

phys14

muon efficiencies

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overview

- * alternative framework:

- purpose: cross-check object implementation, e.g. muons
- same philosophy: RECO/AOD(minAOD) > root tree > analysis
- CMSSW_7_2_2

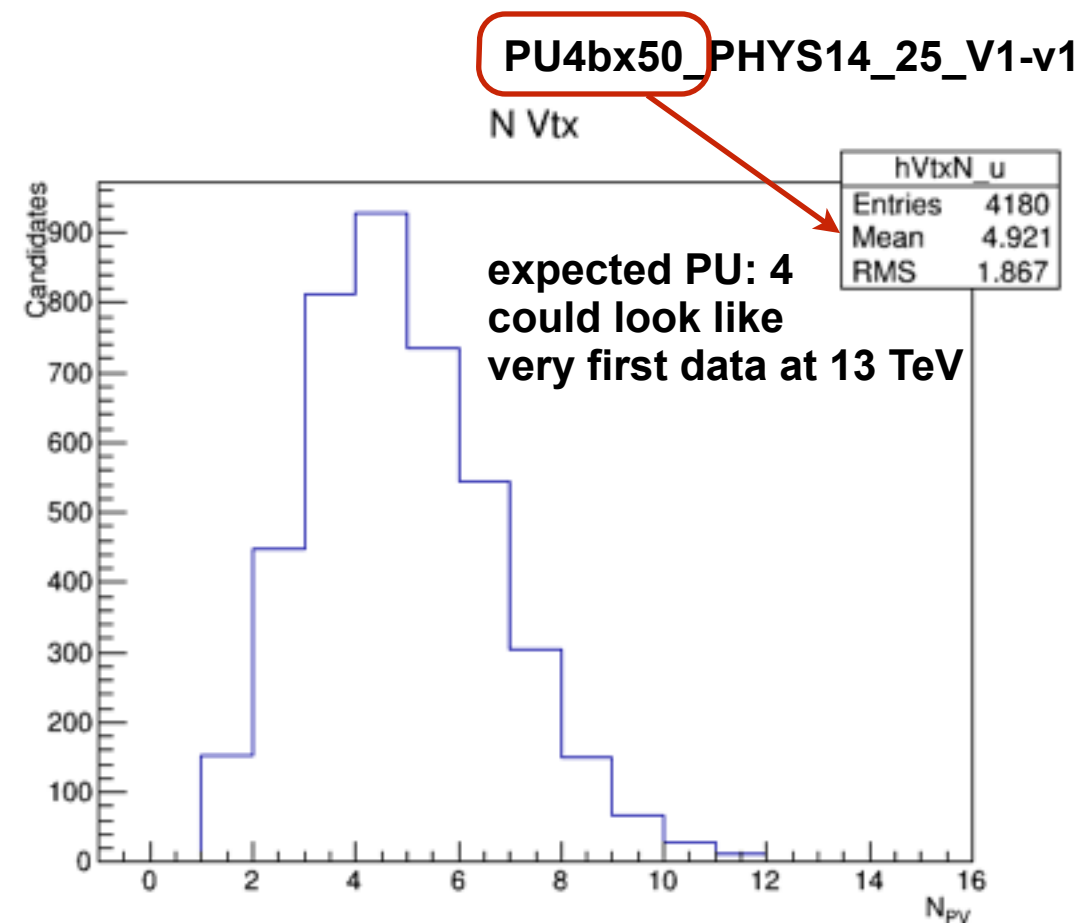
- * first test on: 4182 events from

/store/mc/Phys14DR/DYJetsToLL_M-50_13TeV-madgraph-pythia8/AODSIM/PU4bx50_PHYS14_25_V1-v1/00000/

