

Weekly Report

Jens Barth

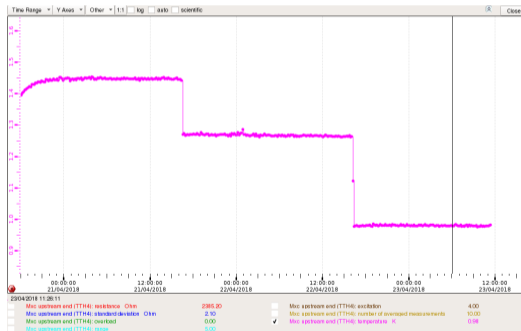
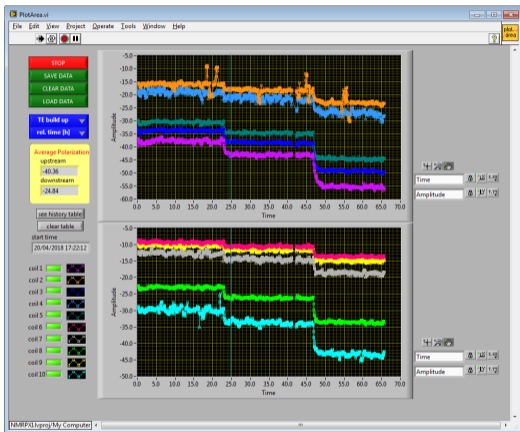
Weekly Meeting April 27, 2018



Target: TE calibration from Friday to Tuesday

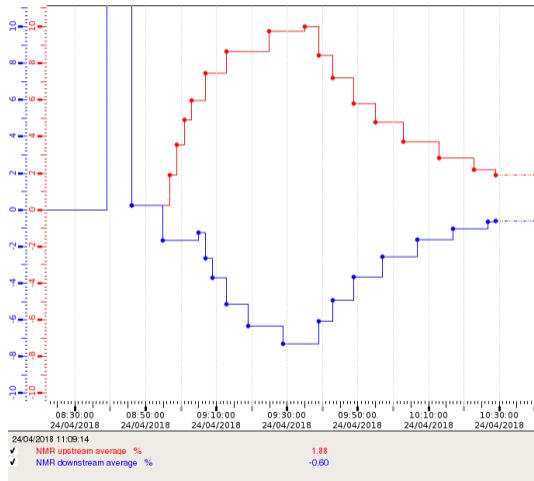
- NO BEAM in the area
- Dipole test was done in the night thursday to friday (20th)
- Test of communication between NMR and magnet control system Friday morning
- Trim coil settings as in 2015
- 1st temperature point (1.44 K) started at 18:00 on Friday
- 2nd temperature point (1.27 K) started at 16:30 on Saturday
- 3rd temperature point (0.98 K) started at 16:10 on Sunday
- 4th temperature point (again 0.98 K) started at 11:00 on Monday
- TE calibration finished Tuesday (24th) at 8:00
- Target shift for TE calibration

Target: TE calibration from Friday to Tuesday



Target

Tuesday morning: μ waves and polarising procedure tested



Preparations on-going

- HV and signal cables prepared
- HV crate prepared, took HV modules from SciFi55
- VME crate prepared including fan tray
- characterization of PMTs done
- full analogue chain tested, signals seen
- TDCs arrived at CERN
- missing mechanical parts will be manufactured in Illinois

Installation works

Tuesday afternoon

- Veto Up installed
- Concrete platform for Beam Telescope and Veto Inner 2 (VI02) installed

Wednesday

- SciFi01 surveyed
- SciFi03 installed and surveyed
- VI02 installed and surveyed
- SciFi04 installed and surveyed

Thursday

- SciFi15 installed and surveyed



cabling of SciFis finished

MM:

- one drift HV lower, unclear at the moment what to do

DC04:

- problems in read-out
- was put into beam position (tuesday) and back into garage position (wednesday)
- DC04, DC05 and ST03 had to be re-surveyed due to mishap with spacers
- exchange of cable
- keep in garage position and observe errors

DC00:

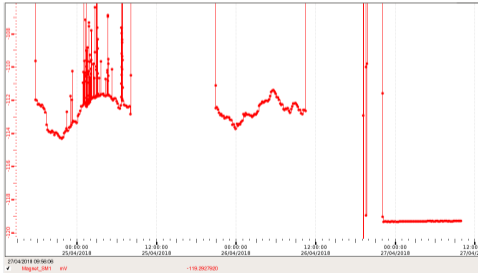
- port missing, in garage position on thursday, back in the evening after repair

Trigger

- all physics triggers except MT need timing in
- few suspicious PMTs exchanged (HO04, H1)
- few cables on VI01 and VI02 exchanged
- new shielding in middle part of H1 installed
- High voltage scans finished
- ^{22}Na source for true random trigger will arrive beginning of next week

SM1 Hall probe

Hall probe was not as stable as in previous years, electronics exchanged



Thanks to all shifters and experts

Good luck to Moritz

Please always wear a helmet and if possible safety shoes in 888

Please pay your food