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# WEEKLY REPORT FOR COMPASS DRY RUN 2020

WEEK 16/11 – 20/11

SHUDDHA SHANKAR DASGUPTA

INFN TRIESTE

# PTGT

- In parallel to IWHSS2020 and COMPASS collaboration meeting during this week there were many activities on going!
- There are activities regarding Pt target, RICH, DAQs, DCS, GEMs and PGEMs, MM, SciFis, HCAL1, SM1 and SM2 ongoing.

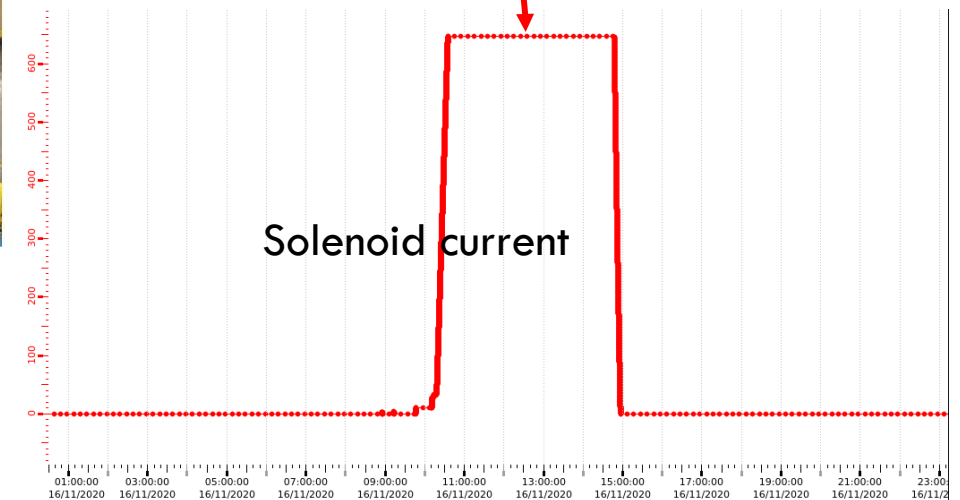
- Test Communication between magnet system and NMR foreseen today.

## Stability tests

- Dipole at nominal 590 A on 12/11 for ~4 h
- Solenoid at nominal 647 A on 16/11 for ~4 h
- Check patch-panel connections temperature
- Check temperature inside the racks on platform
- All OK, no sign of overheating ( $T < 40^{\circ}\text{C}$ )



19/11/2020



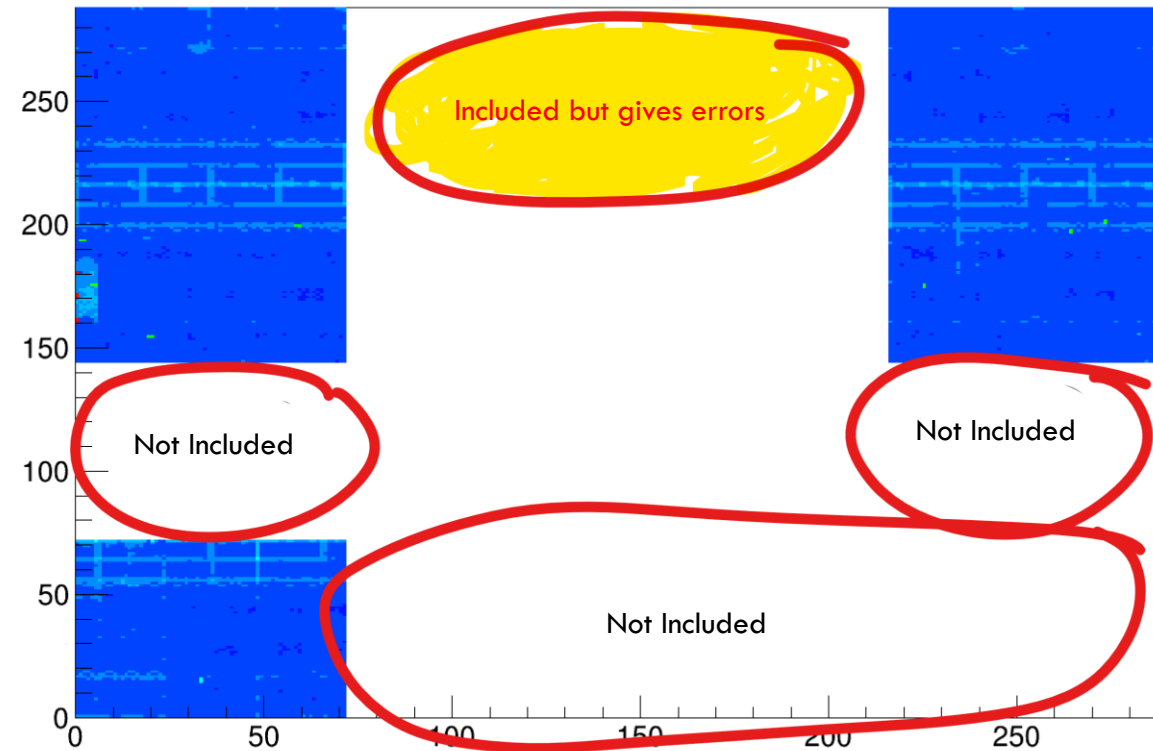
From Michele Pesek on behalf of Pt group

# RICH

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- RICH Full FEE is UP included in DAQ and Running!
- Tests going on. Found some minor errors -> work in progress to solve them asap.
- Work on rearranging HV channels and FEE electronics with experts from remote is going on!

