		
OKUNO :	4383459		
FC :	314		
MOMOTA1 :	294455451		
MOMOTA2 :	791401432		
MOMOTA3 :	724588843		
OKUNO1 :	145583705		
OKUNO2 :	31927258		
OKUNO3 :	20025765		
F3PPB_T :	15914		
LIVE_TGT_NAI :	14		
LIVE_TGT_BAF :	29133443		
LIVE_MOMOTA :	180196647		
LIVE_OKUNO :	4378630		
LIVE_FC :	313		
LIVE_MOMOTA1 :	295106419		
LIVE_MOMOTA2 :	810080898		
LIVE_MOMOTA3 :	729826994		
LIVE_OKUNO1 :	145424505		
LIVE_OKUNO2 :	31892149		
LIVE_OKUNO3 :	20003567		
LIVE_CLOCK :	3725833		

Run number:	274	Tape:	22	Name:	M. Nilsson
Description:	cont, Brho=296, Be TGT. Suel intensity				
Date:	6/9	Time:	7:48		
Brho1:	2.96	Brho2:	2.96		
NMR1:	821.862	NMR2:	822.432		
Target:	Be(92)	Ta(166)	Be(115) Be(181)		
F1 slit:	23.0 mm	F1PPAC:	IN OUT		
Wedge:	none	100mg/Al	60mg/Al		
F2 slit:	open				
F2PPAC:	IN OUT	F3PPACs:	IN OUT		
F2 Scint:	IN OUT	F3 Scint:	IN OUT		
Rips control	yes/no	prisca	SCA file		
Trigger:	F1 PPAC/F1Plastic/F2 Plastic				

Bias voltage table (please compare to previous values)			
U dE=	96.0	I dE=	0.52
U E1=	100.	I E1=	2.48
U E2=	97.9	I E2=	1.43
U E3=	95.5	I E3=	0.23
U E4=	95.6	I E4=	0.30
F1_PPAC=	-1155	NaI(Tl)_1=	100
F2_PPAC=	-1155	NaI(Tl)_2=	
F3_PPACA=	-1150	NaI(Tl)_3=	
F3_PPACB=	-1148	BaF=	1352

Computer crashed at end of Run (maybe!)

RIPS Control Summary				2004/06/09 08:02:58						
Parameter	Set Curr.	Read Curr.	Target	F2						
Q1	1.3167	193.2142	192.882	Tgt 194.5	mm	FC Out	Rgt 50.1	mm		
Q2	1.5337	153.9581	121.741	FC Out		Up 24.0	mm	Lft 50.0	mm	
Q3	0.7725	146.1256	146.124	Up 24.0	mm	Dwn 24.0	mm	PPAC		
SX1	0.0000	0.1469	0.000	Dwn 24.0	mm	Rgt 24.0	mm	SSD -94.7	mm	
D1	0.2777	458.4246	461.844	Rgt 24.0	mm	Lft 23.8	mm	Deg Out	-4.9	deg.
SX2	0.0000	0.1469	0.000	Lft 23.8	mm	Lgt		Pla	IN	
Q4	0.5572	80.1216	80.104							
Q5	0.7942	100.1499	100.266							
Q6	0.6197	89.2875	89.569							
SX3	0.0000	0.1469	0.000							
D2	0.2777	476.5013	475.951							
SX4	0.0000	0.1469	0.000							
Q7	0.6468	122.3272	123.686							
Q8	1.1259	127.5091	128.136							
Q9	1.0222	149.7736	150.013							
Q10	1.1110	171.6194	173.969							
Q11	1.4205	188.1760	185.875							
Q12	1.1106	171.5575	172.189							
Focus	Brho	TA-F1 2.9600	Tm							
F1-F2 2.9600	Tm	F2-F3 2.9600	Tm							

Update exit

*At end of Experiment*

RIPS Control Summary				2004/06/09 09:11:23						
Parameter	Set Curr.	Read Curr.	Target	F2						
Q1	1.3167	193.2142	193.328	Tgt 194.5	mm	FC Out	Rgt 50.1	mm		
Q2	1.5337	153.9581	121.623	FC Out		Up 24.0	mm	Lft 50.0	mm	
Q3	0.7725	146.1256	146.470	Up 24.0	mm	Dwn 24.0	mm	PPAC		
SX1	0.0000	0.1469	0.000	Dwn 24.0	mm	Rgt 24.0	mm	SSD -94.7	mm	
D1	0.2777	458.4246	462.108	Rgt 24.0	mm	Lft 23.8	mm	Deg Out	-4.9	deg.
SX2	0.0000	0.1469	0.000	Lft 23.8	mm	Lgt		Pla	IN	
Q4	0.5572	80.1216	80.159							
Q5	0.7942	100.1499	100.328							
Q6	0.6197	89.2875	89.569							
SX3	0.0000	0.1469	0.000							
D2	0.2777	476.5013	475.422							
SX4	0.0000	0.1469	0.000							
Q7	0.6468	122.3272	123.767							
Q8	1.1259	127.5091	127.978							
Q9	1.0222	149.7736	150.013							
Q10	1.1110	171.6194	173.969							
Q11	1.4205	188.1760	185.603							
Q12	1.1106	171.5575	172.301							
Focus	Brho	TA-F1 2.9600	Tm							
F1-F2 2.9600	Tm	F2-F3 2.9600	Tm							

