

g2p/gep Target Meeting Minutes

Date: 3/24/2011

Attendees : J. P Chen, C. Keith, J. Pierce, K. Allada, J. Zhang, Al. Gavalya, M. Huang, P. Zhu, M. Cummings, Ed. Folts, A. Camsonne, M. Defurne et.al

1. Target update: (J. Pierce, C. Keith)
 1. Magnet is expected to be on site between April 8th – April 15th.
 2. Working on different things: welding on cryostat, designs, machining parts for inserts.
 3. Almost done with refrigerator work.
2. Made some measurement in the hall to see if the target structure would fit in the pivot region without any obstruction during installation.
 1. Found that various existing pipe lines (water, cryo lines, fire safety etc..) are major impediment to the target installation.
 2. Most of them can be moved as necessary.
 3. No interference with any existing civil structure (Al Gavalya).
3. No update on the Indium seals (these seals would replace rubber o-rings which might get damage due to the high radiation from the local dump)
 1. One on the bottom of the scattering chamber may not be that bad.
 2. One on the window might get swamped by the radiation.
4. C. Keith will provide a list of things that users can buy.
5. J.P Chen mentioned that calculations done by Maxime shows that CH2 target will survive (not melt) even without raster.
6. Al. Gavalya:
 1. Sent the cartridges (used for the local dump) out for machining.
 2. Cartridges will be changes at least for every energy settings and more often if needed, so that target group and others can work without any restrictions.
 3. Jixie's simulation provided information on the opening in the dump for septum acceptance. Working on the final opening design.
 4. Target platform designs are being checked as they are getting final.
 5. Thermocouples on the downstream dump itself to monitor temperature rise, and to avoid any possible accidents.
 6. Temperature rise of 13 – 17 deg C is expected for 400W power (normal running conditions).
 7. Sieve slit design need to be checked before sending out for machining.
7. Readiness Review (JP Chen):
 1. Scheduled for April 22nd
 2. Collaboration meeting on April 18th
 3. A committee is being arranged for the review.