



PFG Shifter Report

**ECAL PFG Meeting
16/10/2017**

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LHC and CMS Status

- **Total ~3.3 /fb last week - 09/10/2017-16/10/2017**

Online Integrated Luminosity (preliminary data)

ATLAS: 3.35 fb⁻¹

ALICE: 1.54 fb⁻¹

CMS: 3.35 fb⁻¹

LHCb: 107.86 pb⁻¹

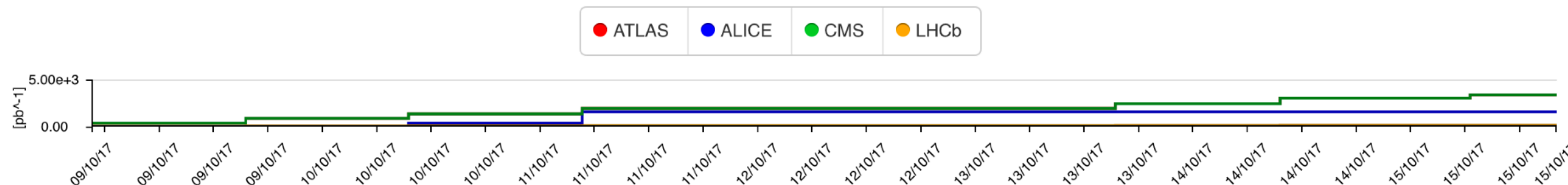
Integrated Luminosity Evolution (preliminary data)

[Export to CSV](#)

[Download](#)

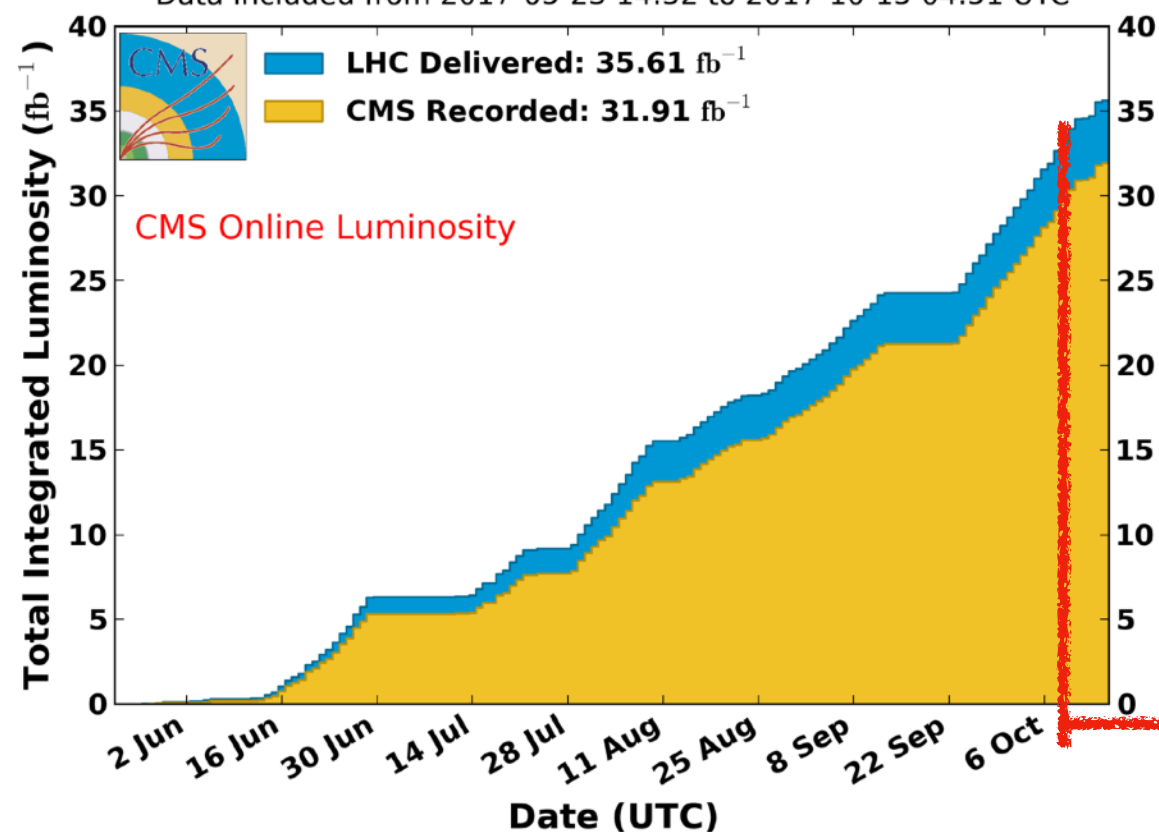
[Undo Zoom](#)

