Dry-Run 2020

Weekly report (23 Nov. - 27. Nov)

Carlos Azevedo

University of Aveiro

Friday (20 Nov.)

- Trigger matrices changed to hodoscope mode
  - Please follow comments #63081 and 63082

- LV on in BMS stations 1-4
  - No HV due to network problem with BMS barrack

- LV/cooling and HV on for Scifi1,3 and 4
  - Some problems detected (HV cables not connect and some stations not showing data in coool)
  - Thanks to Moritz and Stefano who followed Rainer Joosten instructions

- GEMs with new pedestals
  - 737 738 739 740 750

<u>Weekend (Saturday 21)</u>

- Igor Koronov asked for work in DAQ during weekend

- Losses of communication with power switches (GEM, PMM LV, DC04 LV)

- New safe stop for DAQ implemented:
  - Comment #63084

Monday (23 Nov.)

- Network connectivity with GEM PS is back

- TCS signal problem [Old TCS module giving less signal].

- DAQ team also reported slow connection in X2Go server due to high number of users attached.

- NMR test [supposed in morning] will be performed in the afternoon according to EP-DT availabilities. Magnet field rotation tests tomorrow

- Alarm for the new gas flow compressor is set to on in DCS.
  - need monitoring.
  - very critical if alarm state.
  - Shift crew need to call Oleg Denisov on 169025.
  - Christophe proposed to put this number in the notification list for the alarm for non shift periods.
- Threshold scans for MMs and thresholds lowered

- RICH APV mapping check activities with Pedestal runs

Tuesday (24 Nov.)

- Problem with scaler readout
  - Time out over night.Now fixed

- Network connection lost:
  - Brain boxes PCCOBB01, PCCOBB02, and PCCOBB03 have been power-cycled.

- Measurement of TCS between trigger and DAQ barracks.
  - Signal loss measured

- Scifi1 and Scifi4 went off during night
  - No reason was identified. Investigation on course

- Network to BMS barrack restablished
  - Inclusion of BMS HV in DCS

- PT communication test between NMR and magnets
  - Tested the safety region. Magnet commission almost ready

<u>Wednesday (25 Nov.)</u>

- DAQ crashed overnight. Started shift with a CleanDaq procedure

- MWPC srID 460 with errors since yesterday. Was removed from DAQ in order to take pedestals for DC5 (same multiplexer)

- PMM 380, 381 LV went off and run was stopped
  - Switched ON and loaded. 380 giving errors but running

- DAQ safety stop was not working properly
  - If connection lost with TCS a DAQ crash occurs in 2-3 min.
  - Procedure changed to crash immediately as the signal is lost and notifies the shifters

- HCAl1 606-609 were activated in FEDB.
  - 608 and 609 are working fine.
  - Front-ends attached to 606 and 607 are not powered on

(CONTINUE IN NEXT SLIDE)

<u>Wednesday (25 Nov.)</u>

- PT magnet commissioning
  - Changing the field from dipole to solenoid and vice-versa
  - Magnet current off during this week

- RICH PAPMT threshold scans

<u>Thursday (26 Nov.)</u>

- DAQ still crashing due to the signal loss with TCS

- Integration of several temperature sensors and HV for RICH MWPCs in DCS

- PT: starting to setup the microwave generator

- RICH: integration of LED pulser in DAQ