

## Minutes TITAN group meeting

Thursday, April 07<sup>th</sup> 2011

Present : Aaron, Ankur, Annika, Benjamin, Brad, Ernesto, Jens, Martin, Matt, Mel, Paul, Stephan

Note: Jens announced that Ania accepted the TITAN offer for a postdoc position in the group. She will start in June/July and will initially get involved with the mass measurement programme and the EEC/branching ratio experiment.

### 1. Status RFQ, laser (Annika, Ernesto, Matt)

- Beam attenuator + MCP holder -> REA 1154
  - Priority: Medium
  - Drawings required: 25<sup>th</sup> May
  - Designer: Nemanja Jovicic
  - TITAN action: Contact D.O. And link experiment S1112 and S1320 to REA
- Synchronization of TITAN ppgs -> REA 252
  - Only RF module and FWD trigger modules
- Flow controller
  - Got quotations for Horiba and MKS models. PO for next week
- Preparations for OLIS time (experiment S1320)
  - 40% DC eff. , still tuning
  - External trigger for RVS extract. Working
  - DAQ -> S. Daviel working on it
  - Beam delivery meeting tomorrow.
    - OLIS beam expected for Monday morning
- 74Rb paper submitted to PRL -> put it in arXiv
- 75Rb follow-up paper
- 62Ga draft proposal

### 2. EBIT (Martin)

- Cold head maintenance
  - Leak on top of cold head found by Mel
  - Once leak is fixed, cooling procedure will take place
- Waiting for quotation for monoisotopic Kr and Ca gas.
  - Look at EU companies
- Oscilloscope repairs (~\$900, which is half the price of a new unit)
  - LCD screen costs \$300, but companies also recalibrate scope and issue a warranty
- Plans for opening EBIT in coord with TITAN EEC
  - During ARIS -> cutting rails that support the EBIT for housing detectors
    - Due to welding involved, to be done on maintenance day.
  - Be windows will arrive for installation

### 3. CPET (Brad)

- Cleaning according to UHV standards. -> will be finished by next week.
  - Special care with electrodes
- Ion source support stand at the p-hall.
- Vanessa will be back on April 14<sup>th</sup>

### 4. MPET (Aaron, Ankur, Stephan)

- MIDAS-to-EVA converter fixed (Stephan)
- Scanning script working
- Tests with higher rep rates (20 Hz, 50 Hz, 100 Hz)
  - No extra noise due to rep rates observed this time.
- New table on its way
- Simulations for beam optics for new position of MCP0 (Ankur)
  - Movable BNG, before CPET as an option
  - Design of lens+steering electrodes
- Breakout box for TITAN MCPS -> 23 ch, 8 MCP's
  - Controlled by EPICS (Interlocks)
- Final version of Analysis program (Aaron)
  - New field maps (EVA .ini file)
- Next step -> do the analysis of the Rb data by the end of May (before ARIS)
- MPET shelf back (Martin. Mel)

### 5. MR-TOF (Ernesto)

- Giessen group to send start production of device
- Sketch of support structure
- Standards for ion gauges, pumps, controllers to match TRIUMF

**Next meetings will be on Thurs. at 15:15.**