

Minutes of the TITAN Meeting

Held on the 15th of April 2008

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

Y-BOX

- *The installation of the switchyard is completed.
- *The pressure in the switchyard section is $2.7E-7$ Torr, which lead to think that there could be a leak.

RFQ

- *The beam line was tuned for beam energies of 2 keV with the RFQ floating at 20 kV.
- *It was observed that a bigger signal on the scope when changing the voltage on the Einzel lenses corresponding to a bigger spot on the phosphor screen.
- *The plan is to tune the beam at 1 and 2 keV beam energy for 28 kV RFQ floating voltage (this correspond to the ISAC beam energy we will get).

MPET

- *The plan once the off-line beam will be available is to check for number of ion in the trap effect on the measured cyclotron frequency.

Beam time stuff

- *April 16th: yield measurement of Be-11, Be-12. There is no commitment for Be-14.
- *If the yields are $<3000/s$ region, we may run starting April 24th.
- *For good intensity beam, we will start on May 5th, starting by measuring the mass of Be-11, Be-12, then spending the rest of the time left trying to find Be-14.
- *The OLIS beam is pretty much available now.
- *The best reference specie for the Be-11, Be-12 would be C-12, which means that we will run the RFQ with He buffer gas to avoid nasty chemistry.
- *Is there any $A = 14$ stable ion beam that we could use for Be-14?

EBIT

- *Both the EBIT and EBIT beam line are aligned with the Y-box.
- *Alain plan to do a leak test as the pressure in the EBIT is higher than before.
- *Thomas works on MCP holder drawings.
- *Chris finished his data fits and is extracting the energy spread of the beam out of it.
- *He will add transverse energy spread to the beam in his SIMION simulation to see if this would explain the observed asymmetry in the RFA data.