

DRAGON Group Meeting 26 June 07

Present DO (rec), MT GR CR PM CD LB AG MJ

Hardware PM DO

Reinstallation of the Gas target after the TUDRAGON gas target resulted in a vacuum leak that was difficult to find. It turned out to be in the transition flange going from round to rectangular at the bottom of the gas target. Remedy is to pry up on the vacuum box and shim to prestress the box on the Machule angle supports. There is a note in the hardware log book.

There was discussion about a new gas target design that will be more friendly to access and utilize over center toggle clamps etc.

An Iris has been ordered from Edmund Scientific that has 4 to 75mm aperture for the TUDRAGON chamber. There is reportedly a LTNO iris that has current measuring capability that may exist still.

Febiad TUDA Run CR

The recent run was an almost complete disaster in that the yields from the Silicon Carbide target were not as predicted.

There were about 2 days of data of  $10^{**4}$  18 F1 elastic scattering obtained. The yields were not within a factor of 10 to be useful for DRAGON. A new transfer tube was used that had an unknown effect on the beam. Pierre will test the efficiency of this tube off line.

There will be lobbying to management to move from Carbon to Oxide targets for future tests.

Vibration Wire MJ

The wire is installed in Q3,4,5. Alignment preparation is underway, theodolite is there and the pulleys can be seen ok. Results expected for the next meeting.

Raytrace AG

Results were presented showing progress on smoother transitions between sections.