CMS Web-Based Monitoring
Central place for integrated CMS online information
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Subdetector Contributions
- Example: ECAL specific RunSummary information with data quality monitoring results and plots

CMS sub-detectors are unique. WBM provides a platform and infrastructure in which they can develop specific tools and displays.

Run Summary information
- RunSummary selection form yields list of runs matching criteria

L1 trigger Summary information
- Drill-down from rates to plot vs. time

LHC, Lumi, DCS, Trigger, DAQ
- Database DIP GMT flashlists

CMS Web Based Monitoring

Run Summary information
- Run listing links to details about specific run

Plot & data, downloadable Root file or Text, XML, HTML raw data formats

Drill-down from rates to plot vs. time

Linkable and downloadable graphics in PNG and EPS

L1 trigger Summary information
- Drill-down from rates to plot vs. time

Linkable and downloadable graphics in PNG and EPS

Real-time trigger displays (L1 pre/post-deadtime & HLT)
- Plot & data, downloadable Root file or Text, XML, HTML raw data formats

ConditionBrowser (custom plots)
- Here: luminosity for squeezed beams (before, during, in lumi scan & after increase)

Sub-detector status displays
- Here: luminosity for squeezed beams (before, during, in lumi scan & after increase)

Fill related information (online lumi., efficiency, downtime, deadtime, runs, bunch scheme, beam info...)

Efficiency reports (RTL)

ConditionBrowser (custom plots)
- Here: luminosity for squeezed beams (before, during, in lumi scan & after increase)

Deadtime reports
- Yearly online lumi. & eff. Computed LHC & CMS records

Daily & weekly accumulated lumi. & info.

CMS Page 0

CMS Page 1

Lumi.

DCS

Trigger

DAQ

Current LHC Beam Status

Data Summary

Fill Report

CMS Page Zero

CMS Page 1

Lumi.

DCS

Trigger

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CMS Page 1