

Minutes, Tuesday, August 14, 2007.

Attendees: AG, CD, DO, GR, CR, MT, CV, DAH, MJ, AC, PM

0) Minutes: No complaints

1) Hardware

Tudragon:

- Frame was moved back about 1.5cm
- Changes the solid angle
- Silicon is on the downstream side, iris on upstream
- Possible solution but still requires work
- Lose some dynamic range on iris (~4mm). Can bias towards one range or another.
- Pumping tubes should be ready by Friday

- need S2 close to barrel detector for coincidence

- New lid: target ladder, but no detectors mounted. Good for quickly retuning beam if need be.

- Do we need locating pins?

- Location for the preamp box?

- What beam and energies are going to be used for testing?

- Screen: Use two frames to mount.

- Put magnets upstream with cable ties, in vacuum. Magnets have a rectangular cross section.

Solar Cells:

- 50 channel feed through
- Have almost everything. Still need feed through connector.
- Approx. 1 week for solar cells to be connected.

- Solar cells need to be cleaned.

2) U Washington

- First part of beam line done, but not commissioned.
- LN2 is still being machined.
- Cryo is operational. Vacuum down to $1e-8$ Torr
- Thermal tests starting next week.
- Going to use their own target ladder
- Need to come up with some way of recording rastering voltages

- First going to run in histogram mode, eventually run event by event.

- Approx. 1.5 months for ^{23}Na tests. Should get involved now.

- They can store radioactive targets.

- Start radioactive tests by the end of the year?

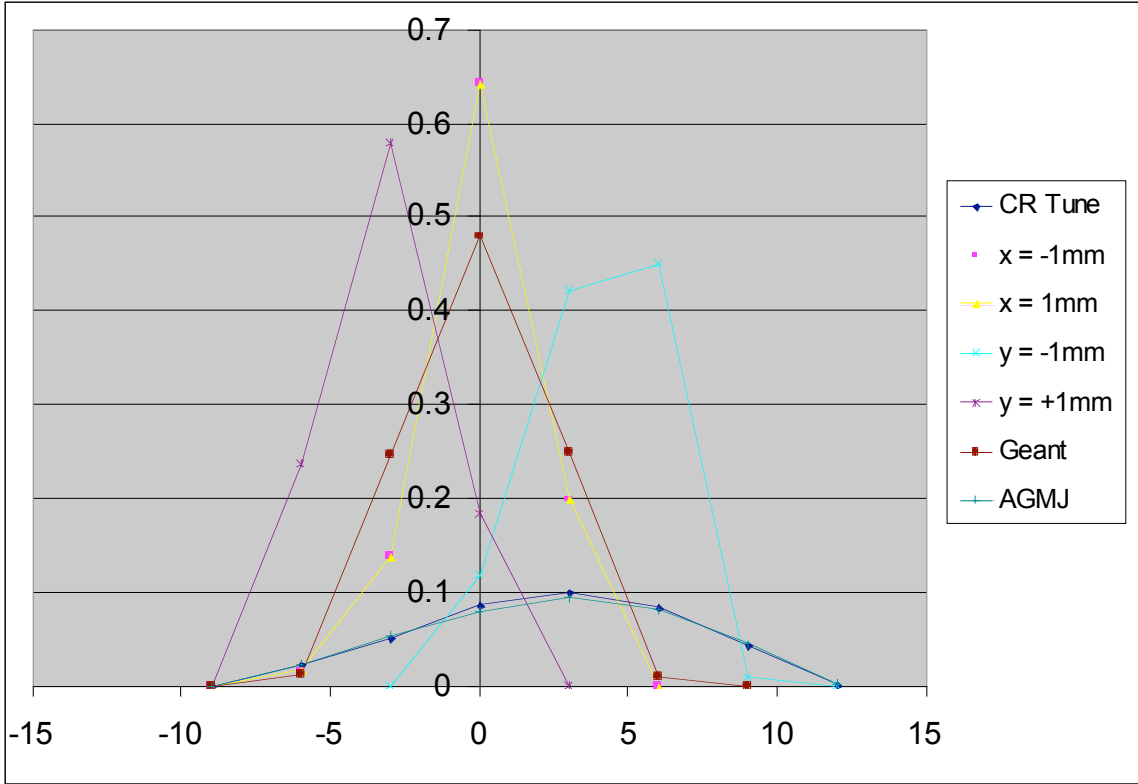
- CR and CV should be there for implanted tests.

Summary of what is required of us:

- 1) ship targets
- 2) get involved
- 3) kapton piece
- 4) record voltages

3) Alpha Tests

- Source slipped in holder. Count rate is now 4 counts/s lower than before
- Focus at charge slits is much wider than in geant (see figure)
- Hopefully Mike's measurements turn something up
- Maybe get a new source?



Vertical Charge slit exercise. All plots normalized to 1 with respect to the total number of counts.