

TITAN Group Meeting: Tuesday, October 2, 2007

Present: Jens, Vladimir, Maxime, Paul, Mel, Chris, Thomas, Alain, Mathew, Ryan, Nina, Dave

Minutes: Dave (sorry, in advance)

MPET:

- Optimization and systematic measurements making good progress
- Good news: now have a significant tof effect (15-20%, compared with 5% during run)
- Bad news: the strong tof effect has revealed distortions in the peak lineshapes
- Efforts to fix the lineshape have yielded some results, notably correcting the E-field with the correction tubes (best results are when they are the same as the endcaps); the guard correction electrodes had little effect; trap depth likewise had little effect
- Vladimir wonders about magnetic corrections and would like to launch the realization of a "kapton blanket" room-temperature shim
- Consensus that a comparison of 6Li and 7Li would be valuable, especially since a detailed mapping of the trapping-field homogeneity is not possible at present due to the long/wide buncher pulse
- Vladimir asks if pressure regulation system will be ready soon but it has not been a priority so nothing is ready
- Daly detector work: debate on whether to machine the cross holding the electrodes; gate valve should arrive in 1-1/2 weeks
- Question of when to do the He fill (seems to be scheduled for after 11OCT)
- Paul informs us of the RF switching network progress; pre-defined patterns will enable programmed switching between different modes plus a manual switch capability
- Vladimir will do a dry run of his APS talk on Friday OCT 5 (pm); he will inform us of the exact time and location

RFQ:

- not all pieces for the apertures are ready yet but there shouldn't be any problems
- current planning will allow for installation of the emittance rig OCT. 11 at which point the MPET measurements will stop
- running buncher in reverse extraction mode for laser excitation measurements: OCT 18

EBIT:

- New teflon parts have arrived so the trap electrodes can be mounted off-line to make sure there will be no short circuit; goal is to have EBIT operational for end of October
- Alain informed that the EBIT control system integration has been postponed until early 2008 hence no need to try to combine trap reinstallation and vacuum equipment; this will coincide with the installation of the switchyard
- Alain requests vacuum drawings to be updated
- Energy analyzer in final stages of simulation; goal is to have a design review (Mel and Jens) and sent it to the workshop to be ready by NOV 1st

Absences:

- Vladimir: 9-13 OCT
- Jens: 9-11 OCT

Next meeting: Tues OCT 9th at 1:30 pm