[Hide](#)

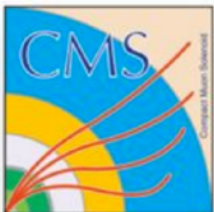


CMS Integrated Luminosity, pp, 2017, $\sqrt{s} = 13$ TeV

Data included from 2017-05-23 14:32 to 2017-10-15 04:51 UTC

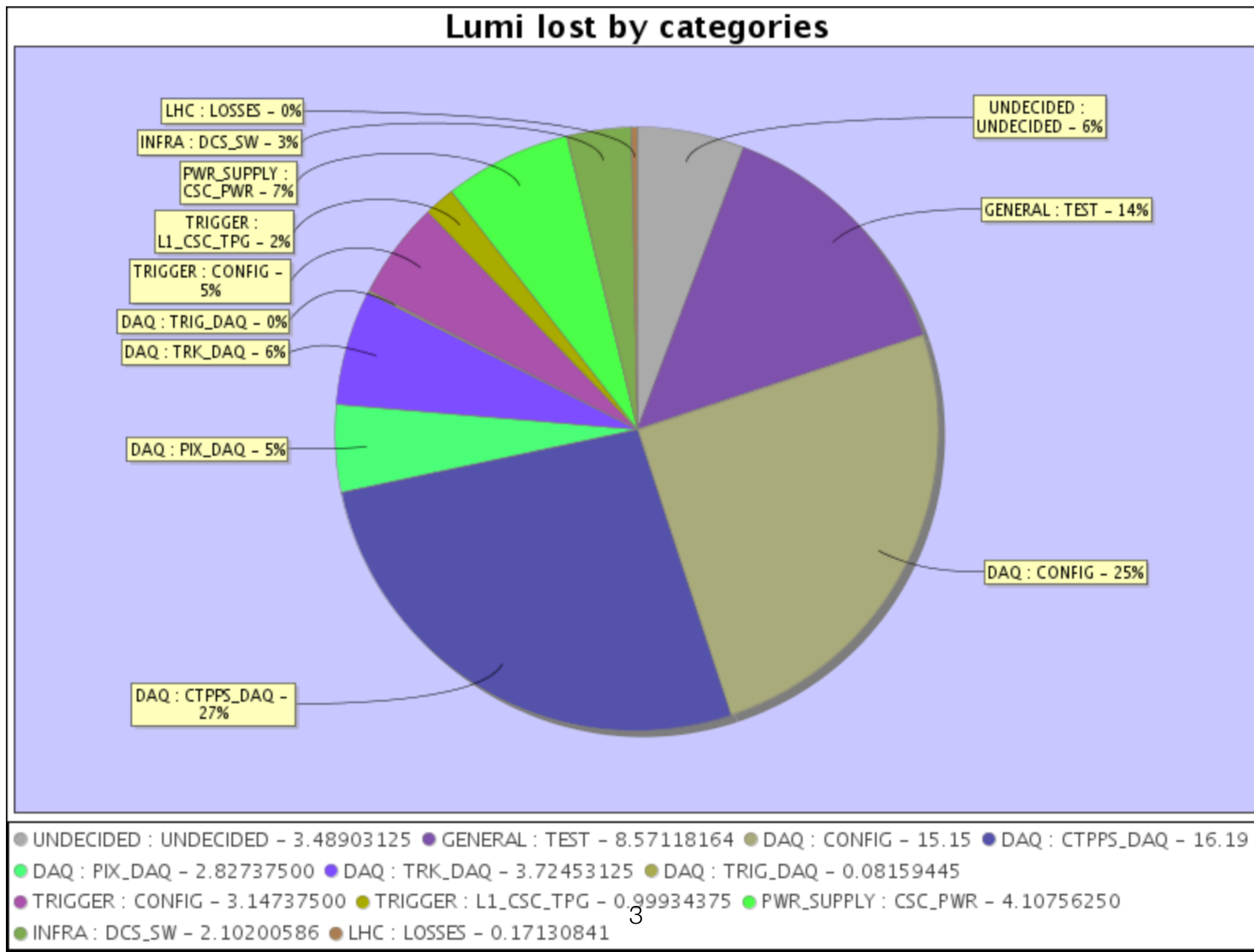


- First Xe-Xe run 304848
- 10/12/2017
- 46 LS



LHC and CMS Status

