Tracking Efficiency for 3 prong τs

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3 prong τ Samples (p09):

single τ , no MB
/prj_root/850/tauid_3/duensing/
track_ineff/three_prong_single_tau_1665ev.file
/prj_root/850/tauid_3/duensing/
track_ineff/three_prong_single_tau_p094_2184ev.file

Different Steps

looked at chunks: 113 : r ϕ CFT

111 : central CFT

101 : central CFT

201 : central CFT combined with SMT

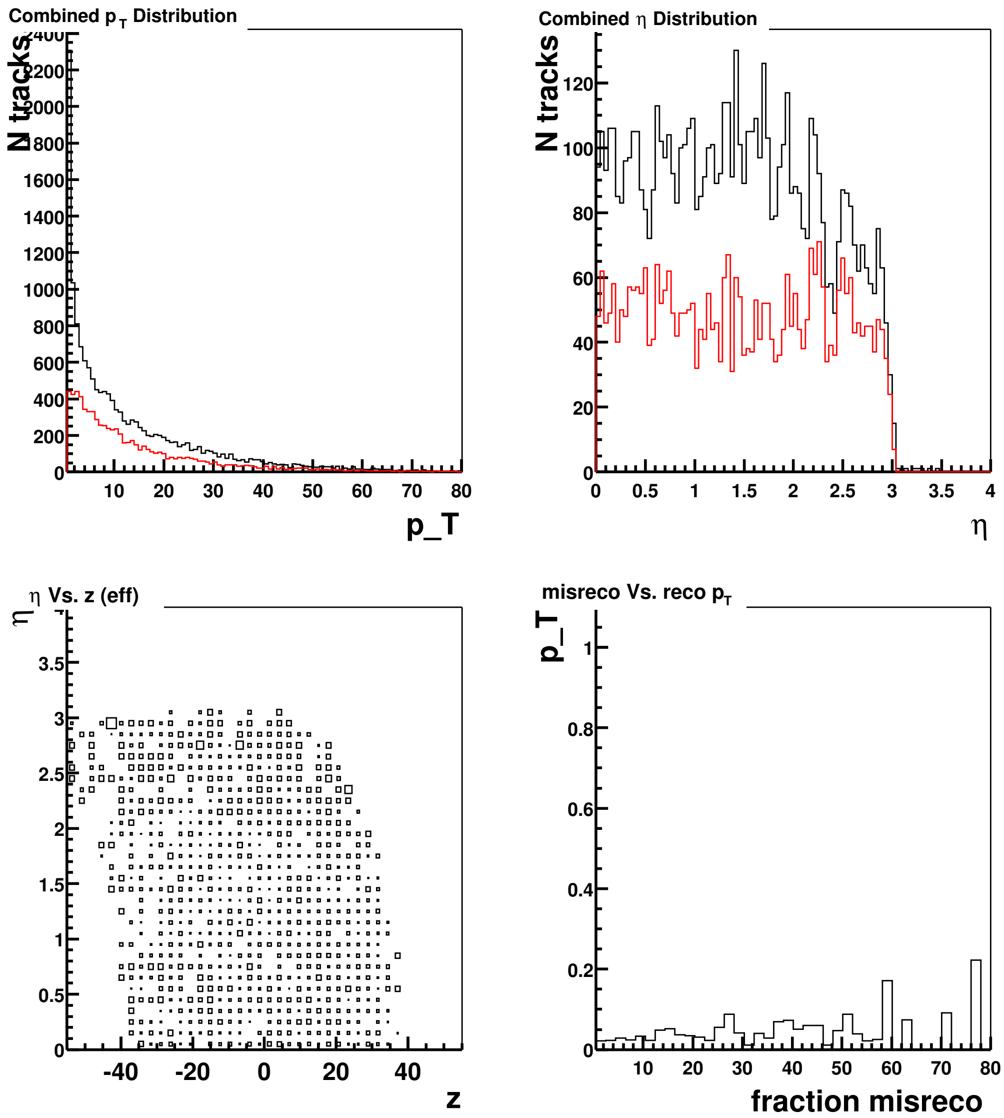
401 : final

about 17k tracks in ntuples

80% of MC track within acceptance

Chunk	401	201	101	111	113
matched	0.50	0.30	0.39	0.34	0.405
mc_only	0.42	0.64	0.577	0.63	0.59
misreco	0.034	0.029	0.29	0.21	0.042
fakes	0.007	0.0006	0.0024	0.0008	0.002

Lost tracks



Combined p_T Distribution
N tracks
p_T
Combined η Distribution
N tracks
η
η Vs. z (eff)
η
z
misreco Vs. reco p_T
p_T
fraction misreco

Efficiency curves