



# DQM status report DESY CMS Group meeting

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on behalf of the DQM Team

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# News

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## **DQM GUI 5.2.0 already deployed** (Marco)

- Many new features (some details on next slides)

## **RunRegistry migration to WBM ongoing** (Valdas + WBM group)

- Deployment to wbmdev2 has been tested via RPMs, see <http://cmswbmdev2.cms/runregistry/>
- Waiting for WBM group to deploy to production

## **Harvesting now done on the CAF** (Niklas)

- More on next slides

## **Online DQM moving to 3.6.1p2**, tests ongoing (Luis + team)

- Fixes needed for CSC (Configuration), BeamMonitoring

# GUI

## Many new developments...

- Possibility to zoom on a single plot alone (this, in combination with the "Customize Panel" feature, gives the user almost all the freedom she has in plain ROOT (almost ok))
- Possibility to create dynamic link to the page being displayed such that others can see the exact content (w/o the inconvenience of having to select the correct DS/Run/Workspace/layout, etc, etc...)
- Provenance of multiple reference DS/Runs is now clearly stated in tooltip (so that one knows what he is comparing plots to)
- Header is now fixed in position so that the relevant information is always visible

**For more detailed (+screenshots) description go to:**

[http://indico.cern.ch/materialDisplay.py?  
subContId=2&contribId=16&materialId=slides&confId=83142](http://indico.cern.ch/materialDisplay.py?subContId=2&contribId=16&materialId=slides&confId=83142)

# Harvesting

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## Harvesting now done on the CAF

Data-ops now delivers to CAF by-run merged EDM files containing summed histograms

Harvesting operation now includes:

- relval (by data-ops)
- express and prompt reco (by data-ops)
- rereco (by DQM group)
- preproduction data (by DQM group)
- preproduction MC (by DQM group)

NB: will process all datasets that are announced in PVT HN

**Next dataset will be the 361patch3 ReReco**

# Data certification

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**100 “Collisions10” Runs certified by Offline DQM Shifters and signed off at PVT Meetings (up to 135735);  
About 13 more runs taken so far to be signed off this week!**

14 Quality Flags assigned by-run (L1T, HLT, Detectors, POGs)  
PLUS by-Lumi DCS for 23 partitions  
(NB: Castor available but not used for data certification)

Quality flag corrections needed for the “Collisions10” runs over the last few weeks span from 0 to 5%

Note that Offline DQM Shifters also certify both Commissioning10 and Cosmics10 runs, but only Cosmics10 runs go under the Signoff process (level of QF's corrections ~5% over last three weeks)

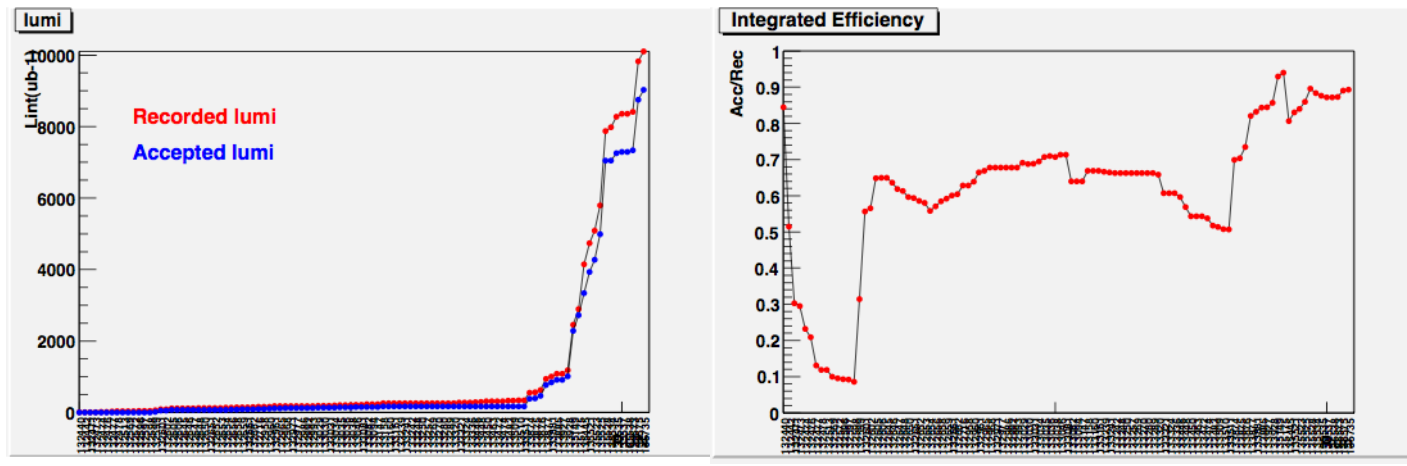
# Data certification: cont.d.

## Recorded vs Accepted Lumi

Recorded Lumi: as per Lumi group calculations

Accepted Lumi: as per official Good run lists requiring:

- Run to be of “Collisions I0” type
- GOOD DQM Flag for all components (L1T, HLT, detectors, POG)
- LS ranges affected by timing scans excluded
- Only LS's with all 23 DCS partitions ON and GOOD



# Data certification: cont.d.

## Recorded vs Accepted Lumi

### Zoom on latest runs