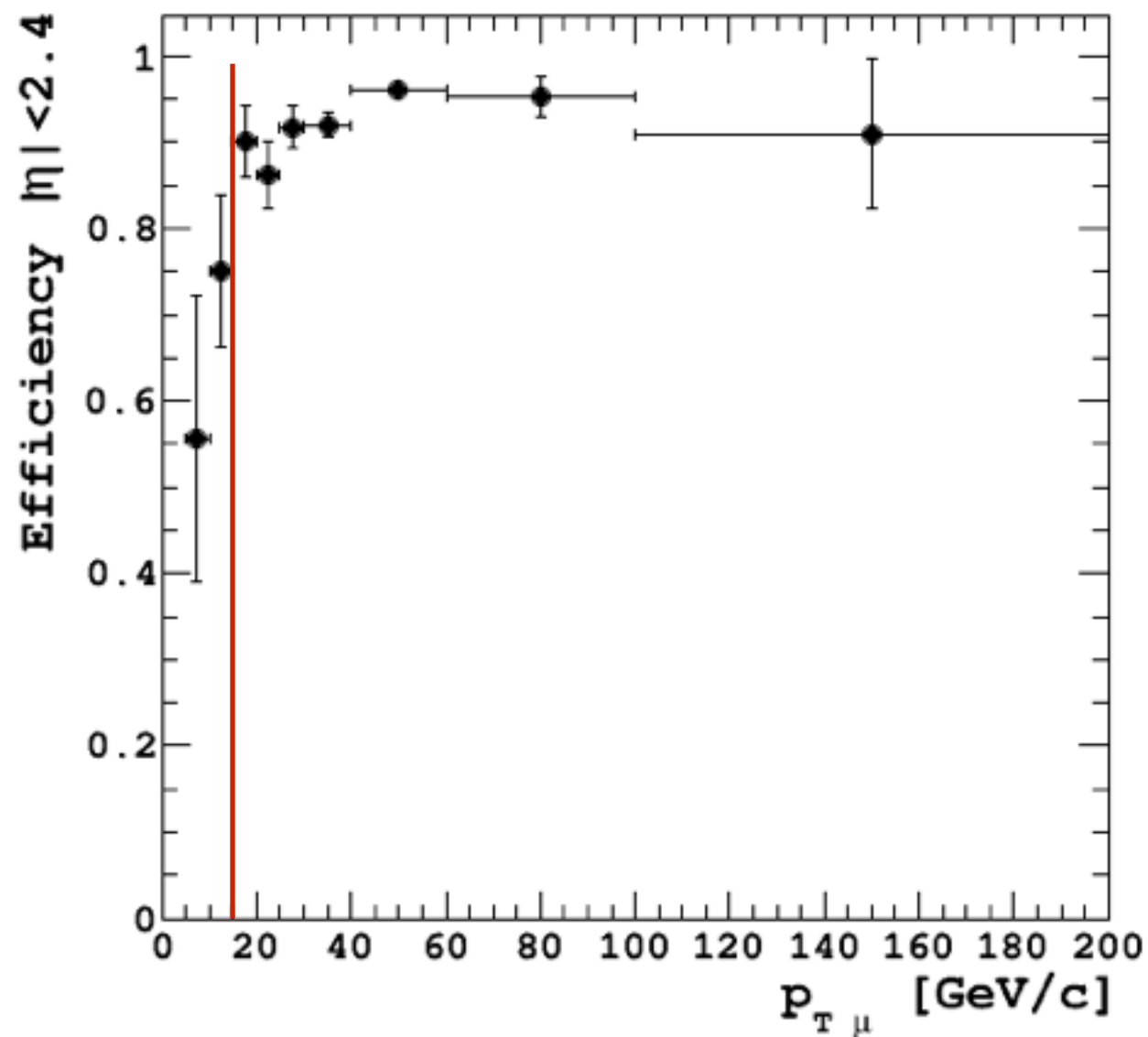
- * muon ID: tight

- * muon isolation:

