

Minutes of the TITAN Meeting

Held on the 5th of February 2008

Present: Jens Dilling, Maxime Brodeur, Thomas Brunner, Christian Champagne, Paul Delheij, Melvin Good, Alain Lapierre, Ryan Ringle, Vladimir Ryjkov.

Misc.

*Jens is doing some final touch to the He-8 paper before sending it a last time to some of the authors. After which, we can submit to PRL.

*The intermediate pieces and bellows will be installed on the Y-box by Thursday.

*Then, Mel will proceed on a 'dirty' assembly.

*The resource person in charge of Roody will leave TRIUMF. It shouldn't affect us as we use Rootana.

RFQ

*The modules for the RFQ segmented electrodes P.S. are ready. The electronic shop still has to work on a replacement and spare motherboard for these modules.

*Mel is finishing to build the HV cage modifications for the new HV switch.

*Ryan is looking to get proper feed through for the pulse drift tube. Can wait for the next TITAN 'shut down' around September.

*The RFQ is planned to be back a running by the third week of February.

MPET

*The MPET chamber is now under UHV vacuum.

*The cables of the new RF system are done.

*C. Owen will only be available next week to the amplifier. Vlad will look at them by the mean time (with care).

*When the RF amplifiers are tested, we can proceed to do dipole cleaning.

*OLIS will start running on the 1st week of April. The OLIS schedule will be discussed on February the 6th. Jens will ask for beam of molecular isobars to test the dipole excitation.

EBIT

*Alain is working on the alignment and a problem was founded: the two ends of the magnet move differently when the magnet is cooled down.

*The magnet coils are aligned with the housing by moving the holding rods.

*Alain did some HV test and all EBIT electrodes can now hold 5 kV.

*We need to talk to Corrie about the status of the EBIT layout.

*We expect to get all the RFA pieces by mid-February. Then, Chris will assemble and test the RFA under vacuum in the proton hall for sparks.

*It was proposed to install the RFA before the bend to have a good idea of the real energy distribution of the beam leaving the RFQ, but as this cannot be done without major

changes, we will install the RFA in the horizontal section. It can be install where the Pips detector is.

*NOTE: the RFA is retractable.

*The RFA will most likely be installed first week of March. By the mean time, Chris has to write a report about its simulations and future measurements to Jens. He also has to email his timetable to Jens.

*The first RFA measurements will be done manually, then Thomas will write a Labview program for the RFA data acquisition.