

Priority Triggers for Early Data

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- The HLT has been running online in transparent mode for the last week
- Current plan is to take collision data with ATLAS in super-stable mode
- HLT will, in principle, be initialized for the 900GeV/2.36TeV collisions but run only after some experience is gained
- Code has been thoroughly tested by now, but it makes sense to have a backup plan in case of unexpected problems
- Need a list of high-priority chains that we should try to run even if others must be turned off

NOTE:

- This is only a backup plan!
 - The main strategy is to activate whole menu
- It's intended only for transparent mode period
 - Will not change event acceptance or streaming
 - These events will still be reprocessed in the CAF with HLT as needed
- Priority is to keep chains that allow commissioning of HLT reconstruction algorithms (muon, ID, calorimeter)
- The last word is always from the trigger operations group – any problematic chains will be turned off
- We're asking you to sign off on the high-priority chain list in the next slides or to comment now

Minimum bias

- mbMbts_1
- mbMbts_1_BX0
- mbMbts_1_BX1
- mbMbts_1_NoCut_Time
- mbMbts_1_NoCut_Time_BX
- mbMbts_1_NoCut_Time_BX1
- mbMbts_2
- mbMbts_2_BX0
- mbMbts_2_BX1
- mbMbts_2_NoCut_Time
- mbMbts_2_NoCut_Time_BX0
- mbMbts_2_NoCut_Time_BX1
- mbMbts_1_1
- mbMbts_1_1_BX0
- mbMbts_1_1_BX1
- mbMbts_1_1_NoCut_Time
- mbMbts_1_1_NoCut_Time_BX0
- mbMbts_1_1_NoCut_Time_BX1
- mbTrtTrk_BX0
- mbTrtTrk_BX1
- mbSpTrk_BX0
- mbSpTrk_BX1
- mb_BX0_calib
- mb_BX1_calib
- mb_MS_calib

Jet

- L1_J5 -> L2_j7 ->
EF_j10v3_larcalib
- L1_J5 -> L2_j7 -> EF_j10v3
- L1_J10 -> L2_j15 ->
EF_j20v2

MET

- xe30_allL1
- xe30_allL1_allCells
- xe30_allL1_FEB

e/gamma

- e5_NoCut_SiTrk
- e5_NoCut_IdScan
- e5_NoCut_TRT
- g5_NoCut
- e5_medium
- e10_loose

Muon

- mu4
- mu4_MSONly
- mu4_L2MSONly_passL2
- mu4_MG
- mu4_passL2MS
- mu10i_loose_MSONly_SiTrk
- mu6_MSONly
- mu10_MSONly
- mu20_MSONly

Tau

- tauNoCut_SiTrk
- tauNoCut_cells
- trk2IdScan_IDCalib and trk2SiTrack_IDCalib when Partial Event Building is working

B physics

- MU4_Trk_Jpsi_FS - only runs L2

HLT Calo

- e5_NoCut_cells

Beam spot

- vtxbeamspot_FSTracks
- vtxbeamspot_activeTE_peb
when Partial Event Building
activated

Inner Detector

- e20_loose_NoTrkCut
- tauNoCut_NoTrkCut
- Mu10_noIDTrkCut (used to
be mu10_IDmoni)