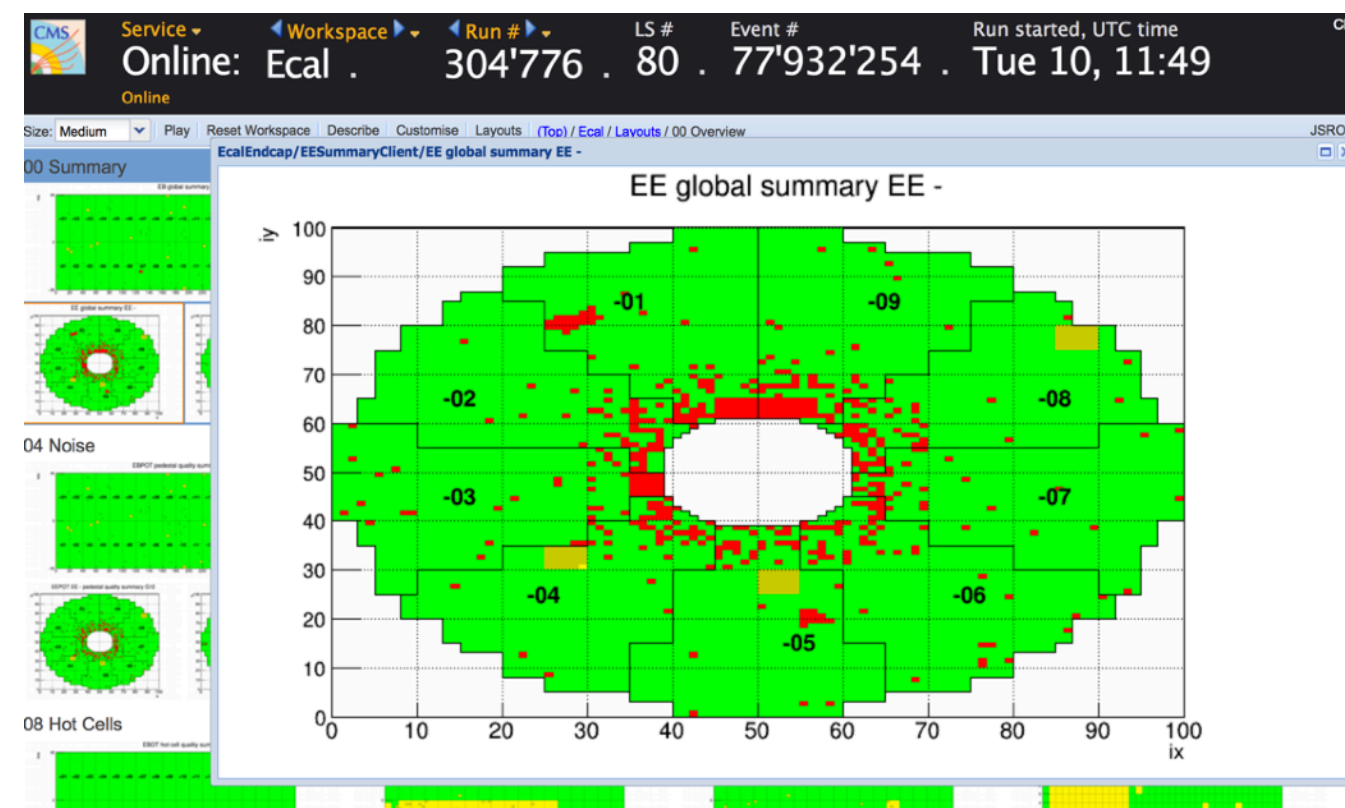
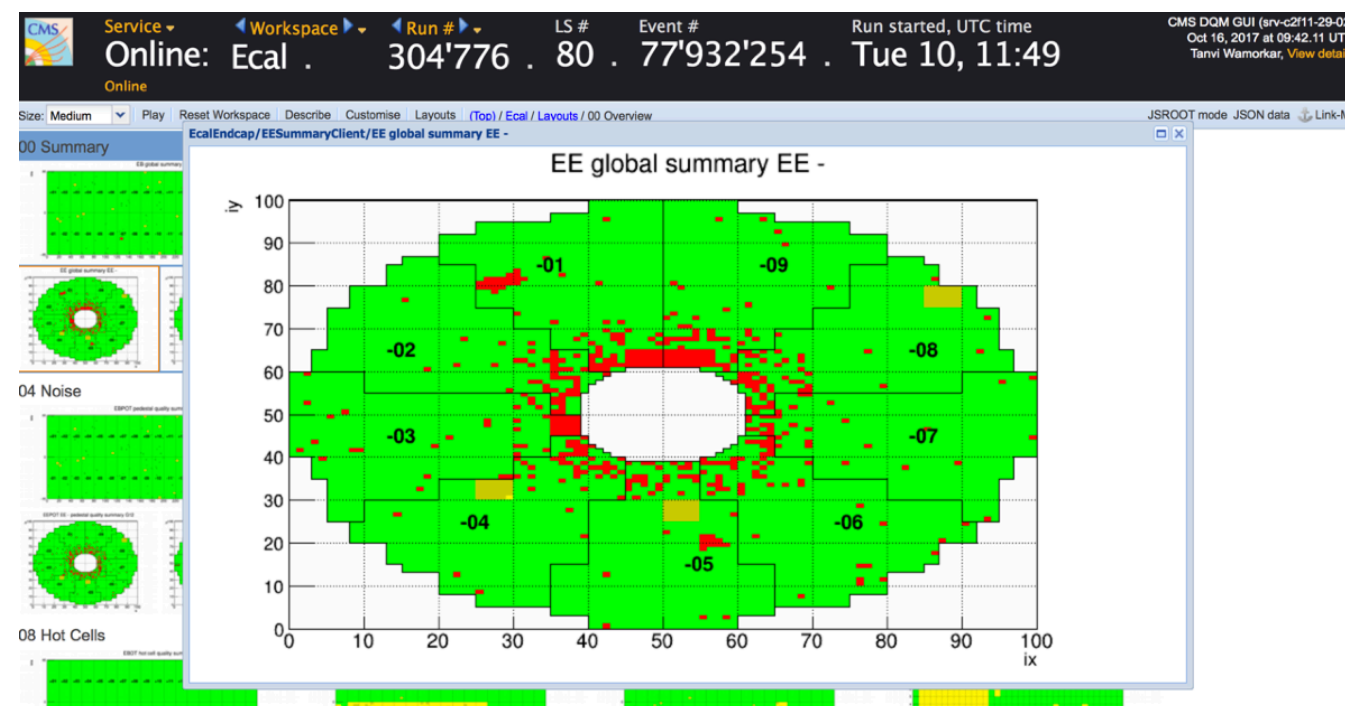
- Fills 6285-6303
 - No downtime associated with ES or ECAL



