

# Minutes TITAN group meeting

February 18, 2010

## 1 TITAN plan 2010

- overview over TITAN plans 2010 is shown
  - new changes: OLIS laser only in May; Kr and Ge mass measurements in July
- updates of TITAN 2010 priorities/ milestones

## 2 Updates

### 2.1 Status RFQ, laser

- EM shows setup
- emittance measurements planned for next week
- focus of laser is fixed, camera is at right position
- $^{6,7}Li$  measurements next week

### 2.2 Status TITAN EC

- TB presents report: tig10, DSpec
  - report will be posted online

### 2.3 Status CPET, field measurements

- trap structure design is on its way thru design office to the machine shop
- NEG coating: VS is in contact with GSI
  - asap they will perform NEG coatings on titanium substrate to check if they can produce good films
  - then shipping of tube

- offline setup fits on platform
  - support structure still in design (the structure will be the same like the one putting in the final beamline)
  - new REA number is needed for new stands? MG checks that
  - status: designing and ordering equipment
- MCP test set-up:
  - roughing pump is not working anymore. It pumps only to a pressure of 35 Torr.
  - in future: If there are problems with pumps and one needs another one, call MG first.
- field mapping:
  - PD shows graphs of field mapping: the axial field as well as radial fields of the 7T magnet are shown.
  - Spencer writes a report about the results
- ppg: For CPET the timeline for the ppg will be around December

## 2.4 Status MPET

- dirty assembly of Daly detector. MG: “I am very happy what I saw”
- cleaning in process, clean assembly

## 2.5 Vacuum: RF cooler

- drawings are incorrect. Only a cold cathode looks at vacuum
  - all the time there was no reading of the pressure. It should be around  $10^{-2}$  Torr.

## 3 Jobs that are in the Machine Shop/ Design Office

### • Machine Shop:

- W/O 38287: Platform extension: additional support stand leg
- W/O 38174: Cooler Penning Trap Feed Thru'

### • Design Office:

- 1.) REA 969, ECO 2109; Cooler Penning Trap (Trap Structure);
- 2.) REA 1061, ECO (Not Currently Assigned (NCA)); Cooler Penning Trap (Maintenance/Service Stand);
- 3.) REA NCA (Formerly 1055), ECO NCA; Cooler Penning Trap (Beam Line Modifications);
- 4.) REA 966, ECO NCA; EBIT HV Duct
- 5.) REA 1048, ECO NCA; RF Cooler Replacement Grounding Mechanism.
- 6.) REA 867, ECO 2097; Daly Detector