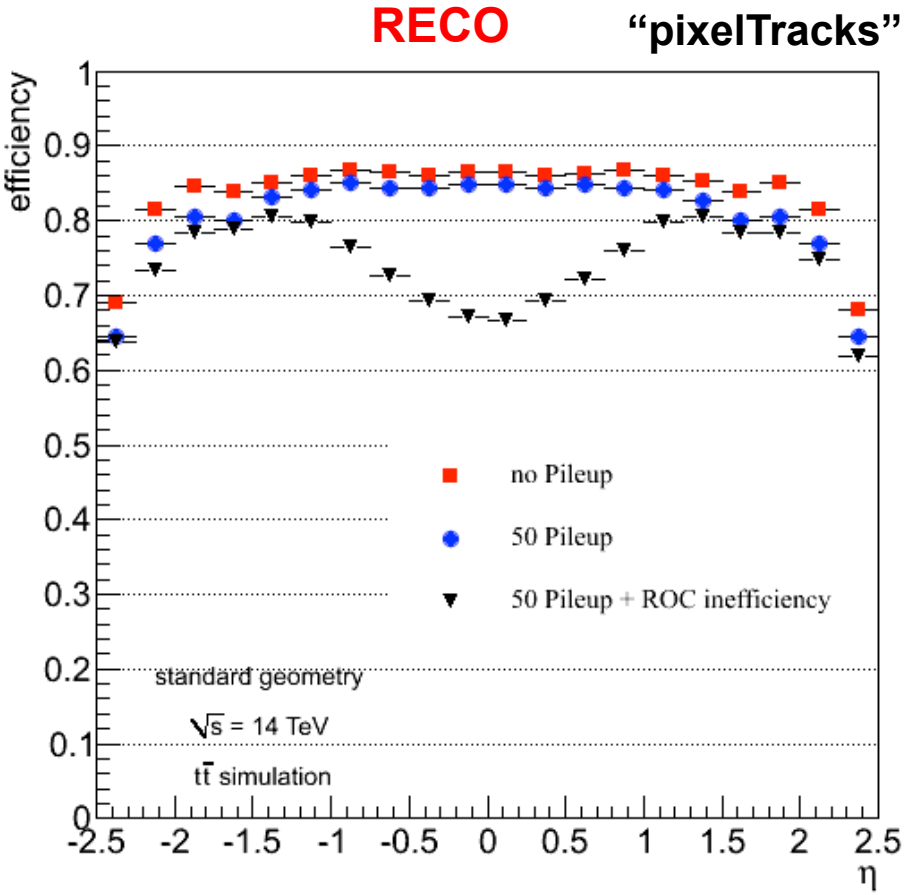
Datasets

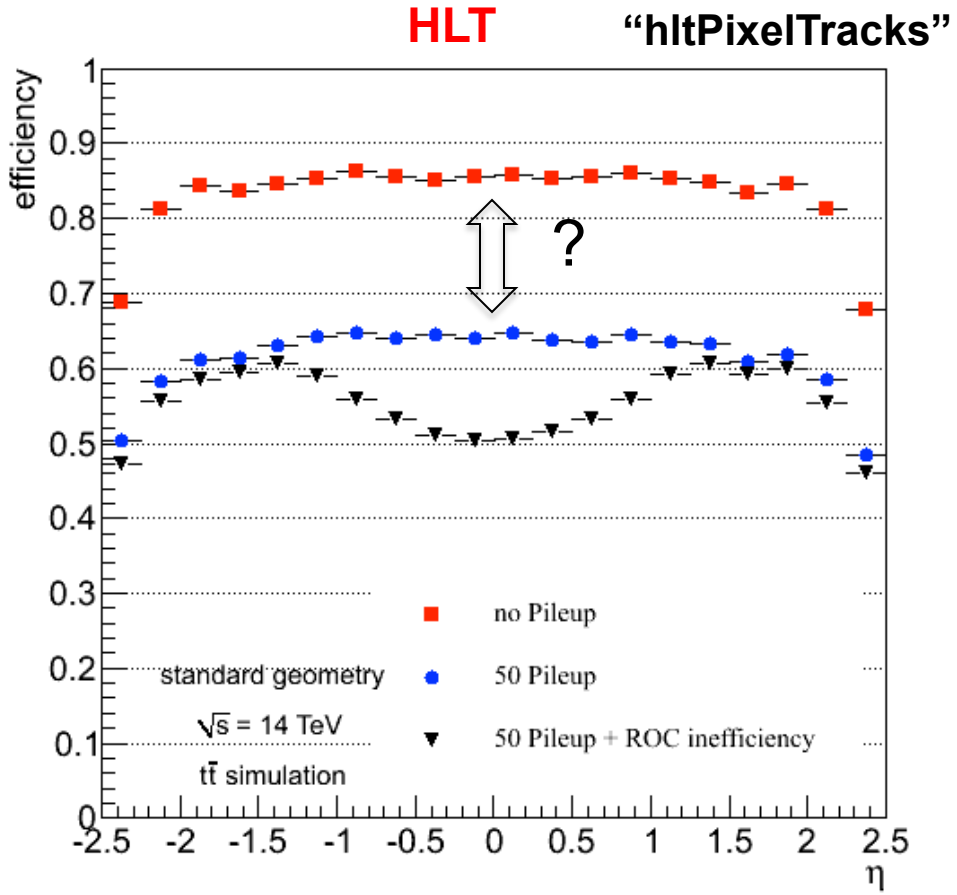
- CMSSW version:
- CMSSW_4_2_8_SLHCstd2 (Standard)
- CMSSW_4_2_8_SLHCtk3 (Phase1)

