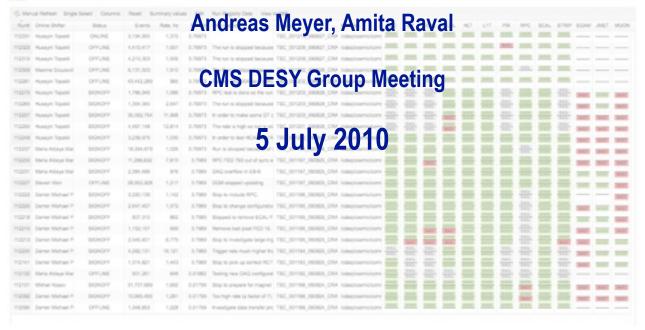




Message Board | Update Selected | Pol Chart | Advanced search | Dump Date | Options | Help | Legged in as Andreas Mayor (EXPERT)@PC Legged



Recent Developments

- DQM Infrastructure
 - Online: upgrade of run control / xdaq infrastructure
 - Offline: by-LS certification

Harvesting

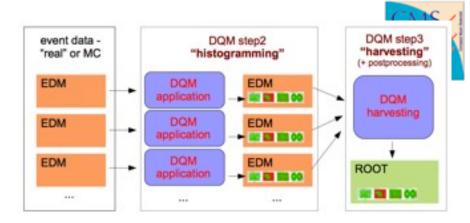
- Extended to include MC (J.Olzem) and ReReco
- (Semi-)automatic DQM processing of <u>all</u> data sets (N.Pietsch)

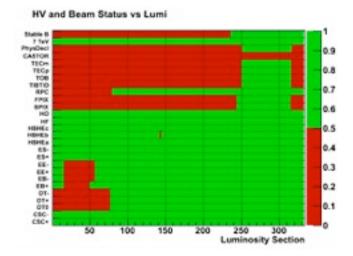
Run Registry

- Introduce Beam Status information
- Automatic Certification
- Integrate with WBM

DQM GUI

- Improving Navigation
- Automation of histogram archival and backup
- Working to distinguish Collision Runs from other Runs

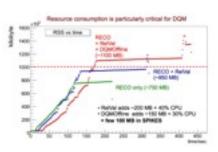


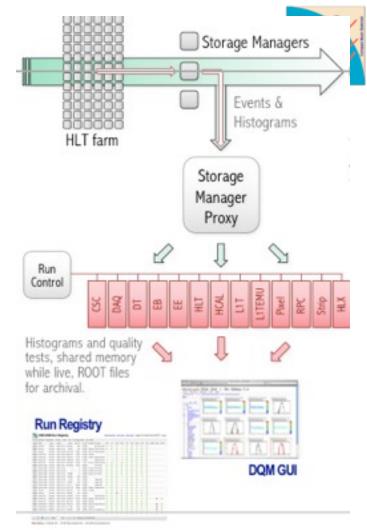




Future Plans

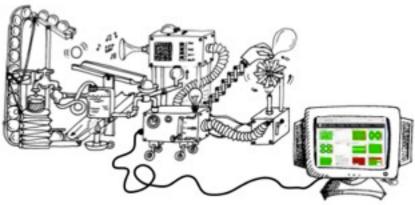
- Online DQM
 - Rewrite of SM Proxyserver
 - Move to using online release installation
 - Improve versioning
- Offline DQM
 - Regular use of reference histograms
 - reduce memory footprint
 - multi-run DQM (required esp. for "physics DQM")
- Data Certification
 - Starting to validate results from automatic certification
- Shifts
 - Further improve/update collection of shift histograms and instructions
- 2-day Offline Management Meeting next week 12/13 July
 - Among other things the future of shift organization will be discussed





DQM Project Coordination





- Past (since 2008):
 - Ilaria Segoni (CERN), Giuseppe Della Ricca (Trieste) , A.M. (DESY)
- Future (starting September 2010):
 - main: Kaori Maeshima (FNAL)
 - deputies: Amita Raval (DESY), Marco Rovere (CERN)
- Re-confirming institutional responsibilities for DQM by "the three big labs on CMS"
 - active participation and contributions to the various areas of DQM is a pre-requisit to sustaining officially accredited remote shift operations

DQM Project Overview

https://twiki.cern.ch/twiki/bin/viewauth/CMS/DQMProjectDescription



- Project Coordination Andreas Meyer (past), Amita Raval (future)
- Data Certification
 - data quality monitoring (online) Amita Raval
 - data certification: produce good-run-list (offline) by run and LS
 - define data certification criteria and procedures (with PVT)
- Software development
 - CMSSW core infrastructure (includes run control and cmssw-xdaq interfaces for 'live' processing) A.M.
 - Run Registry (webserver and database)
 - DQM GUI (webserver and archive)
 - Subsystem code integration (DPG, POG, PAG) Jan Olzem (L3)
- DQM System Operations, data operations
 - Online DQM system Dima Volyanskyy (past), A.M., Niklas Pietsch,
 - Offline DQM histogram 'harvesting' Niklas Pietsch, Dirk Kruecker
- DQM Shift Organization
 - Online and offline shifts 6h/day from remote center at DESY
 - **Expert on-call** A.M, Amita Raval, Niklas Pietsch