

Table of Contents

Tau L1 Commissioning and HLT DQM.....	1
Contacts.....	1
Tau DQM.....	1
How to run the Online DQM code.....	1
How to run the Offline DQM code.....	2
MC Samples for DQM tests.....	2
L1 CRUZET data Analysis.....	2
How to run the code.....	2
Samples to be used.....	2
Latest results.....	2
Title SandBox.....	3
Review status.....	3

Tau L1 Commissioning and HLT DQM

Complete:

Contacts

- **Contact persons:** Mike Bachtis, Konstantinos Petridis

Tau DQM

The Data Quality Monitoring for Tau HLT goal is to provide code for online/offline monitoring of Tau HLT performance in data coming from the detector. It is split into Online DQM which runs on a stream with rate ~ 1 Hz and Offline DQM. The Offline DQM is executed at the end of the run after prompt reconstruction. In online DQM a set of backup triggers is utilized to evaluate efficiencies and quality tests. For offline DQM, the plan is to compare to offline Objects (PFTaus, CaloTaus, Electrons, etc) to get a first look on the efficiency and the fake rate of the triggers

How to run the Online DQM code

CMSSW_2_1_X Setup ▾ Hide ▾

Create a new area:

```
scramv1 p CMSSW CMSSW_2_1_0_pre6
```

```
cd CMSSW_2_1_0_pre6/src
```

Download the code:

```
cvs co -r V03-00-29 DQM/HLTEvF
```

Build it:

```
scramv1 b
```

Copy a config file that runs with the backup table:

```
cp ~bachtis/public/RunHLTDQM.cfg .
```

or get it from here [RunHLTDQM.cfg](#)

Run it:

```
cmsRun RunHLTDQM.cfg
```

The default config file redirects the output to a GUI installed on pcwiscms10.cern.ch To access the output enter in the browser: <http://pcwiscms10:8030/dqm/online> For access outside CERN you need the standard tunnelling.

Note: If you plan to use the GUI to run and monitor long jobs it is better to change the DQMFold name. The reason for this is that if a lot of jobs send histograms with the same name to the same folder the GUI might crash. To avoid this edit the config file `DQM/HLTEvF/data/HLTMonTau.cfi` and replace

```
DQMFold     =     "HLT/HLTTAU" with
```

```
DQMFolder = "HLTYourname/HLTTAU"
```

Remember to do it for all Tau paths in the file ..

How to run the Offline DQM code

CMSSW_2_1_X Setup Hide

Create a new area:

```
scramv1 p CMSSW CMSSW_2_1_0_pre6
cd CMSSW_2_1_0_pre6/src
```

Download the code:

```
cvs co -r V03-02-02 DQMOffline/Trigger
```

Build it:

```
scramv1 b
```

Run on QQH:

```
cd DQMOffline/Trigger/test
cmsRun HLTTauOfflineDQMTest_cfg.py
```

regarding the GUI And monitoring of the plots while it runs ,

same things apply as the Online DQM

MC Samples for DQM tests

CMSSW_2_1_X Samples Hide

/RelValZEE/CMSSW_2_1_0_pre6-RelVal-1213921089-STARTUP_V1-2nd/GEN-SIM-DIGI-RAW-HLTDEBUG-RE

/RelValZTT/CMSSW_2_1_0_pre6-RelVal-1213921089-STARTUP_V1-2nd/GEN-SIM-DIGI-RAW-HLTDEBUG-RE

/RelValQCD_Pt_50_80/CMSSW_2_1_0_pre6-RelVal-1214239099-STARTUP_V1-2nd/GEN-SIM-DIGI-RAW-HLT

/RelValQCD_Pt_80_120/CMSSW_2_1_0_pre6-RelVal-1213987236-IDEAL_V2-2nd/GEN-SIM-DIGI-RAW-HLTDE

L1 CRUZET data Analysis

How to run the code

Samples to be used

Latest results

Title SandBox

Area in free format for items that the groups wish to add: meetings, to do lists, links etc

Review status

Reviewer/Editor and Date (copy from screen)	Comments
KatiLassilaPerini - 23 Jan 2007	created template page

Responsible: ResponsibleIndividual

Last reviewed by: Most recent reviewer

This topic: CMSPublic > SWGuideTauDQM

Topic revision: r7 - 2011-02-07 - MatthiasEdelhoff



Copyright &© 2008-2019 by the contributing authors. All material on this collaboration platform is the property of the contributing authors.

Ideas, requests, problems regarding TWiki? Send feedback