Weekly meeting

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COMPASS

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BMS and FI

BMS: Good
- BMS1,2,4
- BMS3 HV: Faulty HV module replaced (some channels send false tripped signals → masked in DCS)
- BMS4: 16 missing channels recovered (ripped flat cable)

FI: ongoing OK
- FI01 installed and working: Wrong cabling and broken cable fixed
- FI04, FI15, FI03 and FI01U? to be installed after target loading (R/O checked and OK)
SDCs

- DC00, DC01: Good
- DC04 in garage position
  - Noise issue solved (coming from a loose connection of a F1 card)
  - Missing 1 F1 on X4 (replace inner cable from card to patch panel)
  - Instabilities in two F1 cards: Y3 and Y4 (to be monitored)
  - Multiple errors on SrcID 260 (DC04 prime views)

Investigations and intervention: latest next Monday
Hall probe

- offset + large fluctuations

Contacted Johannes (waiting for his reply)

Hint from Ana-Sofia in 2011 (Hall connection box)

Faulty

- After access call the piquet to switch SM1 back on
- SPS logbook: “Advice to never turn off PC to spectrometer due to difficult restart.”
SrcID 738 two port excluded (GM06UV): 1 ADC broken to be exchanged next Thursday (?)
A spare ADC has to be identified:
- 2 sent to Igor for repair
- the ones from GM11?

Martin is waiting for a reply from Igor and Bernhard

SrcID 739 port 1 (GEM07-GEM08): 100% errors on MurphyTV
MWPCs
- Errors on PS01, SrcID 460, port 7: ≈ 60% MurphyTV errors
- New cards and connectors installed, look ok so far but: Noise and mapping issues?

RW
- Gas alarm for C02 flow: too low
- Issue with latency?
MWs

- MW1:
  - Improved gas circulation
  - Last missing HV channel could be raised to nominal value
- MW2:
  - Noise: amplifiers on MB01X1db (ch. 14) and MB02V2ub (ch. 108) exchanged

  OK
Preliminary triggers
- HV scan for OT completed last night (with help from Christophe)
- HV scan for H1/H2 to be done in the coming days
- Some slabs for HO03 to be installed next week
- MT, BT, Halo, Last1 timed in
- Several peaks for OT to be timed in
- CT included in the DAQ (single muon?)
- MT+LAST, LAST2 are prepared
- OT+LAST, once OT is timed in

Final trigger
- Vup and VI02 to be craned into position after target loading
ECALs

- Increased HV
- Adjusted amplification
- Laser for ECAL 1 not on
- Reduced LED for ECAL 2

OK
- Running smoothly
- Cool: Some instabilities with TDC base detectors
  → roll back to previous Daq Decoding Library
- E-checklist: DR is still missing, submission can be tricky
- Crosspoint switch: further check ongoing installation next week (?)
Operational

- Hiccough with Cuckoos: authorized ssh keys on pccorc36 were removed
- 74 mask alarms (reduced by a factor 2 wrt last week): Check the alarms of your equipment (Si, target, MM, ECAL1/2, CEDARs)
- 230 settings differences (20% less): Update your references
• Commissioning of old field rotation script done
• Long lasting solenoid at full current done

• Commissioning of new field rotation script today
• Long lasting dipole at full current after target material loading
• Check of the NMR system
- Worked finished from CERN side
- Installation of new PMTs starting from next week
Status of other setups

- **NA64**: Setup to be dismounted next MD
- **Proton radius:**
  - Collecting data
  - TPC in self triggering mode
  - Trigger prepared by Moritz
  - TDC and DAQ sync to be done
  - Si commissioning
- **MuOnE:**
  - collecting data
  - Calorimeter (PbWO4) to be cabled beginning of May -1MD-
Beam line and beam time

- Li to be installed (to be discussed with TC, Erwin and Vladimir)
- Around 42 units since Monday (cannot really expect higher before last week of April)
- Some downtime due to BLM (not fixed yet, but patched and operational for the moment)
- Mu+ beam file prepared for slightly higher intensity for PRM for the weekend
A great thanks to:

- To all shifters from this week and from the previous one
- To all detectors experts

Your next weekly coordinator: Michael Pesek

Good luck!
Of course a reminder

- Switch your on-call phones ON
- Check bookies and update references (DCS and coool)
- Sign up for Shifts: https://compassshifts.web.cern.ch/compassshifts/
- Once all points are checked: You are kindly invited to the beginning of Run BBQ Sunday 15th 11am-4pm.