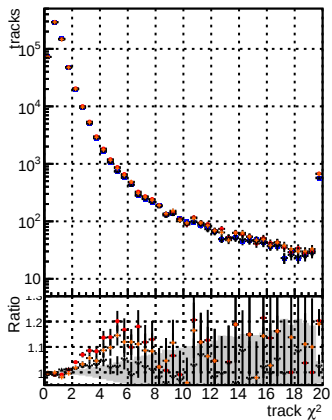


N of reco track vs normalized χ^2



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

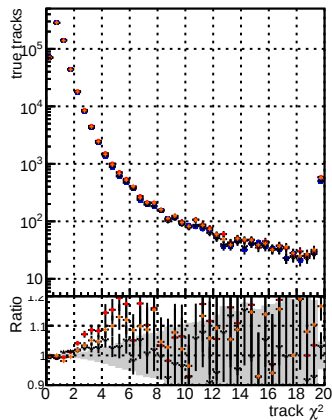
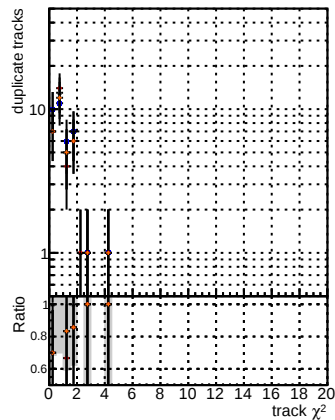


Figure 1 consists of two panels. The top panel is a log-linear plot of 'fake tracks' (y-axis, logarithmic scale from 1 to 10^4) versus 'track χ^2 ' (x-axis, linear scale from 0 to 20). It shows data points for three different track types: red circles, blue circles, and orange circles, all with error bars. The data points show a sharp decrease in the number of fake tracks as χ^2 increases, starting from approximately 10^4 at $\chi^2 = 0$ and dropping to around 10 at $\chi^2 = 10$, then leveling off. The bottom panel is a linear plot of 'Ratio' (y-axis, linear scale from 1.0 to 1.4) versus 'track χ^2 ' (x-axis, linear scale from 0 to 20). It shows the same three data series as the top panel. The ratio starts at 1.0 for $\chi^2 = 0$ and increases slightly to about 1.1 at $\chi^2 = 10$, then fluctuates between 1.0 and 1.4 for higher χ^2 values.

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



N of reco track vs. s