Update exit

Experiment Ended at 9:00 am 6/91

- ① Turn off NaI
- ② Turn off BnF
- ③ Unbias the Si detectors
- ④ Turn off PPAC high voltage
- ⑤ Turn down all HV for Momota, Okuno, plashi etc

Run number:	275	Tape: HD	Name: JMC
Description:	Pedestal run trigger = clock, 100cps		
Date:	6/9	Time:	0948
Brho1:		Brho2:	
NMR1:		NMR2:	
Target:	Be(92)	Ta(166)	Be(115) Be(181)
F1 slit:	mm	F1PPAC:	IN OUT
Wedge:	none	100mg/Al	60mg/Al
F2 slit:	open		
F2PPAC:	IN OUT	F3PPACs:	IN OUT
F2 Scint:	IN OUT	F3 Scint:	IN OUT
Rips control	yes/no	prisca	SCA file
Trigger:	F1 PPAC/F1Plastic/F2 Plastic		

Bias voltage table (please compare to previous values)			
U_dE=		I_dE=	
U_E1=		I_E1=	
U_E2=		I_E2=	
U_E3=		I_E3=	
U_E4=		I_E4=	
F1_PPAC=		NaI(Tl)_1=	
F2_PPAC=			
F3_PPACA=			
F3_PPACB=			

```

6:09, 04 9:53 prisca
Run275
Start -- Wed Jun 9 09:48:20 2004
Stop -- Wed Jun 9 09:53:40 2004

Scaler Name : Total
UNGATED : 33062
GATED : 33062
NONE : 542
F1PP T : 0
F2 SI : 0
CLEARS : 33063
F2PP T : 58
F3PPA T : 0
E1 : 10
PL 2 : 0
PL 3 : 3
CLOCK : 318747
TGT NAI : 2
TGT BAF : 0
MOMOTA : 1
OKUNO : 0
FC : 1319
MOMOTA1 : 177802
MOMOTA2 : 29220624
MOMOTA3 : 25058763
OKUNO1 : 2
OKUNO2 : 1
OKUNO3 : 26
F3PPB T : 7
LIVE TGT NAI : 2
LIVE TGT BAF : 0
LIVE MOMOTA : 1
LIVE OKUNO : 0
LIVE FC : 1296
LIVE MOMOTA1 : 170122
LIVE MOMOTA2 : 27984726
LIVE MOMOTA3 : 23994998
LIVE OKUNO1 : 2
LIVE OKUNO2 : 1
    
```

Run number:	276	Tape:	HD	Name:	JMC
Description:	Period 20ns, fullrange 640ns, time calibration				
Date:	619	Time:	0957		
Brho1:		Brho2:			
NMR1:		NMR2:			
Target:	Be(92)	Ta(166)	Be(115) Be(181)		
F1 slit:	mm	F1PPAC:	IN OUT		
Wedge:	none	100mg/Al	60mg/Al		
F2 slit:	open				
F2PPAC:	IN OUT	F3PPACs:	IN OUT		
F2 Scint:	IN OUT	F3 Scint:	IN OUT		
Rips control	yes/no	prisca	SCA file		
Trigger:	F1 PPAC/F1Plastic/F2 Plastic				

### Bias voltage table (please compare to previous values)

U_dE=		I_dE=	
U_E1=		I_E1=	
U_E2=		I_E2=	
U_E3=		I_E3=	
U_E4=		I_E4=	
F1_PPAC=		NaI(Tl)_1=	
F2_PPAC			
F3_PPACA			
F3_PPACB			

