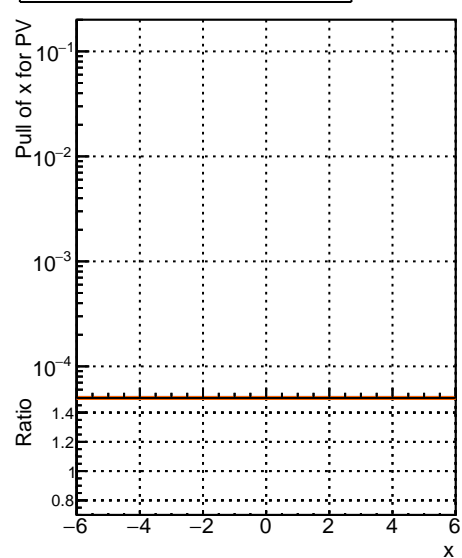
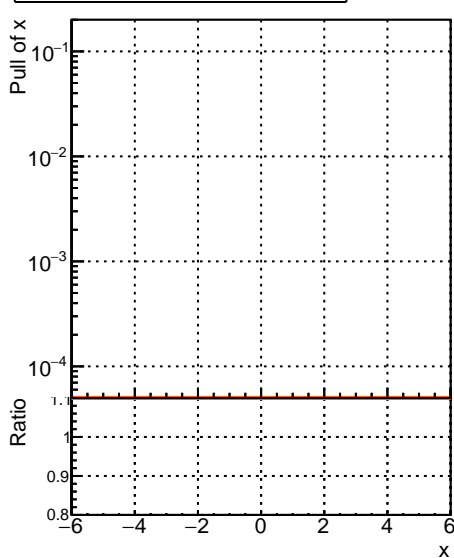


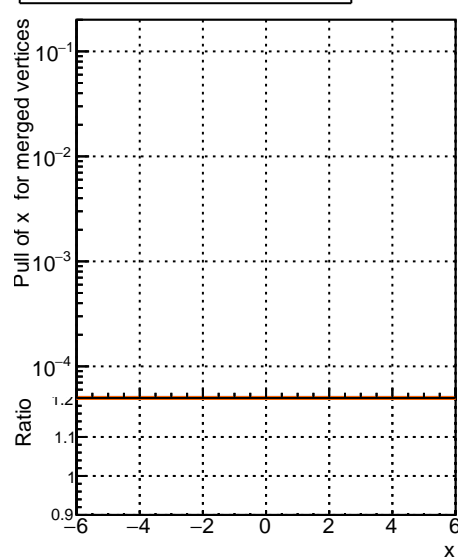
RecoPVAssoc2GenPVMatched\_PullX



RecoAllAssoc2GenMatched\_PullX

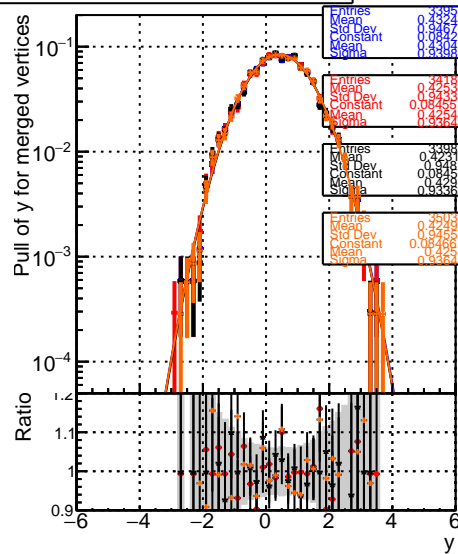
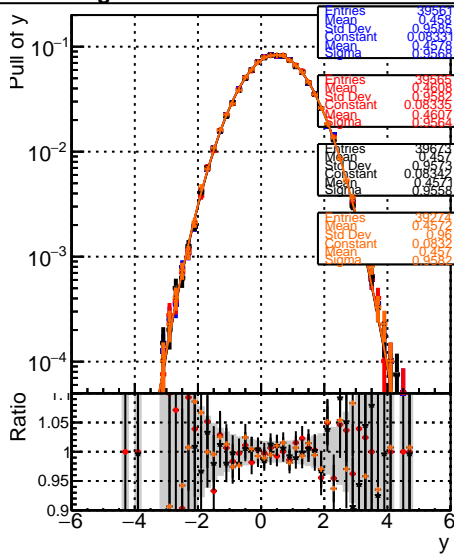
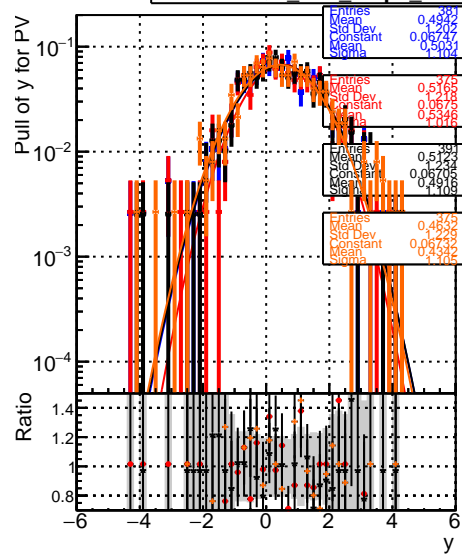


RecoAllAssoc2GenMatchedMerged\_PullX

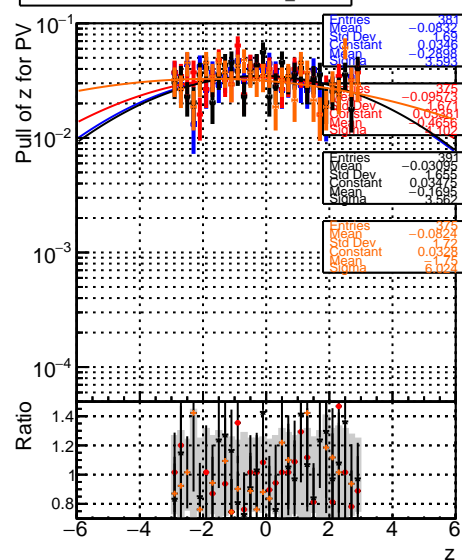


Legend for Pull of y for PV:

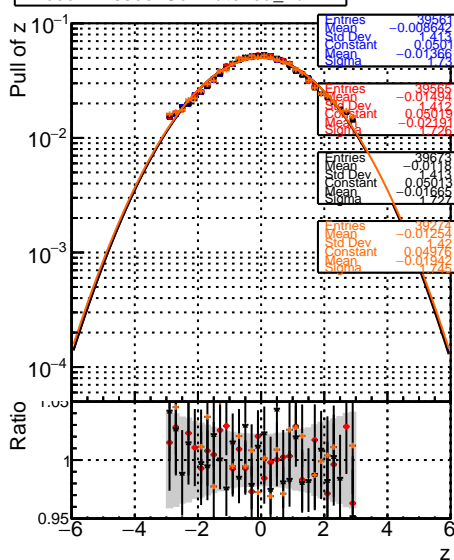
- RecoPVAssoc: original\_step2\_ttbbar-phase1-newgeom (blue line)
- RecoPVAssoc: mkfit\_step2\_ttbbar-phase1-newgeom (red line)
- RecoPVAssoc: angle\_step2\_ttbbar-phase1-newgeom (black line)
- RecoPVAssoc: fast\_step2\_ttbbar-phase1-newgeom (orange line)



RecoPVAssoc2GenPVMatched\_PullZ



RecoAllAssoc2GenMatched\_PullZ



RecoAllAssoc2GenMatchedMerged\_PullZ

