

Experiment e10001 (Charity) - List of tasks

I. Parts to be made

A. NSCL machine shop

1. Modifications to HiRA stand
2. Turbo pump and bellows stand
3. Beam blocker
4. Manual driver for beam blocker and the spacer
5. CAESAR stand
6. Support stand for top CAESAR detectors

B. WashU machine shop

1. CAESAR beam line
2. Target push stick

II. HiRA tasks

A. Assembly

1. Assembly of HiRA stand and mounts
2. Setting up HiRA Telescopes

B. Electronics

1. HiRA Si electronics
2. HiRA CsI
3. Trigger

III. Software

1. Spectcl (changes because of VM-USB and ringbuffer readout)
2. Implementing QDCs and TDCs (for CAESAR), and ADCs and Scalers in the readout
3. Pulser remote control
4. CsI shaper/disc control
5. e-log