6/09, 04 10:01

prisca

Run276

Start -- Wed Jun 9 09:57:32 2004

Stop -- Wed Jun 9 10:01:07 2004

Scaler Name : Total

```

UNGATED : 449416
GATED : 243125
NONE : 3984
F1PP_T : 0
F2_SI : 0
CLEARs : 243025
F2PP_T : 29
F3PPA_T : 0
E1 : 0
PL_2 : 0
PL_3 : 0
CLOCK : 214380
TGT_NAI : 0
TGT_BAF : 0
MOMOTA : 3
OKUNO : 0
FC : 894
MOMOTA1 : 125638
MOMOTA2 : 19728939
MOMOTA3 : 16893194
OKUNO1 : 1
OKUNO2 : 5
OKUNO3 : 10
F3PPB_T : 8
LIVE_TGT_NAI : 0
LIVE_TGT_BAF : 0
LIVE_MOMOTA : 1
LIVE_OKUNO : 0
LIVE_FC : 504
LIVE_MOMOTA1 : 66964
LIVE_MOMOTA2 : 10524197
LIVE_MOMOTA3 : 9022698
LIVE_OKUNO1 : 1

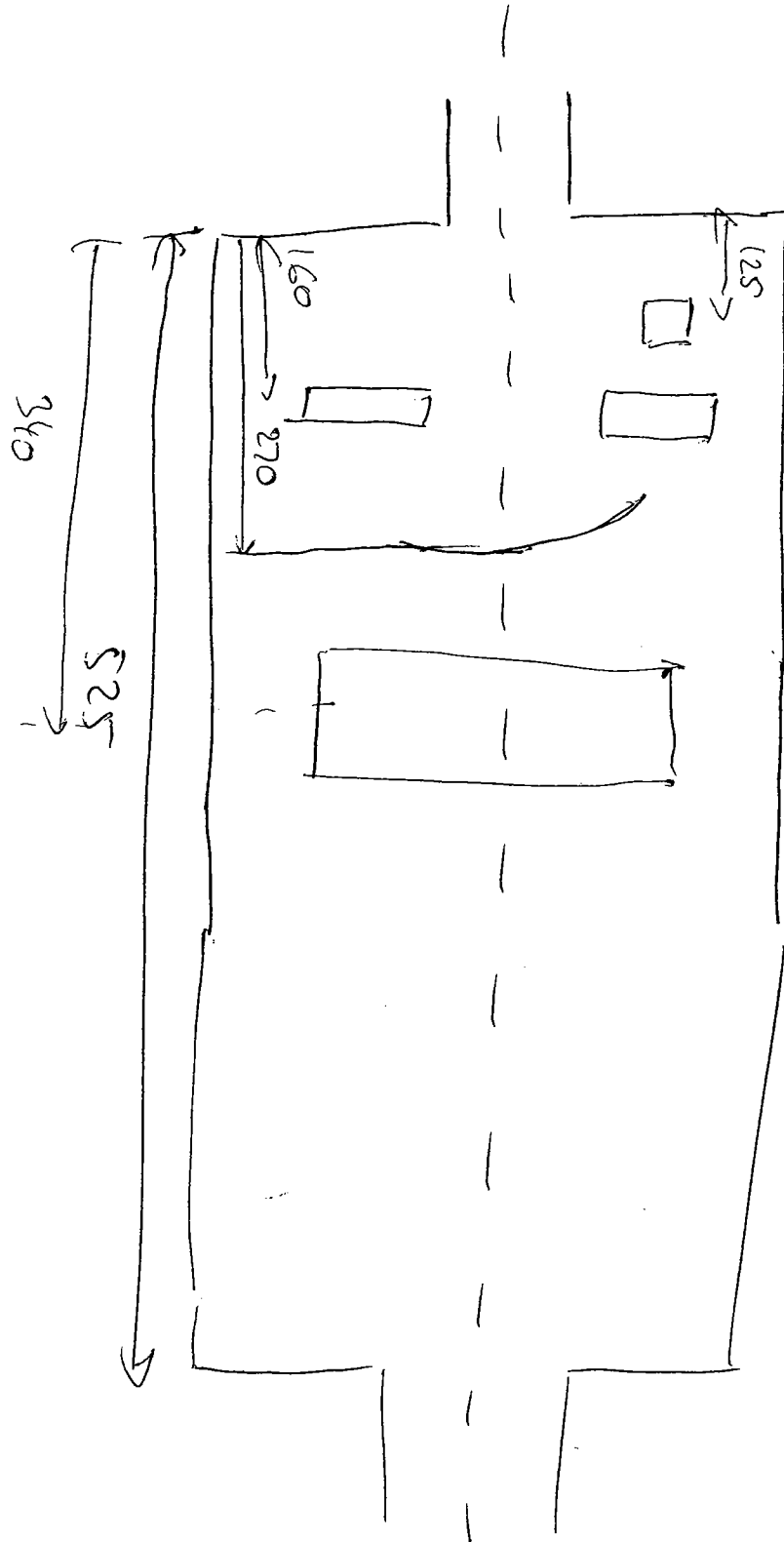
```



