

Minutes of the TITAN Meeting

Held on the 28th of June 2007

Present: Alexei Bylinkii, Maxime Brodeur, Christian Champagne, Don Dale, Paul Delheij, Melvin Good, Alain Lapierre, Cecilia Leung, Ryan Ringle, Vladimir Ryjkov.

EBIT

- *Mel finished installing the HV docks.
- *In the next days Alain will turn the cathode on and start to pump down the EBIT.
- *Will be ready to have beam by the beginning of next week.
- *The design of the test ion source will be ready in August.
- *All the power supplies for the EBIT beam line are installed, but still need the controllers. They will be ready within 6 weeks.
- *Start pumping an EBIT beam line section; after 5-6 hours of pumping the pressure was about 7×10^{-7} Torr.
- *Don Dale wants a sketch of the EBIT beam line for an EPICS screen representation.
- *The two MCP arrived and will be installed on the proton hall test stand.

MPET

- *Measurement with the RGA in the section next to the MPET once the gate valve open showed a similar spectra as in the MPET section but at a lower scale.
- *The level of contamination in the MPET beam line did not change after the opening of the gate valve, while in the MPET section, the contamination level went down by a factor of 2 or 3.
- *The pressure in the MPET section is currently $8-10 \times 10^{-9}$ Torr.
- *Plan to activate the electron gun on Friday.
- *We got the cables connecting the MCP, the rest of the cables will come out of the cable shop Friday.
- *Need to troubleshoot the electronics:
 - Bias voltage problem with the summing amplifier.
 - There is noise in the HV amplifier.
 - DAQ is not ready.
- *Mel suggested to install a door in front of the amplifier rack and to run the cable between the two racks in order to reduce the pick-up noise from the DTL.
- *By the middle of next week, we should be able to do the first ion trapping tests.
- *Concerning the RF fabrication, the PCB arrived today.
- *All electronics except the 'big amplifier' (which will arrive around July 10) are here.
- *Paul suggested check the effect of random noise on Time to Digital Converter (TDC).

CAP conference output

- *Lawrence Krauss gave a good talk about the influence of pseudo-science on the society and how to make people interested into science.

*CPT will do mass measurement of nu-p process candidate nuclei in the vicinity of Pd-92.