

Minutes TITAN group meeting

Thursday, September 2nd 2010

Present: Jens, Paul, Mel, Matt, Usman, Thomas, Benjamin, Martin, Martin S.

1) RFQ

- Some gauges in the RFQ need to be cleaned, Mel is doing this right away
- Ernesto was working with the RFQ during the past week. Most probably to improve transmission Mel says.

2) CPET

- Usman is working on a report about electron injection, he also found another potential range of the electrodes (~250V) for which injection is possible
- Injection is very sensitive to potential energy changes (in the order of 0.5V)
- Maximum intensity is 60%
- NEG Coating of the vacuum tube that just arrived from GSI will be tested
- Electrodes came back from gold and silver plating. There is trouble with some of them, they have black spots, which might be corroded silver and even some layers are not very well attached to the electrode. Paul is negotiating with the company about redoing these electrodes.
- Benjamin continued simion simulations, electrodes can now be fast adjusted according to an excel time table, longitudinal position of the electrons is then written back to excel and plotted during runtime.

3) EBIT

- Martin is preparing a TODO list & timeline for next beamtime in November
- Work on gunrack: integration into epics, work out interlock system, reactivate REA966 for HV-duct

4) Martin

- Finished the simion simulations, assembled the device. Some screws are still missing but ordered. Martin will clean all the parts with Mel and reassemble the device once the screws arrive.