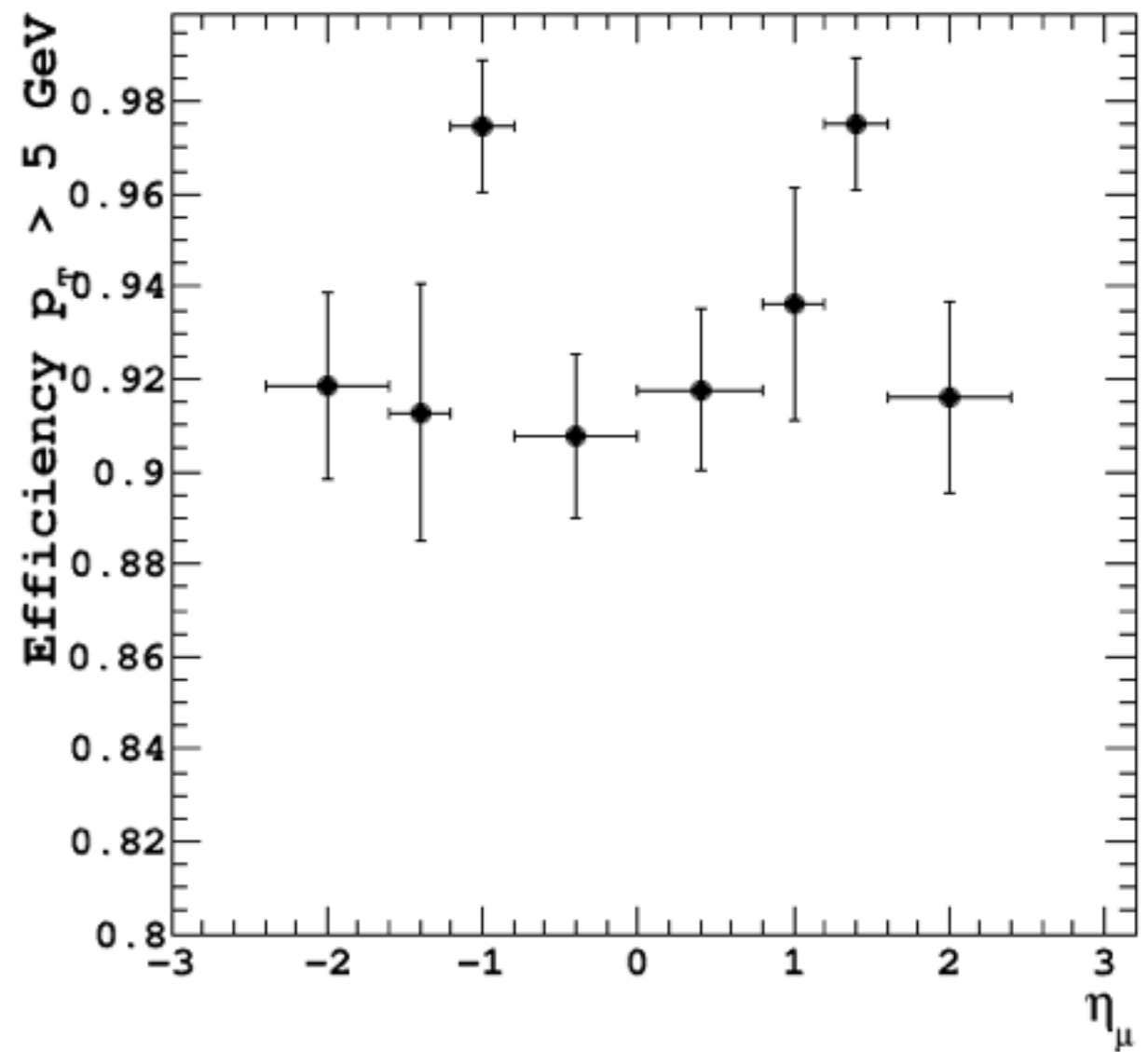
- PU corrected, but suspiciously at 0 (to be checked)
- also to be compared with track isolation



muon efficiencies: RECO/GEN



- * “turn on” point already at 15 GeV
- * check behaviour at high p_T



- * need to understand the transition regions

summary & outlook

- * alternative framework is running
- * electrons and taus are also available, efficiencies to be calculated for next meeting
- * try tag-and-probe method