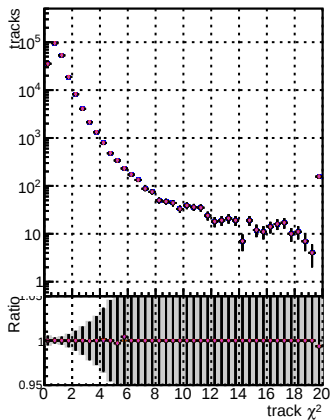


N of reco track vs normalized χ^2



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

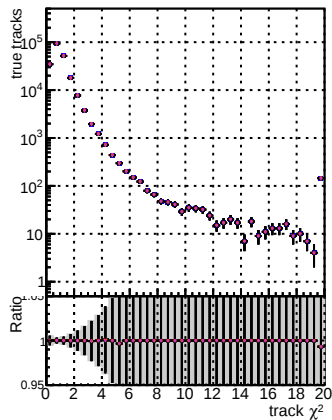
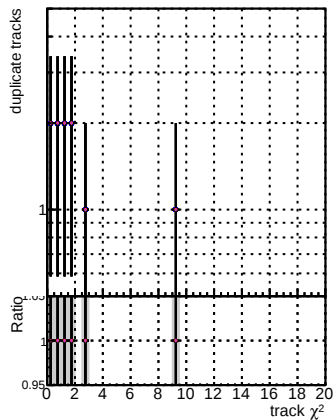


Figure 1 is a log-linear plot showing the ratio of fake tracks to total tracks as a function of track χ^2 . The y-axis is labeled 'Ratio' and ranges from 0.95 to 10^3 on a logarithmic scale. The x-axis is labeled 'track χ^2 ' and ranges from 0 to 20. The plot shows a sharp drop in the ratio from approximately 10^3 at $\chi^2=0$ to about 10 at $\chi^2=6$, followed by a gradual rise towards 1. A horizontal dashed line is drawn at Ratio = 1.

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



N of reco track vs. s

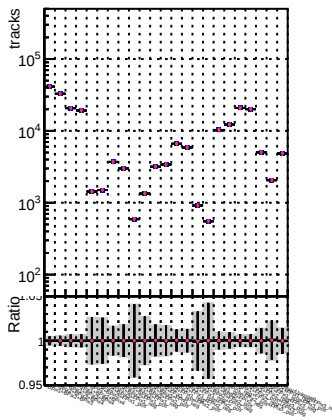


Figure 1 is a plot showing the ratio of duplicate tracks to total tracks for various datasets. The y-axis is labeled 'Ratio' and ranges from 0.95 to 1.0. The x-axis is labeled 'duplicate tracks' and ranges from 0 to 1.0. The plot shows a grid of points with a shaded region indicating the ratio of duplicate tracks to total tracks. The shaded region is a horizontal band at the bottom of the plot, representing a ratio of 0.95. The unshaded region represents a ratio of 1.0. The plot shows that for most datasets, the ratio of duplicate tracks to total tracks is close to 1.0, with some outliers showing a lower ratio.