

# TITAN Meeting Minutes

## July 5<sup>th</sup>, 2007

**Present:** Jochen Berger, Maxime Brodeur, Thomas Brunner, Fritz Buchinger, Alexei Bylinskii, Christian Champagne, Paul Delheij, Alain Lapierre, Cecilia Leung, Ryan Ringle, Vladimir Ryjkov, Mathew Smith

### RFQ

- The cesium source to be replaced by the Li source. Should be an easy swap.

### EBIT

- Installation of collector, HV duct and HV connections complete
- EBIT now being pumped down (beamline section  $10^{-7}$  to  $10^{-8}$  Torr)
- Now conditioning the cathode
- Should receive the einzel lens by Fri or Mon, wait a bit before installation
- Detector:
  - Final design is ready; now waiting for machine shop drawings and input from Cam
  - Simple design, can see beam from both direction without need for mechanical movement
  - Assumption of isotropic emission of electrons from the plate

### MPET

- The electron gun wasn't working; started working again after replacing the cathode
- There was a second-hand effect due to electrons bouncing from the walls; it was successfully reduced by negative biasing
- With the RGA on, the same junk is seen in the beamline section (after closing it off and pumping down) as with the full vacuum space including the Penning trap. The junk quickly gets pumped out from the beamline, but not so easily from the Penning trap section, since it is a small, closed space.
- The vacuum now is good enough for the August experiment, so no baking is required (undesirable because baking could potentially damage such components as insulators)
- The vacuum commissioning should be complete by Monday
- Need high-voltage pulser (had brief discussion with Peter Michule a while ago, no news since)

### DAQ

- Need to define parameters to go into the controls database (for example, the frequency step)
- Still need to install remote control: this might be a crucial issue if there is no access to the platform for 2 weeks because of high neutron flux from the RFQ.