Main Problems this Week

Run 304776

- Fill 6288
- DQM shifter noted errors in global symmetry plot for Endcap
 - Errors coming from Timing
 - Most likely a PU effect since the errors reduce towards the end of the fill



Main Problems this Week

Run 304880 - Xe-Xe collision run

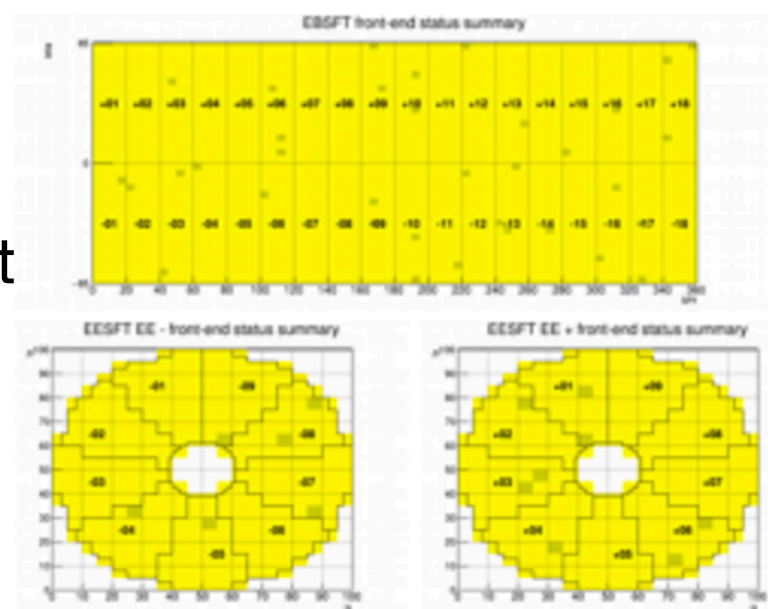
- Quality style plots are reset at the end of every LS
- Occupancy style plots updated every LS and reset every 2 hours
- If a run ends exactly 2 hours after it was started the quality style plots could appear empty

STARTTIME	STOPTIME
2017.10.12 14:49:36	2017.10.12 17:04:53

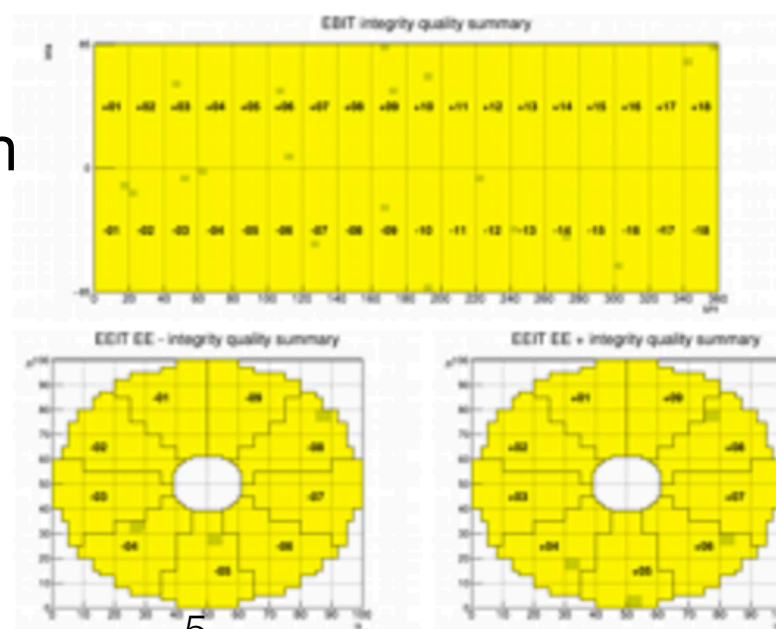
- Could be an anomalous problem in the system clock
- Same problem does not appear in the consecutive runs
- Needs to be monitored

