Weekly meeting

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COMPASS

April, 6th 2018
BMS and FI

- 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
ECALs

- 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
CEDARs

- 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