

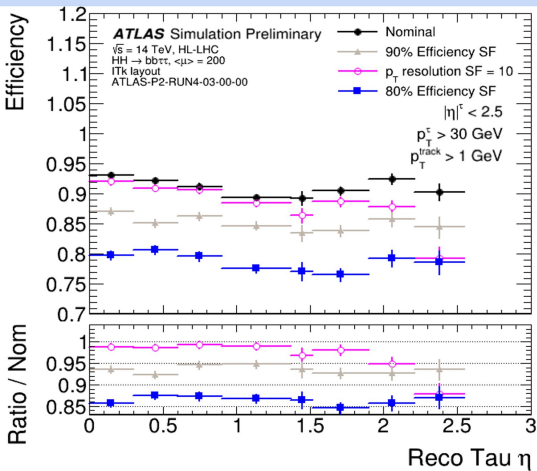
Context: ATLAS is in design stage for future (HL-LHC) Event Filter (EF) system

Study Objective: *Relate performance of EF tracking to performance of object reconstruction and identification algorithms*

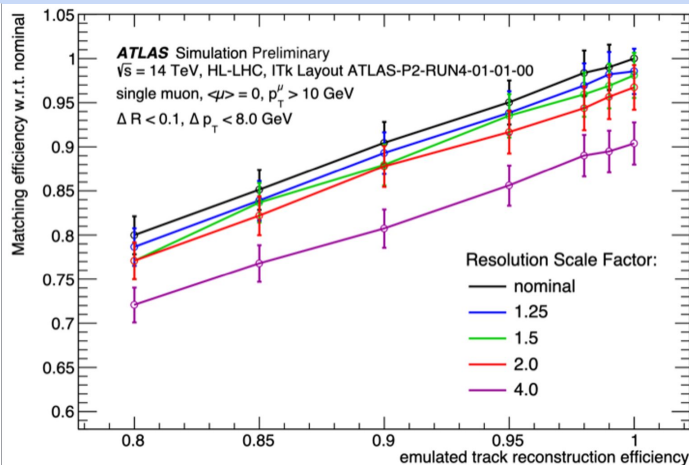
Main Method: Parametrize EF tracking performance as different track reconstruction efficiencies and track parameter resolutions

Results: Multiple studies with emulated EF tracks are presented, serves as basis for future EF Tracking design

Tau track classification



Matching of muon spectrometer track to inner detector track



Mutli-jet vertexing

