

Minutes of the TITAN Meeting

Held on the 28th of February 2008

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

Y-BOX

*The Y-box steering units are clean and ready for assemble. Mel added a few vented holes. Two of the vessels are completed and the third one will be ready on Friday.

*The alignment will start next week and the theodolite is available now.

*Ryan will check if all the switch yard P.S. are there.

*The Y-box installation is expected to take about two weeks.

RFQ

*Got the beam through the RFQ at 1, 2 and 4 keV and got the related tunes on the MCP in the horizontal section.

*Ryan installed a 1 M Ω resistance at the output of the RFQ pulse drift tube power supply to smooth out the rise of the switching voltage. The estimated RC constant should be 16 ms and this new configuration will be tested on Friday.

MPET

*Regarding the Be-11 publication, we should get to measure C-12 to get a better hand on the mass-dependant systematic shift. Vladimir will ask Fridelhm about when the first C-12 beam from OLIS would be available.

*Na-23 was tentatively measured last December, but no TOF resonance was observed. This might be due to injection issues, which brought Vladimir to look at the RFQ to MPET Rick's beam tune to optimize the injection.

*The RF amplifier could not reproduce the RF problems we observed.

*The "breathing" issues of the beam are still present.

*A new scaler was added to MIDAS on January 6th, which crashed the system today. Vladimir solved the issue.

*The timeline for the MPET measurements is to be done by March 10th.

*Max is working on the implementation of a ion gate using a steerer plate after the second 45 degrees bend. This will help removing non-isobaric contamination from the beam getting into the MPET.

RFA

- *The ceramic disks are received and the meshes are ready for spot-welding.
- *Chris works with Thomas on the RFA DAC system.
- *Vladimir proposed to install the RFA above the first 45 degrees bender so the RFA measurements can continue during the installation of the Y-box.
- *The RFA should be ready to go by March 10th.

EBIT

- *Mel installed new alignments targets and three measurements were done. The offset observed for the three measurements agrees within a few tau and meets the requirements.
- *The temperature in the EBIT section was brought to 10 K, which made the magnet superconducting, but not the magnet P.S. switch. The magnet was brought to 1T.
- *The plans for next week are to install the ion source and start running beam in the EBIT.
- *Thomas is doing Ge detector vacuum tests.
- *Stephan found the problem with his random number generator.

General

- *We should think about a project for Kumar's post doc that will come for 2 months.
- *The author of the present minutes delegate the minute-taking for next week to Chris.