

Minutes TITAN group meeting

Thursday, October 28th 2010

Present : Jens, Paul, Dieter, Matt, Ernesto, Martin, Stephan, Aaron, Benjamin, Vanessa, Mel, Annika

1. Status RFQ, laser

- 4 kV and 3 Kv Behlke switches on their way. Should arrive in 2-3 weeks.
- Gas purifier. Should arrive no the 3rd week of November
- Phase-locking RFQ clock and FWD Ext. clock with MPET clock. On hold.
- Preparations for the S1148 experiment. Able to reverse-extract and fluoresce

2. EBIT

- Compressor is on. Helium has been topped up by Mel.
- Pressure is coming back to 10^{-9} range.
- Rb multiply charged ions possible (9+ is planned)
- New PLC panel for EBIT vacuum (Mike Leross)

3. CPET

- CPET parts are stored in a cabinet at TITAN lab. Don't touch without Vanessa's permission.
- MCP detector at proton extension hall in the vacuum chamber.
- Ceramic parts to be cut by the machine shop
- Schedule for baking. Next week (Usman)
- EPICS controls for CPET. Define what modules are needed by January 1st.
- Benjamin is working on simulations.

4. MPET

- 6+ Rb ions were measured.
- Higher charge-states foreseen.
- Vacuum is an order of magnitude better than last year.
- Bradbury-Nielsen time gate is working well.
- Dali detector not sparking anymore. Can be used as an option.
- Pressure regulation system. One knob was in the wrong setting. Someone could have bumped into it. System will be protected.
- Stephan plans to make measurements with and without the pressure regulation system
- EPICS access to controls via LabView. Jane and Rod are ok with it. But meeting should be arranged.
- Extra MCP/ phosphorous screen will be installed at EBIT section. Detector needed repair.

5. MEL

- Turbopump in the TRFC section has been changed
- Release valves for the backing line needs replacements in the EBIT section