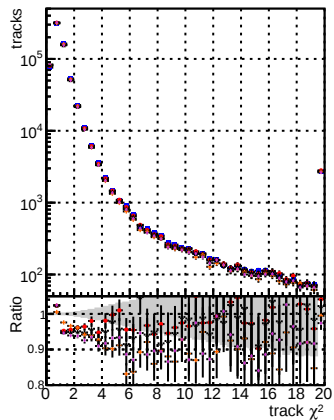
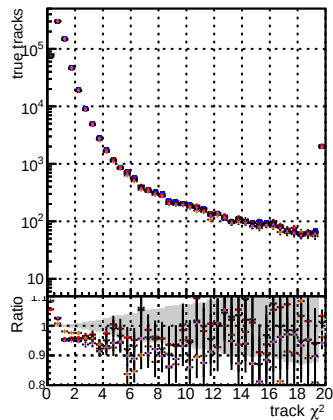


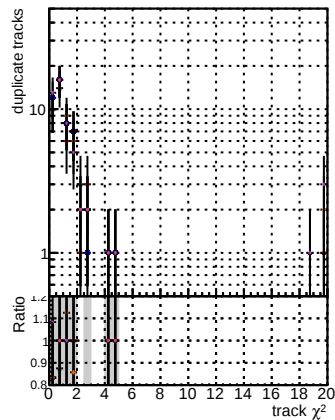
N of reco track vs normalized χ^2



N of associated (recoToSim) tracks vs normalized χ^2



N of associated (recoToSim) looper tracks vs normalized χ^2



N of reco track vs. s

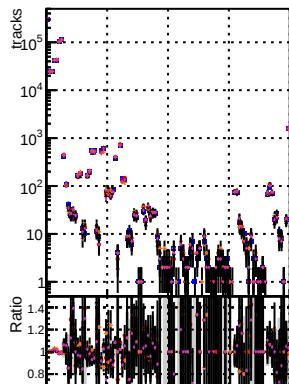


Figure 1 is a scatter plot showing the ratio of fake tracks to real tracks as a function of the number of fake tracks. The y-axis is labeled 'Ratio' and ranges from 0.8 to 1.2. The x-axis is labeled 'fake tracks' and is on a logarithmic scale from 10^0 to 10^4 . Data points are shown for different track types: red circles, blue squares, and black triangles. The ratio generally decreases as the number of fake tracks increases, with a notable dip around 10^2 and 10^3 .