

# Dry-Run 2020

Weekly report (30 Nov. - 04. Dec)

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## Monday (30 Nov.)

- Several DAQ crashes logged
  - Few stops due to TCS signal loss
  - CleanDAQ seems to have helped
  - Investigation ongoing
- W45 thresholds lowered.
  - Although too noise in chambers 04 and 05
- Loss of communication with LV for GEM 5-9
  - Powercycled
- Micromegas LV PS off again
  - Investigation is needed
- PT: Problem with the control of microwave generator
  - Problem linked to windows and USB adapter chips
  - Investigation ongoing
- RICH: MAPMT HV ON
  - Testing the PS
  - Works in hybrids and MWPC HV in parallel
  - LED integration ongoing
  - Pressure & temperature sensors included in DCS for hybrids

## Tuesday (01 Dec.)

- Several DAQ crashes were observed
  - DAQ team investigating
  - Moritz reproduced the DAQ crash due to TCS loss by touching the lemo cables
  - Cables replaced
- PMM and DCs FE lost again the network configuration
- Threshold scan for DC5
  - Thresholds lowered
- PT: Thanks to Christophe the problem of the control system for the microwave generator was solved
- RICH: HV MAPMTs ON with some broken channels.
  - Channels located and fixed asap
  - LED pulser integration
- R&S LV PSU for GEM4 in new network
- pccobb01 / 03 into slowCTRL network

## Wednesday (02 Dec.)

- DC00-01 LV went off again
- Thresholds in DC00-01 lowered
  - Some noise observed
- DC05 with lower thresholds
- W45 with huge noise
  - Threshold scan script does not correct sets the threshold for noisy channels
- RICH: LED pulser integration starting
- DCS: starting to integrate new LV for GEM4
- HCAL1 calibration events in DAQ
- First DAQ crash observed due to huge quantity of data from w45
  - W45 thresholds set back to old value

## Thursday (03 Dec.)

- W45 threshold and mapping not understood
  - Help of former DE is needed
- Network problem observed and fixed
  - Work on new switch
- PT: test the effect of magnetic field in microwave generator
  - Foreseen for the afternoon
- DCS: integration of LV GEM4 finished