-- ZeynepUnalan - 15 Dec 2008 -- ZeynepUnalan - 12 Dec 2008

1. Pick your menu from the official TriggerTables page
2. Re-run L1 and include the prescales from your menu.
   - ♦ To rerun L1, you can use the sample config files, given in the links below. These files were produced following the instructions at ReRunningL1. These files not only rerun GT emulator, but also skim L1 by picking the L1 seeds that are used by a specific menu. In 2_2_X file, for example, the L1 seeds used in L1Menu_2008MC_2E30 menu were picked. If you are using another menu, you should make sure L1SeedsLogicalExpression in your config file includes all the L1 triggers used in your menu. Also note that "gtDigis" need to be renamed, in these files to "newGtDigis":
     - ◊ L1Skim config file for 2_0_X ☒
     - ◊ L1Skim config file for 2_1_X ☒
     - ◊ L1Skim config file for 2_2_X ☒
   - ♦ Before rerunning and skimming L1, you want the right L1 prescales from your menu. The instructions on how to change L1 prescales can be found here. You basically need to addpkg L1TriggerConfig and modify the prescale number for each bit given in file L1TriggerConfig/L1GtConfigProducers/python/Luminosity/lumi1030/yourmenu_PrescaleFactorsAlgo file. To see the L1-bit to L1-Triggername correspondance goto page.GlobalTriggerAvailableMenus and search for your menu.
     - ◊ Here is a yourmenu_PrescaleFactorsAlgoTrig_cff.py file modified to match the prescales in Trigger table 17-Oct-2008: v0.1
     - ◊ Here is a yourmenu_PrescaleFactorsAlgoTrig_cff.py file modified to match the prescales in Trigger table 17-Oct-2008: v0.1
3. Grab your HLT configuration from the ConfDB
4. Modificaitons to the default HLT config file (HLT_2E30_cfff.py) is also needed since we modifed the Gt digis name while rerunning L1. Now we should point HLTLevel1GTSeed modules to pick up the "newGTDigis".

- Add PrescaleService to adjust the HLT prescales to match the menu you want.
- Add in the myl1SeedBegin module
- Adjust the HLT prescales to match the menu you want
- Add in the timing stuff

This topic: Sandbox > HLTTriggerRatesAndTiming
Topic revision: r1 - 2008-12-15 - ZeynepUnalan