

Minutes Dragon Group Meeting 10 April 2007

Present DO (rec) LB CR PM DH RL PW AH TD and others

Previous meeting minutes, ok

Hardware

- Mitutoyo scale frames still being machined.
- DSSD calibration is continuing
- Charge slits box is vented.

17O, 18O(p,alpha) York Experiment

- Gas cell lid has arrived from York
- Vacuum box is out of shop
- Procedure:
 - Leak check before alignment
 - pressurize to 10 Torr and test pumping tubes
 - Align using an optical theodolite
 - Install detectors in gas cell and test operation in H₂
 - Cables are 15m TUDA with 5m extensions on floor
 - Cable trays to be used for production run
 - Cables are grounded at TUDA shack end

Beam tuning to be done with no gas and detectors out.

Maximize transmission to FC

Use iris to eliminate halo, but may be a source

Cell gas is natural Hydrogen, includes .02 percent deuterium

Alignment pins to be investigated to allow reproducibility when detectors are removed/installed