Online

00 FEStatus Summary

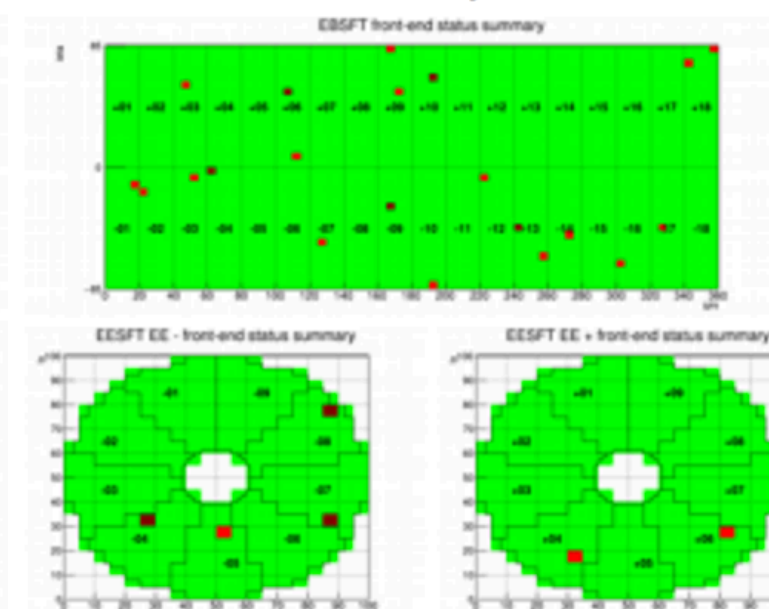


03 Integrity Summary

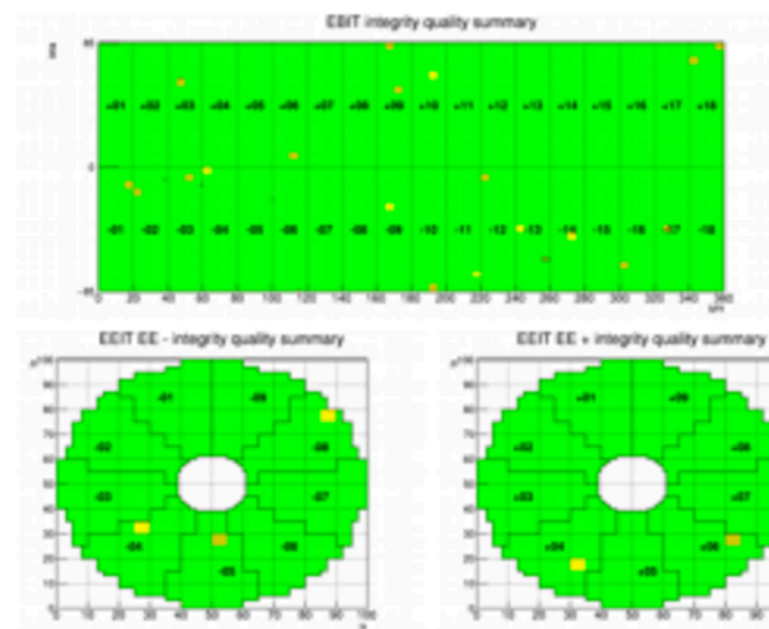


Offline

00 FEStatus Summary



03 Integrity Summary

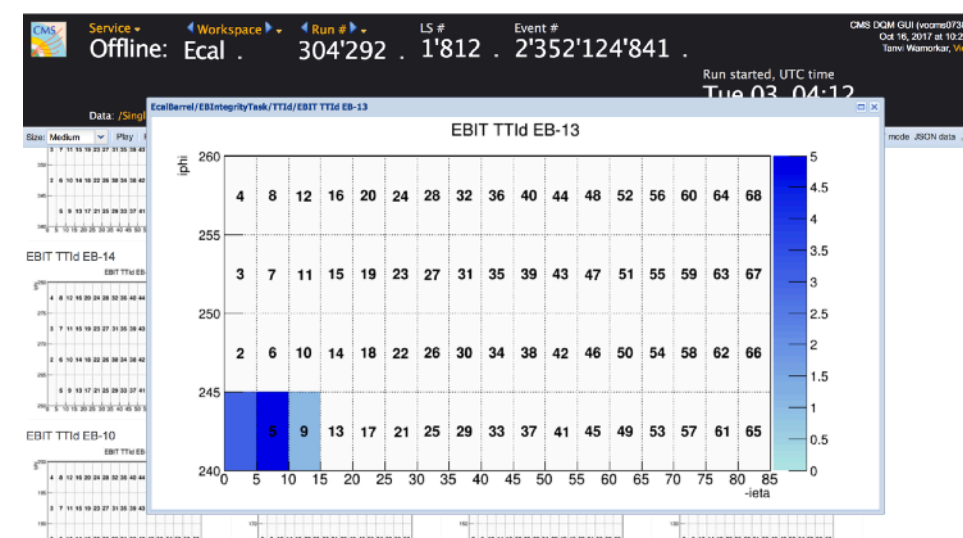
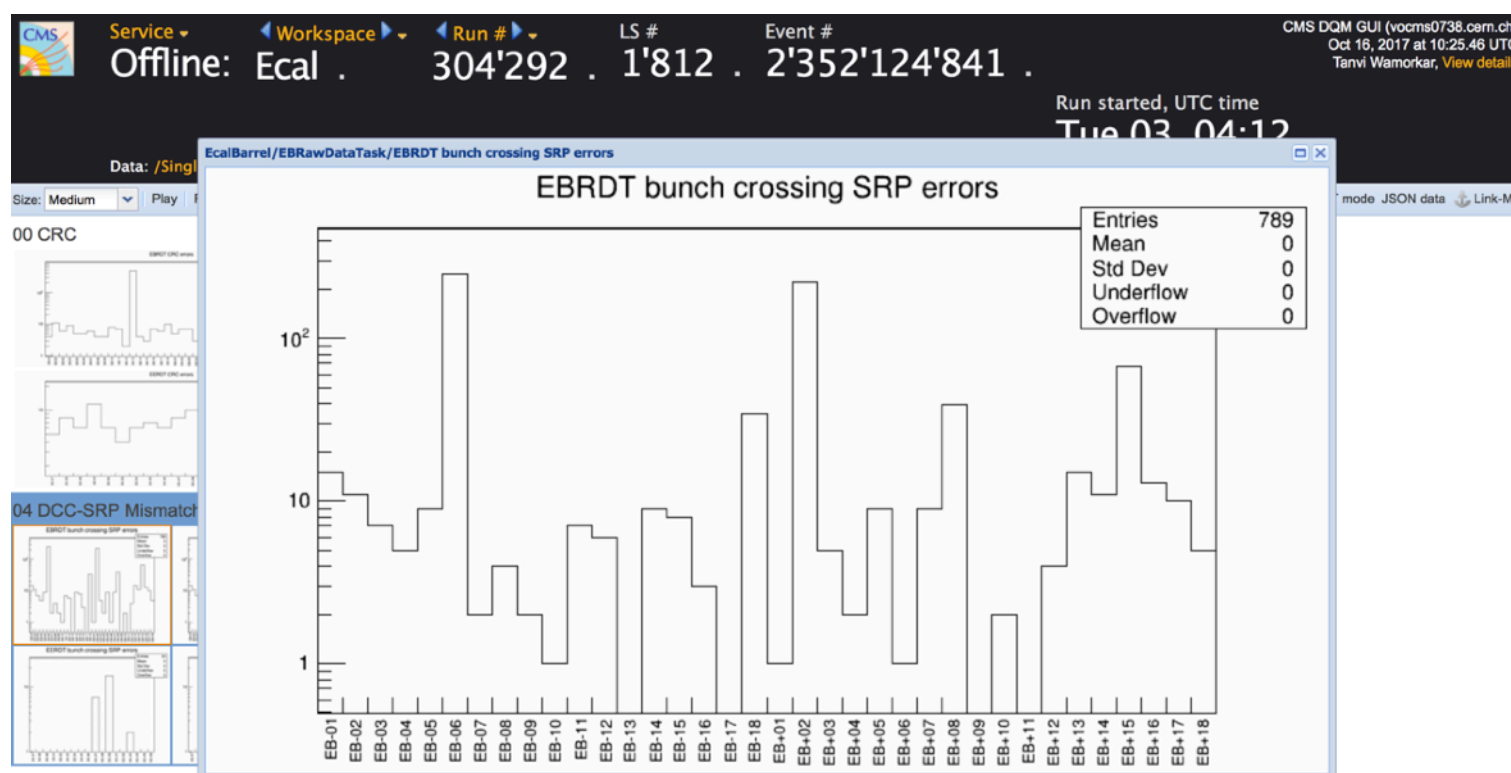
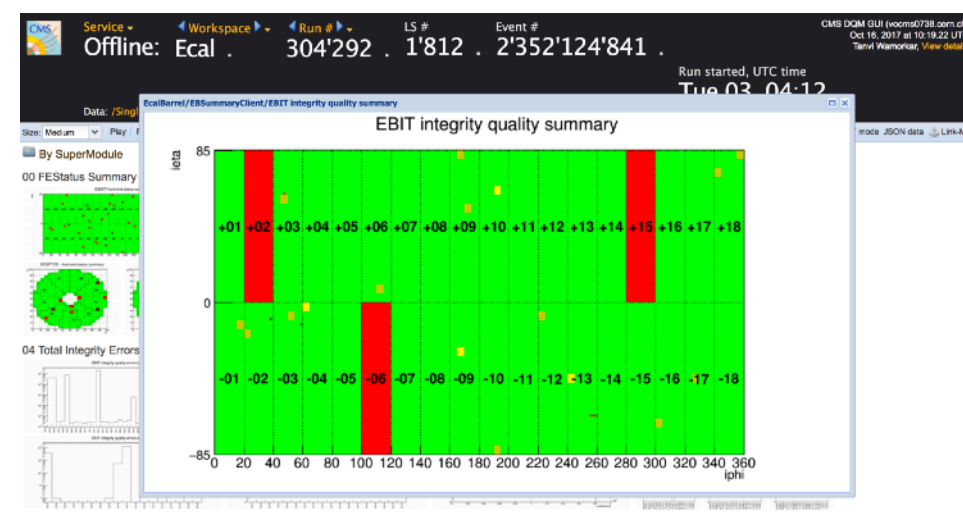


Main Problems this Week

- Several Integrity quality errors in Runs 304291, 304292, 304446, 304447

- Run 304291: bad Integrity quality in EB+02,EE-06,EE+07,EE+09
- Run 304292: bad Integrity quality in EB+02, EB-06,EB+15
- Run 304446: bad Integrity quality in EB+03
- Run 304447: bad Integrity quality in EE-06
- Comes from TTid Integrity problem
 - The red SM's have more than 50 DCC-SRP mismatch errors

304292





Offline Run Certification

- 11 Runs were certified last week (Express Stream Runs):

304661, 304662, 304663, 304671, 304672, 304737, 304738, 304740, 304899,
304906, 304907

- All GOOD

Data Certification for this Week

- Runs to be certified by Oct 16'17 23:59 :

304125, 304144, 304158, 304169, 304170, 304196, 304197, 304198, 304199, 304200, 304204,
304209, 304291, 304292, 304333, 304354, 304366, 304446, 304447, 304448, 304449, 304451,
304452, 304505, 304506, 304507

Good : Single Photon and Single Electron dataset based Offline DQM plots look as expected,
still need final certification in RR

Runs with Integrity Errors

Rest of the runs still need to be certified