

Minutes

TITAN group meeting

15th July 2010 ISAC-II conference room @ 1 p.m.

Present: Jens, Fritz, Matt, Mel, Thomas, Stephan, Martin, Benjamin, Aaron, Vanessa, Ernesto, Usman.

RFQ

Ernesto

RFQ: Laser switch boxes are ready (but breaks down at 5 kV, Daryl is investigating the matter), grey boxes are used with one switch and removed some switches as well.

Pulsed DT: Older switches suffered over heating, replaced 20 kV switches, previous 1 mohm resistor blew up, changed EPICS so that users can only apply 20 kV on the switch. New switches boxes bought.

RF PSD: Tim is programming new supply for e-meter deflector (Tim has more).

RFQ manual: version-I is done, ion source assembly underway, 50 optical fiber arrived.

Others: New ion source assembly underway.
50m optical fibre (good for 600--850 nm) has arrived.
and preparing for the PASI 2010 in Brazil.

Tim

RF PSD: Report is ready and is available in the trshare.

MPET

Stephan

Beam preparation is in progress, Max told that dipole were applied before closing the trap. Few problems with MCP detector: a. have 25 mV peak to peak @ 440 Hz, b. MCP moved backward, could reduced threshold but leads to double triggering and if we keep it high then missing counts. Injection is still not optimal.

Overall: Moving forward, RF working. (Jens added) Target module -3 out of commission, right now having problem for beam to ISAC-II, more beam time expected! Stephan will send the beam time schedule at the end of next week.

CPET

Vanessa

CPET electrodes are in the company for coating, GSI is testing if NEG coating was successful. Diagnostic parts ordered, will send the list of the diagnostic parts to all to check.

Making work plan for CPET.

Usman

SIMION simulation is working nice but injection looks very sensitive to the angles and positions, expecting to provide the values next week.

Benjamin

Waiting for the magnetic field to insert into the SIMION simulation, LABVIEW machine is OK.

ECBR

Thomas

TITAN EC: Sampling the total 5V input leads to bad energy resolution, simulation of EBIT is underway , got email from Camberra. Dewar epoxy has a crack.

PhD student for SFU is staying at TRIUMF house and running experiment at SFU.

August 2nd; next teleconference for TITAN EC.

RFQ paper timeline : two months.

EBIT

Aaron

EBIT: Contacted cryogenic for a date on servicing the cold head. Can change the cold head without breaking the vacuum.

MPET: Finished program for new setup, new EVA fit parameter program complete.

technical papers will reach soon from Max and Alain.

Preparing a paper on He-6 (theory and experiment combined).