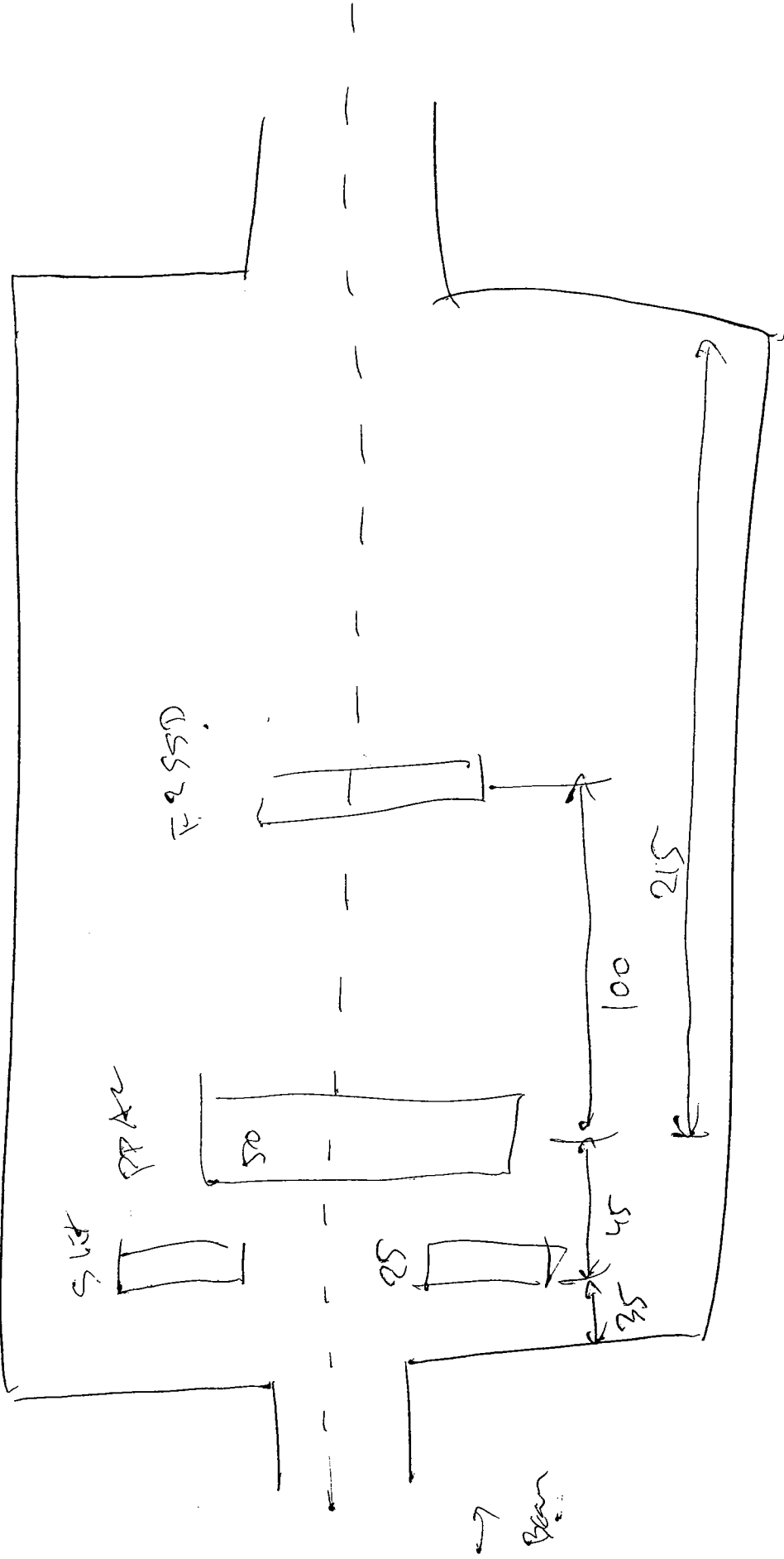
After checking of all the runs I have on duds 10  
I found Run 213 to be starter

Focal plane boxes measurements :

