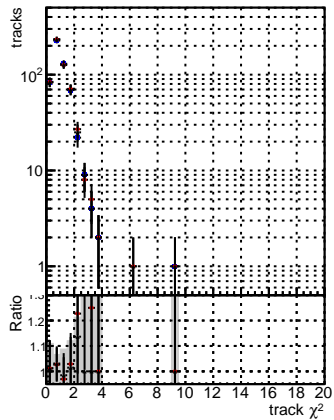
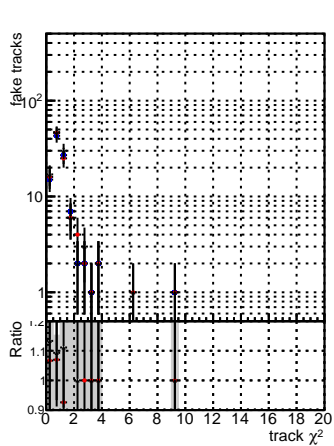
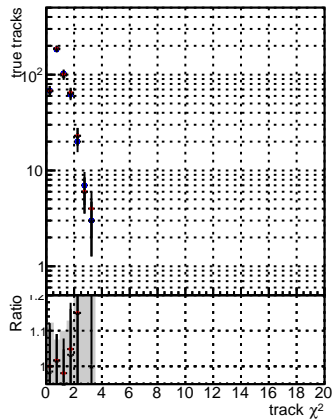


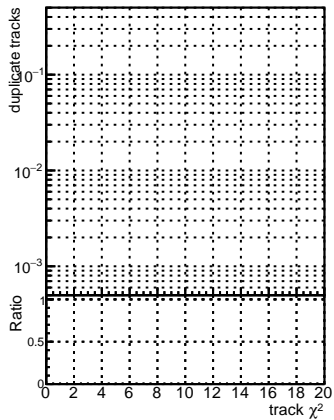
N of reco track vs normalized  $\chi^2$



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



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



N of reco track vs.  $\chi^2$      $\chi^2$  bins: [0, 1], [1, 2], [2, 3], [3, 4], [4, 5], [5, 6], [6, 7], [7, 8], [8, 9], [9, 10], [10, 15], [15, 20]

Legend:

- DCM mKFit  $\chi^2$  bar PU50 extractedGeoms rescaleError100
- DCM mKFit  $\chi^2$  bar PU50 extractedGeoms rescaleError100 pTCutOverlap0p0
- DCM mKFit  $\chi^2$  bar PU50 extractedGeoms rescaleError100 dynamicChi2CutOverlap