Rich\_APV\_2D\_a2\_sig\_all



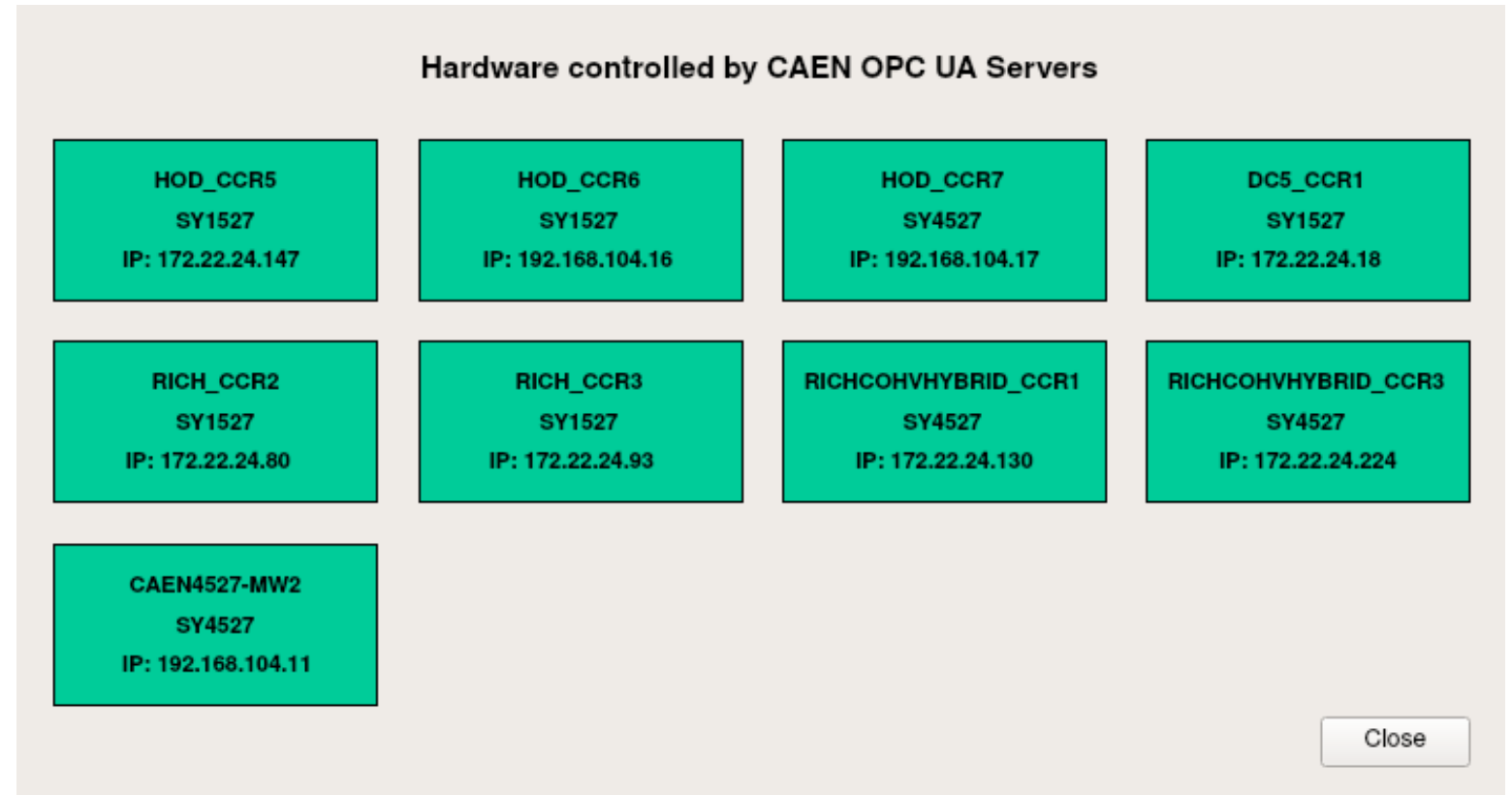
I want to specially thank Christophe from DCS group, The DAQ group, and Igor Konorov for their very kind help!

# DCS

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- CAEN OPC server has been implemented in the DCS.
- All Detector experts, Please subscribe to WinCC-OA in CERN service portal.

<https://cern.service-now.com/service-portal/>



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## DAQ

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- Fixed daq deadtime utility in new gui, can now also be launched separately by "**deadtimeGui**".
- Fixed calibration prescaler control in new gui.
- Fixed an issue where UDP monitoring would not turn back on when the related Slave Readout process crashed and was automatically restarted.
- Electronic checklist pdf uploading fixed.
- many more things has been fixed, maybe DAQ Expert can comment.

## SOME OTHER UPDATES

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- GEMs pedestals have been taken.
- LVs for MWPCs are turned on → Experts taking care of thresholds studies.
- HCAL1 expert on site. Work on checking the LV and the laser calibration system is going on .
- Start to schedule of SM1 and SM2 test.

## SOME NEWS

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### 16/11

- Mapping issue found in SciFi213 → DE aware and taking care of the issue.
- PMM is missing a LV PS
- Water leak has been found on the entre of building 888 that was immediately fixed

### 17/11

- In the end of morning shift the remote crew identified a slow response from x2go → Antonin is trying to find the issue and solve it.
- DC05 show strange hits occupancies presenting just one channel per plane
- 2 runs crashed related to problems with sourceIDs 971 and 801.
- Cables temperature measured and able to long term run
- Old power supply missing for HCA11



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### 18/11

- Several DAQ crashes observed → Antonin and Martin took care → Problem found file server lost configuration.

### 19/11

- A problem with TCD display was reported.
- DAQ stops sometimes missing data streams.
- HCAL1 activities ongoing.
- Demineralized water is running in the hall.
- Start to schedule of SM1 and SM2 tests.





THANK TO ALL SHIFTERS AND EXPERTS