

Weekly meeting

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COMPASS

April, 6th 2018

- BMS
 - BMS1,2,4
 - BMS3 HV: 13 channels tripped (last Fri.)
 - Faulty HV module to be replaced (spared available)
 - No crucial for data taking
- FI
 - FI01 installed and working
 - FI04, FI15, FI03 and FI01U? to be installed after target loading
- Beam monitoring (on FI01U or FI15U): Dominik will check everything is available for installation after target loading

Detectors waiting for commissioning with beam

- MM
- DC05
- MWPCs
- W45
- MW2
- HCAL1, HCAL2

Other detectors are also basically ready, see next slides

- DC00, DC01
 - Nominal gas
 - HV test OK but HV currently off
- DC04
 - Nominal gas
 - HV test OK but HV currently off
 - In garage position
 - Two missing cards recovered (unclear how)
 - Noise issue under investigations

All in DAQ

- Nominal gas
- HV nominal except for 1 channel (ST03X2 Jura), which has a leak current (“cooking”)
- Cooling water fixed with automatic refilling (15s every 4h)

- Nominal gas
- HV not tested yet
- Pedestal taken for GP01-10
- SrcID 738 two port excluded (GM06UV): 1 ADC broken? Expert will confirm
- SrcID 739 port 1 (GEM07-GEM08): 100% errors on MurphyTV

All in DAQ

- MWPCs
 - New cards and connectors installed
 - Nominal gas and nominal HV
 - One loose gas connector found and fixed last night
- RW
 - Nominal gas
 - Nominal HV
 - Gas alarm for CO₂ flow

All in DAQ

- Nominal gas
- Nominal HV for 15 channels out of 16
- 1 HV channel at 85% of nominal

In DAQ

- Preliminary triggers
 - H1/H2 ready
 - HM in place
 - Some slabs for HO03 to be installed (over the weekend)
 - NRand and TRand on
- Final trigger
 - Vup and VI02 to be craned into position after target loading

- ECAL1 no laser monitoring
- ECAL1 excluded from DAQ, due to errors?
- ECAL2 in garage position

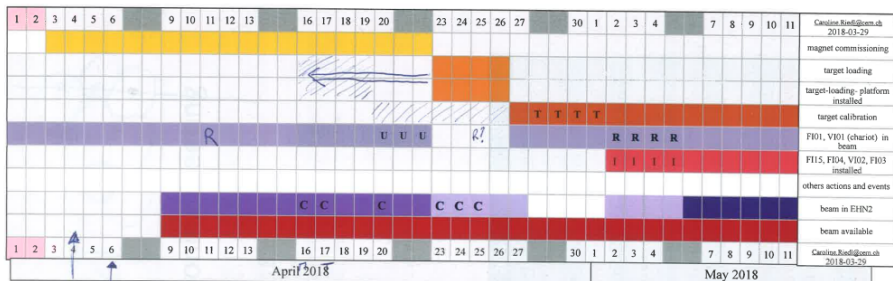
- Only MAPMTs
- 1 Faulty PMT on Jura bottom
- Further investigation during an opportunity for LAT in garage position
- (Guiding and helping ST03 and W45 to regenerate gas filters)

- Running smoothly
- MurphyTV needs to be cleaned off unused detectors
- E-checklist in commissioning and promising
- Crosspoint switch ready for installation (2h next two weeks)

- Operational
- 149 mask alarms: Check the alarms of your equipment
- 284 settings differences: Update your references

- Commissioning of safety elements are done
- Commissioning of field rotation scripts ongoing

- Worked finished from CERN side
- Installation of new PMTs to be defined with Target activities and Beam telescope installation



Status of other setups

- NA64: Setup ready, waiting for beam
- Proton radius: Setup basically ready, installation of trigger over the weekend
- MuOnE: Setup ready (tbc) and safety visit scheduled at 11am today

Beam line and beam time

- Balcony shielding: **Installed this morning**
- Li absorber not yet **installed**
- Beam permit **ongoing**
- Low intensity muon beam over the weekend: **Trigger commissioning**
- Expected 40 units from Monday (cannot really expect **higher** before last week of April)

Of course a reminder

- Switch your on-call phones ON
- Sign up for Shifts: <https://compassshifts.web.cern.ch/compassshifts/>
- 888 access system training at 2pm at 888
- Once all points are checked: You are kindly invited to the beginning of Run BBQ Sunday 15th 10am-4pm.

BACKUP