

Minutes of the TITAN Meeting

Held on the 21th of August 2008

Present: Jens Dilling, Maxime Brodeur, Thomas Brunner, Christian Champagne, Paul Delheij, Melvin Good, Alain Lapierre, Ryan Ringle and Savannah Shaw

EBIT

- EBIT currently On with a 10 mA electron beam
- Leave it on for the next few days to condition the cathode, hoping that the low current is due to slight contamination during its off time.
- Mel and Alain will connect the EBIT to the EBIT beamline next Monday
- Vacuum system of the EBIT beamline is completed
- Will connect the nuclear exhaust vacuum line sometime after Monday.
- Thomas is testing the x-ray detector with the DSpec and Tig10

MPET

- Currently performing systematic measurements with MPET
 - Changing the RF excitation time within different rep rate windows.
 - Observe a shift in the spectrum (120 ppb)
 - The shift is independent of the size of the rep rate
 - Unsure if EVA fitting program may be causing this
- Next systematic measurement will be done on the dipole RF excitation
 - The TOF spectra is asymmetric with an slight increase in counts at higher frequencies
 - Will modify ω_+ to see if this fix it (higher term in frequency formula)
- Drift tube doesn't seems to be the culprit in the steady drop in ion count observed during various test runs with the ion source
 - Touching the voltage on the drift tube doesn't fix it anymore.
 - The ion source itself is now the most like explication.

Data Acquisition

- Upgrading TITAN03 computer

Labroom

- Will try to clean out the ISAC-2 room even if Franco is presently on vacation.
- Mel will help out clean Kurt's area starting next week
- Most of the Proton Cage has been cleaned out, will take one day to empty it out when required to move out.

Beamtime

- Oct 31st – Nov. 3rd
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 - Measuring branching ratios in EBIT

ENAM

- Posters should be ready for first review on Sept. 2nd.