

Table of Contents

Using L1 Calorimeter Trigger Emulation.....	1
Goal of this page.....	1
Using L1Calo.....	1
Review Status.....	1

Using L1 Calorimeter Trigger Emulation

Complete: 

Goal of this page

This page contains instructions on using L1 calorimeter trigger emulation. Lists of tags can now be found at SWGuideL1TriggerTags.

Using L1Calo

An example config file, which also runs the GCTMonitor DQM package, can be found at L1Trigger/CMS.GlobalCaloTrigger/test/l1CaloExample.cfg. The DQM output of the job will be found in gctMonitor.root, and the L1 digis in l1CaloExample.root

If you want to include L1 calo digis in your job, add the following to your config file :

```
include "L1Trigger/CMS.GlobalCaloTrigger/data/L1CaloEmuDigis.cff"
```

If you also want to convert these to physically meaningful objects (L1Extra), include the following :

```
include "L1Trigger/CMS.GlobalCaloTrigger/data/L1ExtraCaloParticles.cff"
```

The following config file snippet will drop all digis apart from L1 Calo digis :

```
module outputEvents = PoolOutputModule
{
  untracked vstring outputCommands =
  {
    "drop *",
    "keep *_L1GctEmuDigis_*_*",
    "keep *_L1RCTRegionSumsEmCands_*_*",
    "keep *_L1ExtraCaloParticles_*_*",
    "keep *_hcalTriggerPrimitiveDigis_*_*",
    "keep *_ecalTriggerPrimitiveDigis_*_*"
  }
  untracked string fileName = "L1CaloDigis.root"
}
```

Review Status

Editor/Reviewer and date	Comments
JimBrooke - 05 Feb 2007	content updates
JimBrooke - 20 March 2007	General content updates
JennyWilliams - 21 March 2007	Edited to swguide layout

Responsible: JimBrooke

Last reviewed by: Reviewer

This topic: CMSPublic > SWGuideL1CaloTrigger

Topic revision: r53 - 2007-04-26 - PamelaReneeKlabbers



Copyright &© 2008-2020 by the contributing authors. All material on this collaboration platform is the property of the contributing authors.
Ideas, requests, problems regarding TWiki? Send feedback