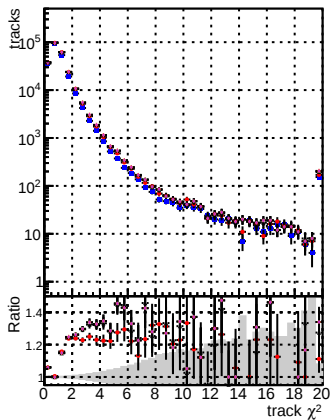


N of reco track vs normalized χ^2



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

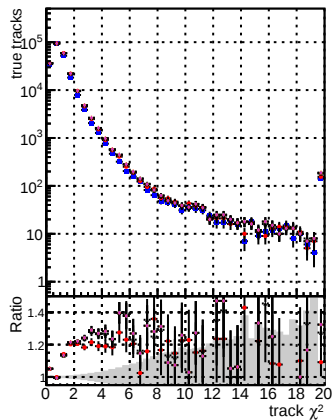
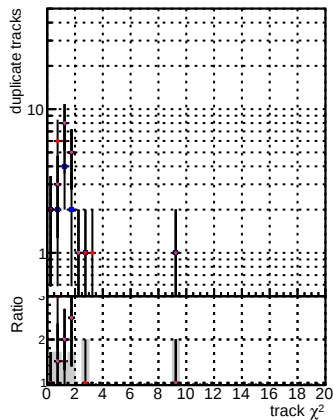


Figure 1 consists of two vertically stacked panels sharing a common x-axis labeled 'track χ^2 ' ranging from 0 to 20. The top panel is a log-linear plot of 'fake tracks' (y-axis, logarithmic scale from 10 to 1000) versus 'track χ^2 '. It shows three data series: black circles, red circles, and blue circles, all with vertical error bars. The data points show a decreasing trend as χ^2 increases, with a sharp drop around $\chi^2 = 4$. The bottom panel is a linear plot of 'Ratio' (y-axis, linear scale from 1.5 to 2.5) versus 'track χ^2 '. It shows the same three data series (black, red, and blue circles) with vertical error bars. The ratio values are relatively constant, fluctuating between 1.5 and 2.5 across the range of χ^2 .

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



N of reco track vs. s

