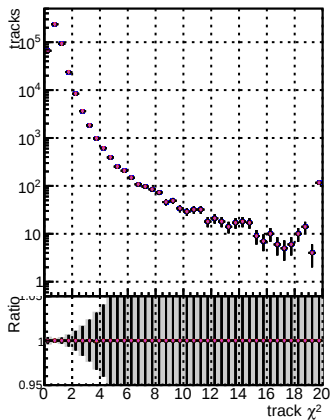
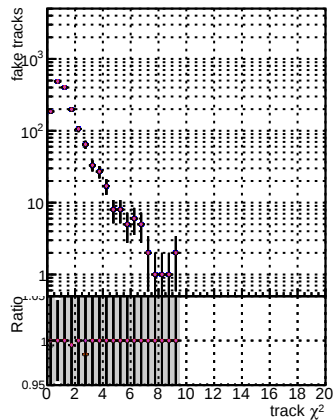
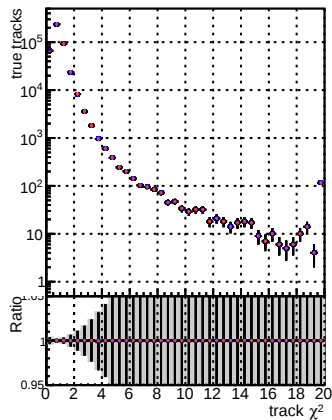


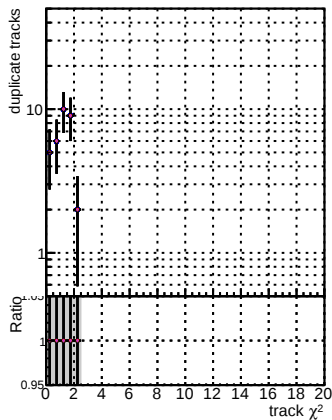
N of reco track vs normalized χ^2



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

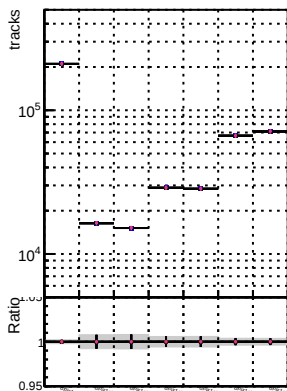


Figure 1 is a log-linear plot showing the ratio of duplicate tracks to total tracks for different numbers of tracks (10, 20, 30, 40, 50). The y-axis is labeled 'Ratio' and ranges from 0.95 to 10 on a logarithmic scale. The x-axis is labeled 'duplicate tracks' and ranges from 10 to 1000 on a logarithmic scale. The plot shows that the ratio decreases as the number of duplicate tracks increases, and the ratio is higher for a larger number of total tracks. A shaded gray region is present at the bottom of the plot, between Ratio 0.95 and 1.0.