

Tracking validation of April 10th

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task1

Ref1: s2579_r6164 (19.2.1.6, 20.1.3.2) - 20.1.3.2 with 02-01-00 geometry

Test1: s2579_r6534 (19.2.3.3, 20.1.4.3) - 20.1.4.3 with 02-01-00 geometry and trigger split + reduced digitization time window

Test2: s2578_r6531 (19.2.3.3, 20.1.4.3) - as test 1 but 03-01-00 geometry

Test3: s2578_r6540 (19.2.3.3, 20.1.4.3) - as test 2 but with pileup settings use for calo reconstruction

- Ref1

valid1:valid1.110401.PowhegPythia_P2012_ttbar_nonallhad.recon.ESD.e3099_s2579_r6162/

- Test1

valid3:valid3.110401.PowhegPythia_P2012_ttbar_nonallhad.recon.ESD.e3099_s2579_r6534/

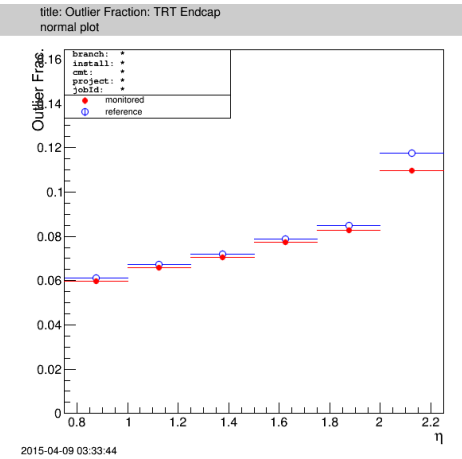
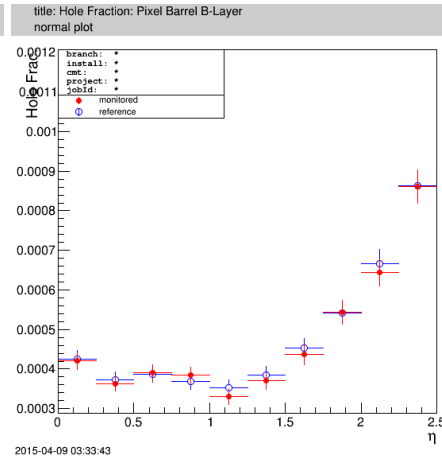
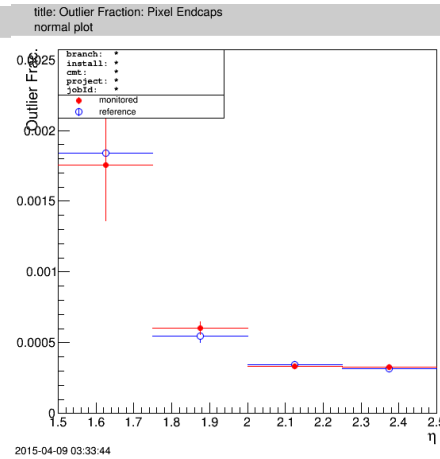
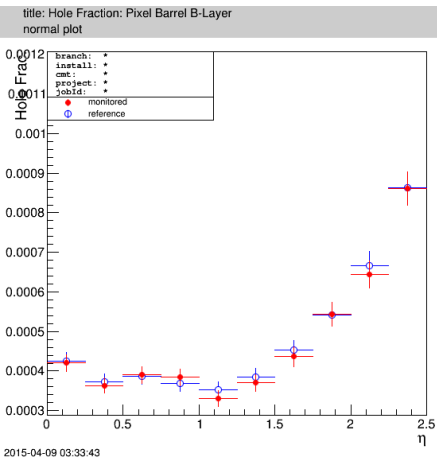
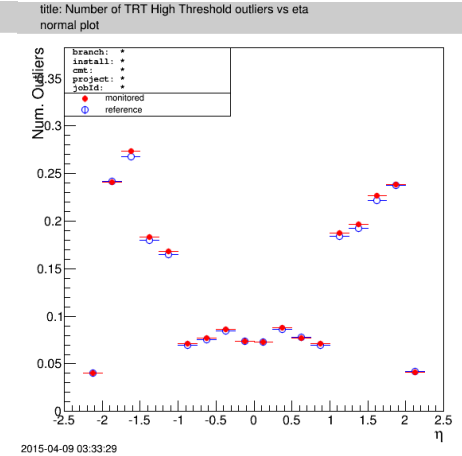
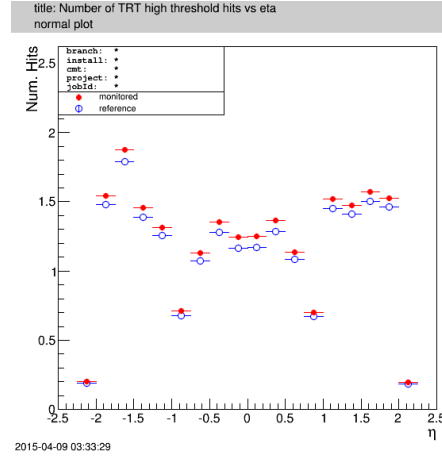
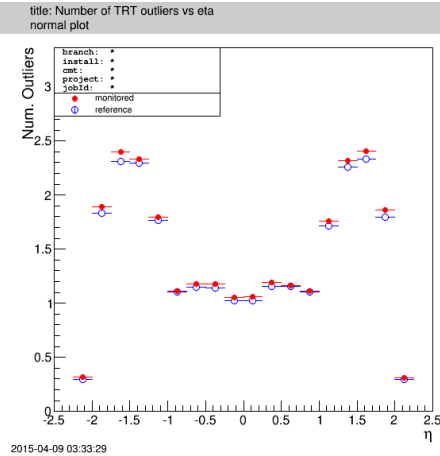
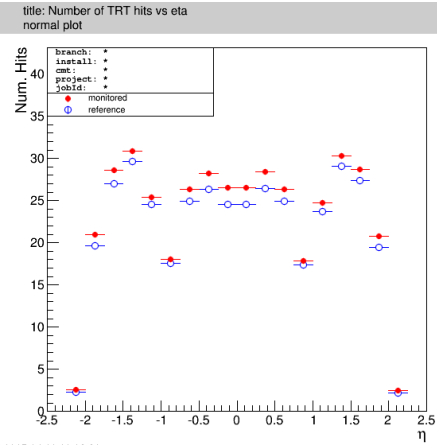
- Test2

