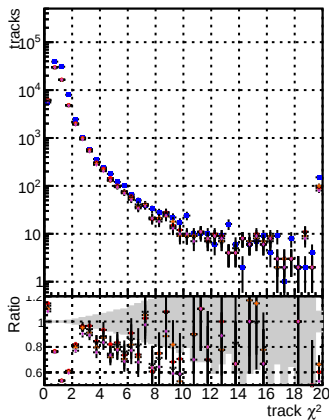
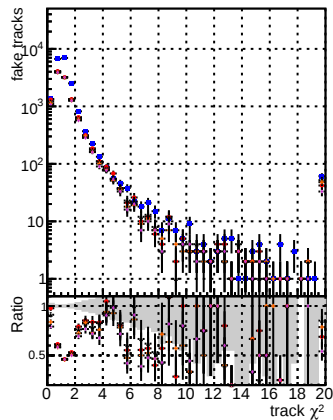
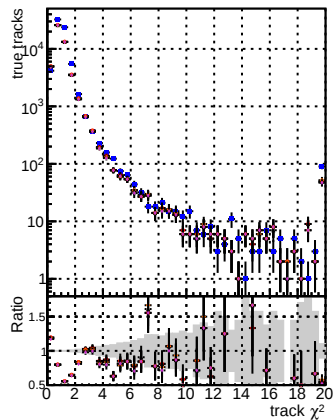


N of reco track vs normalized χ^2



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



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

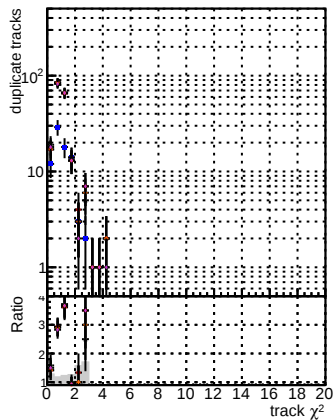


Figure 1 consists of two panels, (a) and (b), showing the ratio of fake tracks to real tracks as a function of the number of tracks. The y-axis is labeled 'Ratio' and ranges from 0.5 to 10^4 on a logarithmic scale. The x-axis is labeled 'fake tracks' and ranges from 10^0 to 10^4 on a logarithmic scale. Panel (a) shows data for tracks with a minimum of 10 hits, and panel (b) shows data for tracks with a minimum of 5 hits. Both panels show data points for different track lengths (10, 20, 30, 40, 50, 60, 70, 80, 90, 100) and a solid line representing the expected ratio. The data points are color-coded: black for 10 hits, red for 20 hits, blue for 30 hits, green for 40 hits, orange for 50 hits, yellow for 60 hits, light green for 70 hits, light blue for 80 hits, dark blue for 90 hits, and dark green for 100 hits. The solid line represents the expected ratio, which is approximately 1.0 for all track lengths.