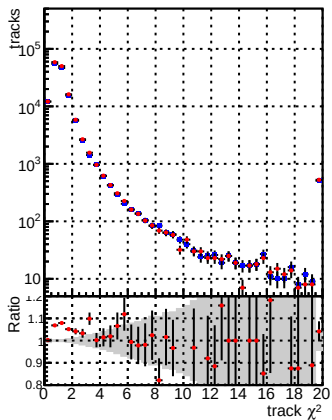


N of reco track vs normalized χ^2



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

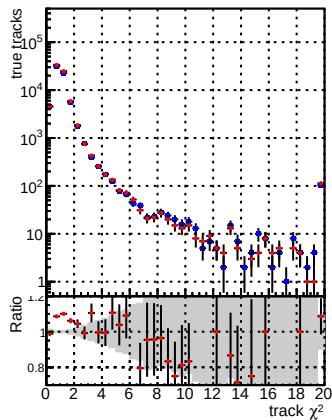
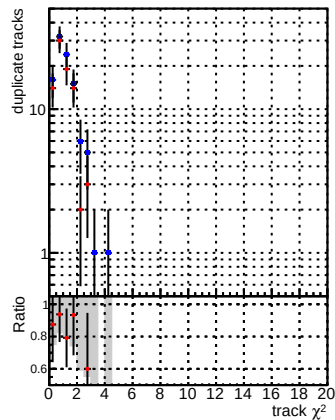


Figure 1 consists of two panels. The top panel is a log-linear plot of the ratio of fake tracks to real tracks (y-axis, logarithmic scale from 1 to 10⁴) versus track χ^2 (x-axis, linear scale from 0 to 20). The data points are shown as blue circles with error bars, and a solid black line represents the fit. The ratio decreases sharply from approximately 10⁴ at $\chi^2 = 0$ to about 10 at $\chi^2 = 10$, and then remains relatively flat around 10 for $\chi^2 > 10$. The bottom panel is a linear plot of the ratio (y-axis, linear scale from 0.8 to 1.2) versus track χ^2 (x-axis, linear scale from 0 to 20). The data points are shown as red crosses with error bars, and a solid black line represents the fit. The ratio is approximately 1.0 for $\chi^2 < 10$ and then decreases to about 0.8 for $\chi^2 > 10$.

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



N of reco track vs. s

