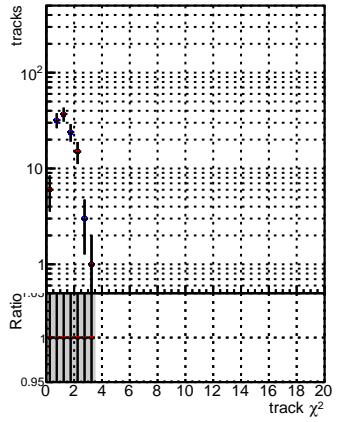
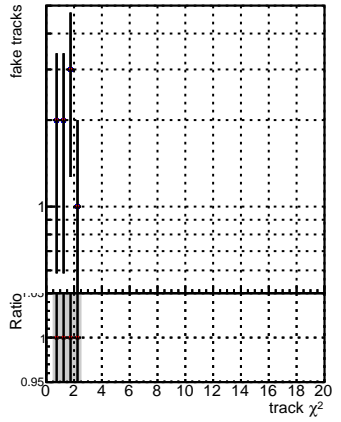
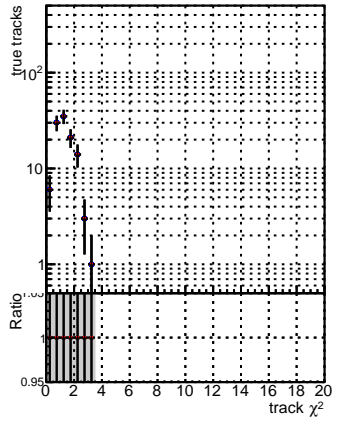


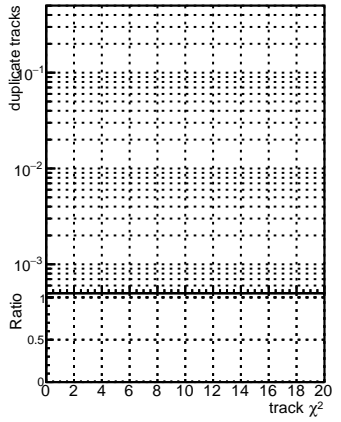
N of reco track vs normalized  $\chi^2$



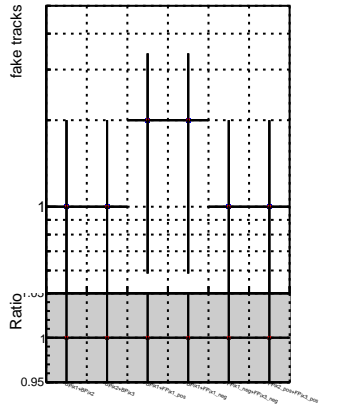
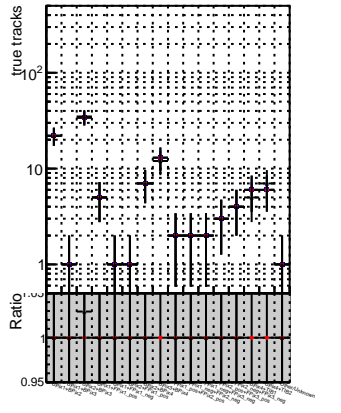
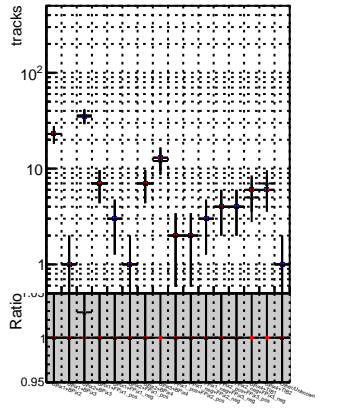
N of associated (recoToSim) tracks vs normalized  $\chi^2$



N of associated (recoToSim) looper tracks vs normalized  $\chi^2$



N of reco track vs.  $\chi^2$



Legend for methods: DGM, ttbar, PU, mkFit, Siter, updated, PR111, update, fix, Propagation