- Standard geometry:
- ttbar:
- /RelValTTbar_Tauola/CMSSW_4_2_3_patch3-DESIGN42_V11_110612_special-v1/GEN-SIM
- Muon:
- /RelValFourMuPt_1_200/CMSSW_4_2_3_patch3-DESIGN42_V11_110612_special-v1/GEN-SIM

- Phase1 geometry:
- ttbar:
- /TTbar_Tauola_14TeV/Summer12-DESIGN42_V17_SLHCTk-v1/GEN-SIM

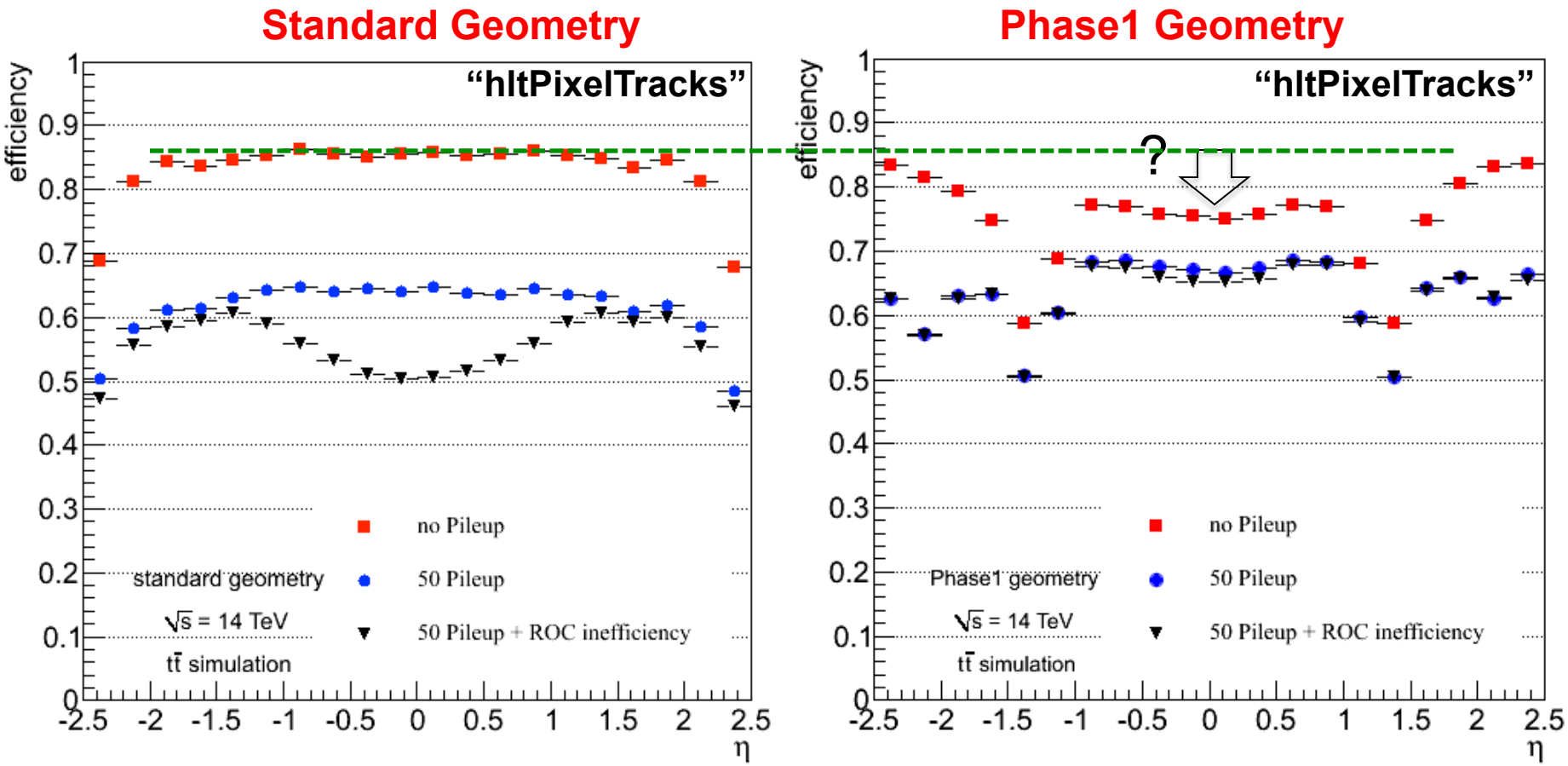
Efficiency in Std Geometry (ttbar) (RECO vs. HLT)