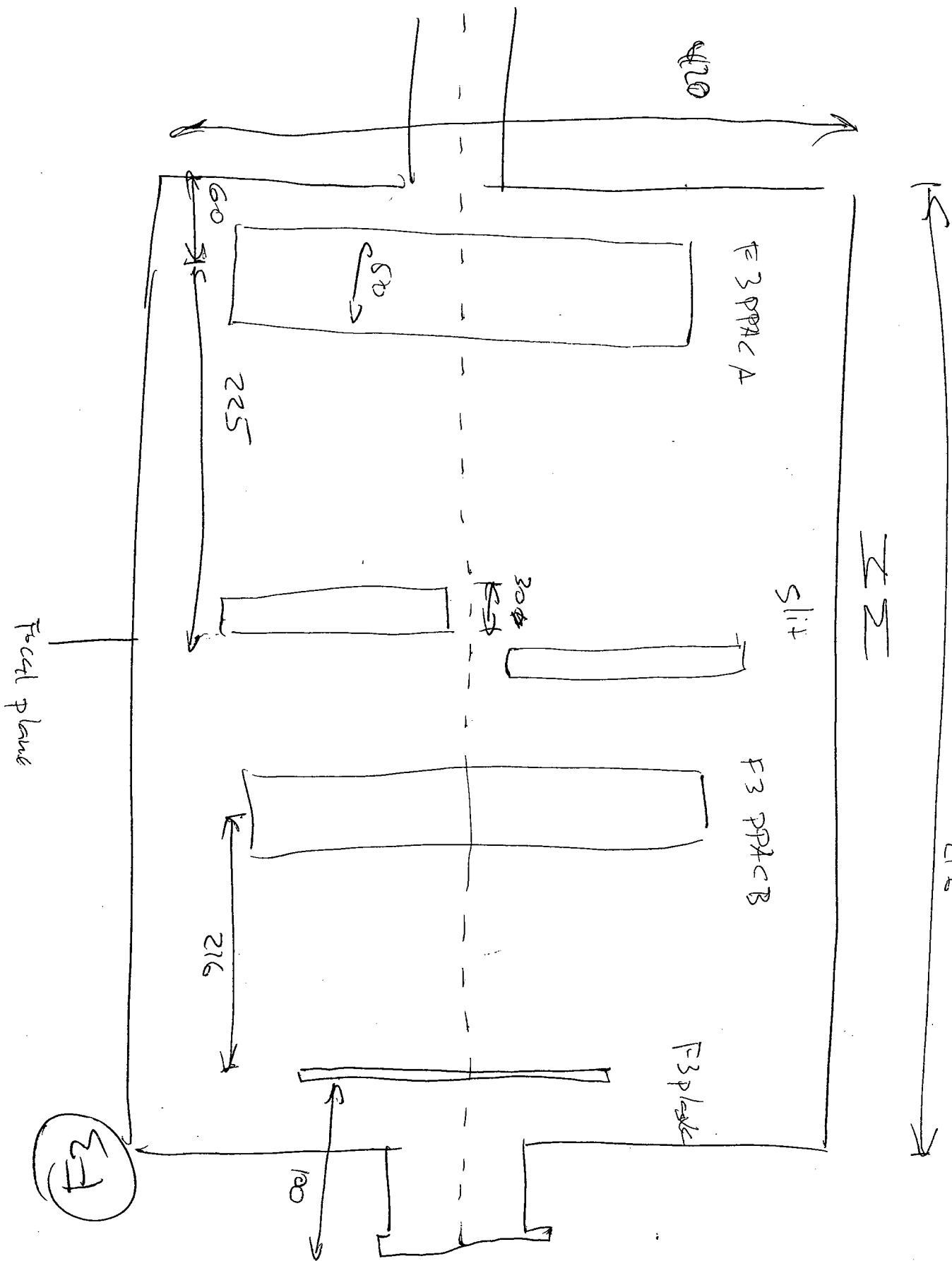
(F1)



F2

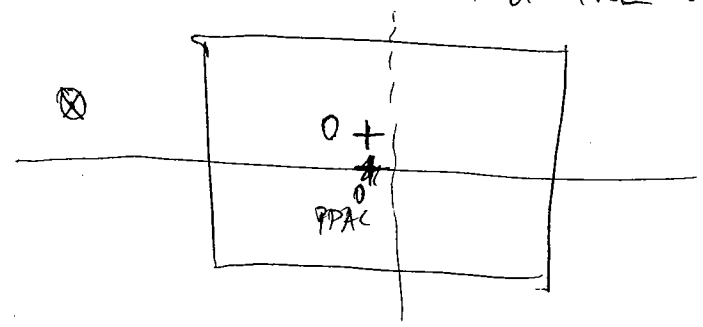


Beam



$$\begin{array}{r}
 460 \\
 + 106 \\
 \hline
 566 \\
 \hline
 216
 \end{array}$$

F3 PPAC B is 2.5 mm left  
and 1mm up



F3 PPAC A 1mm up

