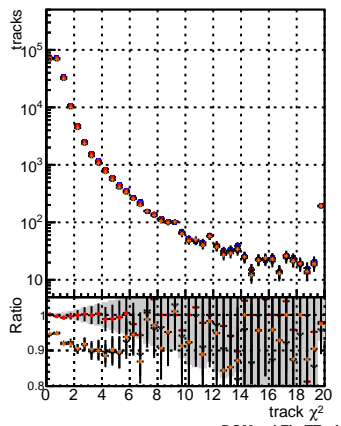
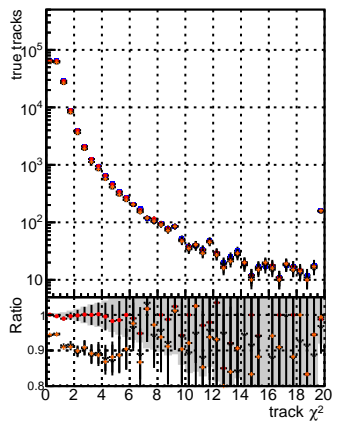


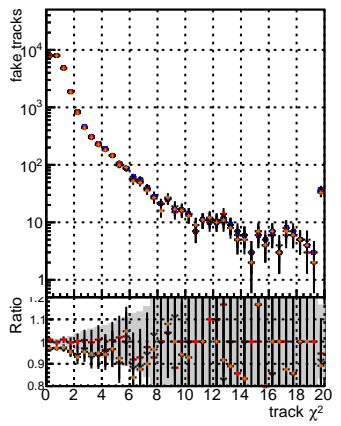
N of reco track vs normalized  $\chi^2$



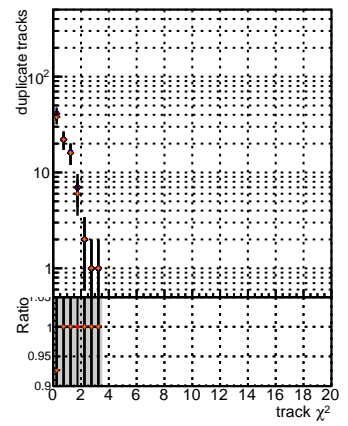
N of associated (recoToSim) tracks vs normalized  $\chi^2$



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



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



N of reco track vs.  $\chi^2$  for various methods: BGM (red circles), mFit (blue squares), Original (black dots), genMatch-CUT2 (orange triangles), and NEWMS (green diamonds). The bottom panel shows the ratio of tracks on a log scale from 0.8 to 1.4 versus track  $\chi^2$  from 0 to 20.