- Difference in efficiency for 50 PU case between RECO and HLT not yet understood

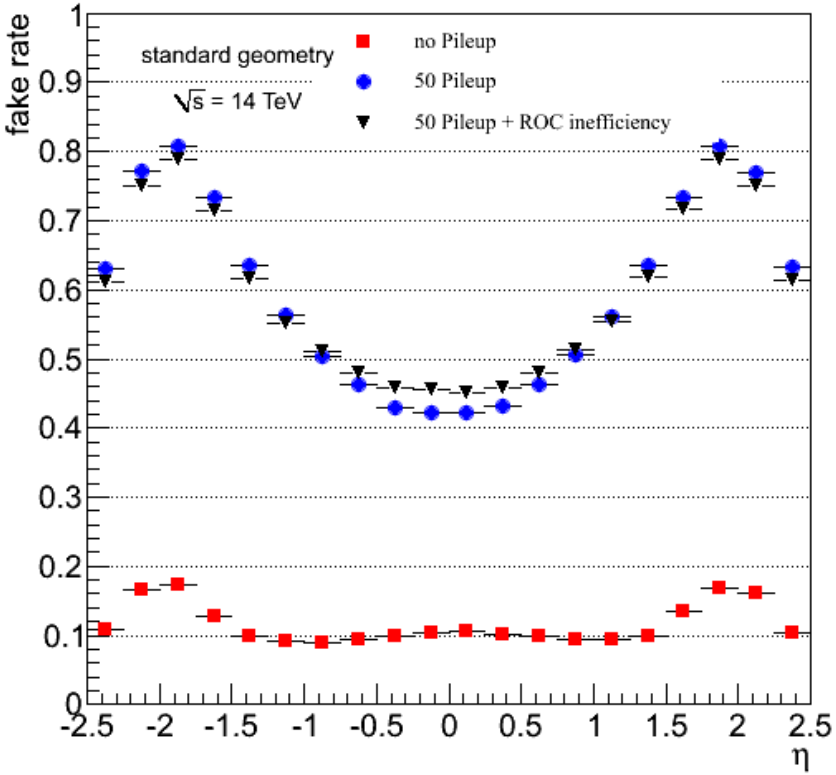
Efficiency in Std Geometry vs. Phase1 (ttbar) (HLT)



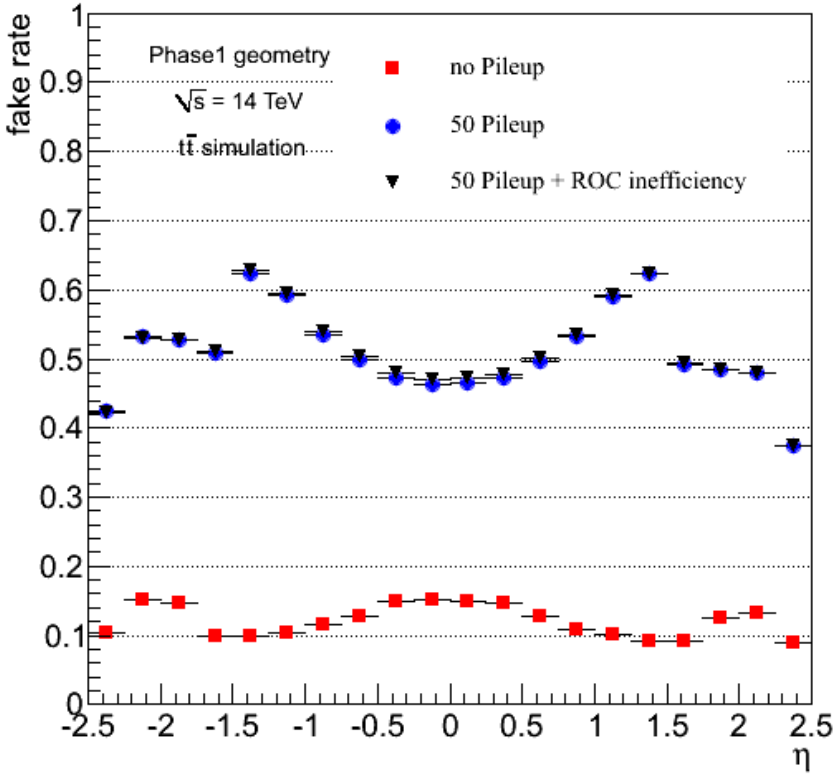
- No PU: Efficiency for Std Geo is 85% and Phase1 is < 80% !!!!
- With 50 PU: Efficiency for Std Geo is 65% and Phase1 is ~ 70% (for central)
- With 50 PU + 20% ROC inefficiency: for Std Geo – efficiency visibly lower but in Phase1 – not much different than 50 PU

Fake rates in Std vs. Phase1 (ttbar) (HLT)

Standard Geometry



Phase1 Geometry



- Fake rates are lower for Phase1 towards the end cap