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Andrew's Trig Photon Work Log

This is where I scratch down things that I'm doing related to trigger egamma.

Getting and Reading Cosmic Data

- get the data using dq2, you can see the list of datasets/files at
/castor/cern.ch/grid/atlas/DAQ/2008//physics_L1Calo/
- see the CosmicCommissioningReconstructionStatus twiki for info on setting up

How-To Add a New Chain

- TriggerMenuPython/python/Photon.py add new chain to following lists:
 - ◆ l2photonFex defines the L2 FEX used for the chain
 - ◆ l2photonHypo defines the L2 HYPO used for the chain
 - ◆ efphotonHypo defines the EF HYPO use for the chain
 - ◆ l2_chains defines the L2 chain name and the L1 chain that feeds it
 - ◇ chain counter must be unique, ask trigger miester for possible values
 - ◇ set prescale=1 and passthrough=0, actual values set elsewhere
 - ◆ ef_chains defines the EF chain name and the L2 chain that feeds it
 - ◇ chain counter and pass through same as in l2_chains
 - ◆ l1_te, l2_te, final_te associates chain name with L1, L2, and EF trigger elements
- TriggerMenuPython/python/EgammaSliceFlags.py add item to all lists
- TriggerMenuPython/python/Startup.py add item to HLTPrescales

How-To Add a New Hypo Configuration

- check out Trigger/TrigHypothesis/TrigEgammaHypo
- in TrigL2PhotonHypoConfig.py make a new class for you new Hypo
- in TrigL2PhotonFexConfig.py make a new class for the corresponding fex
- put your new hypo in a chain as described above

-- AndrewHamilton - 15 Aug 2008

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