valid3:valid3.110401.PowhegPythia_P2012_ttbar_nonallhad.recon.ESD.e3099_s2578_r6531/

- Test3

valid3:valid3.110401.PowhegPythia_P2012_ttbar_nonallhad.recon.ESD.e3099_s2578_r6540/

Task1-ref1-test1



task1-ref1-test2&test3

- Their different plots are similar to the task1-ref1-test1(the 57th plot,58-60,167,174,179,180)
- http://atlas-computing.web.cern.ch/atlas-computing/links/PhysValDir/disk2/Tracking/041015_liq/

task2

Ref 1: s2578_r6540 (19.2.3.3, 20.1.4.3) - No pileup test 3 from task 1

Test1: s2578_r6538 (19.2.3.3, 20.1.4.3) - 50 ns pileup

Test2: s2578_r6542 (19.2.3.3, 20.1.4.3) - as test 1 but with digi time window set via --pileupFinalBunch = 6

Test3: s2578_r6543 (19.2.3.3, 20.1.4.3) - as test 1 but with latest LCW calibration (SRD-26)

- Ref1

valid3:valid3.110401.PowhegPythia_P2012_ttbar_nonallhad.recon.ESD.e3099_s2578_r6540/

- Test1

valid2:valid2.110401.PowhegPythia_P2012_ttbar_nonallhad.recon.ESD.e3099_s2578_r6538_tid05237802_00

- Test2

valid2:valid2.110401.PowhegPythia_P2012_ttbar_nonallhad.recon.ESD.e3099_s2578_r6542/

- Test3

valid2:valid2.110401.PowhegPythia_P2012_ttbar_nonallhad.recon.ESD.e3099_s2578_r6543_tid05238418_00_sub0217341553

valid2:valid2.110401.PowhegPythia_P2012_ttbar_nonallhad.recon.ESD.e3099_s2578_r6543_tid05238418_00_sub0217343238

valid2:valid2.110401.PowhegPythia_P2012_ttbar_nonallhad.recon.ESD.e3099_s2578_r6543_tid05238418_00_sub0217345438(they can be found, but it will break while running by using them as input)

valid2:valid2.110401.PowhegPythia_P2012_ttbar_nonallhad.recon.ESD.e3099_s2578_r6543_tid05238418_00

- **Too many plots with obvious difference between ref and test**
- http://atlas-computing.web.cern.ch/atlas-computing/links/PhysValDir/disk2/Tracking/041015_liq/

task3

Ref1: s2578_r6540 (19.2.3.3, 20.1.4.3) - No pileup test 3 from task 1

Ref2: s2578_r6538 (19.2.3.3, 20.1.4.3) - 50 ns pileup test 1 from task 2

Test1: s2578_r6532 (19.2.3.3, 20.1.4.3) - 25 ns pileup

- Ref1

valid3:valid3.110401.PowhegPythia_P2012_ttbar_nonallhad.recon.ESD.e3099_s2578_r6540/

- Ref2

valid2:valid2.110401.PowhegPythia_P2012_ttbar_nonallhad.recon.ESD.e3099_s2578_r6538_tid05237802_00

- Test1

Valid2:valid2.110401.PowhegPythia_P2012_ttbar_nonallhad.recon.ESD.e3099_s2578_r6532/

- **Too many plots with obvious difference between ref and test.**
- http://atlas-computing.web.cern.ch/atlas-computing/links/PhysValDir/disk2/Tracking/041015_liq/