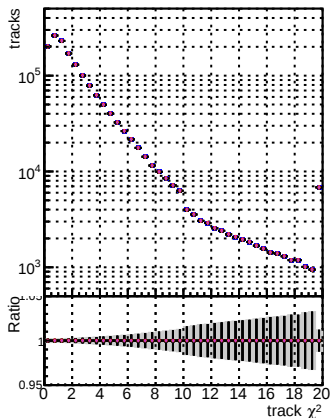


N of reco track vs normalized χ^2



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

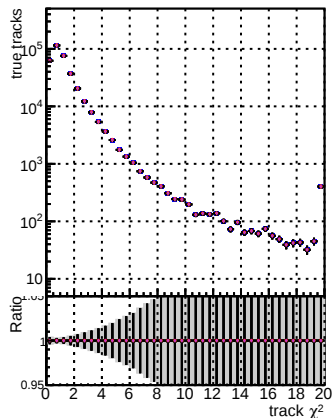
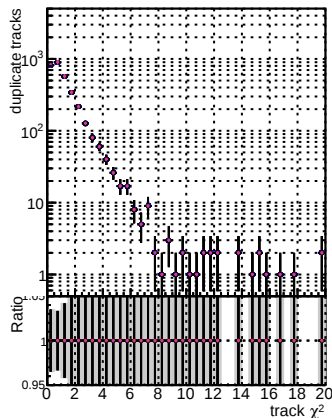


Figure 1 consists of two vertically stacked panels sharing a common x-axis labeled 'track γ_2 ' ranging from 0 to 20. The top panel is a log-linear plot of 'fake tracks' (y-axis, logarithmic scale from 10^3 to 10^5) versus 'track γ_2 '. It shows a series of red circles connected by a line, representing the mean, and a shaded gray region representing the standard deviation. The number of fake tracks decreases from approximately 3×10^5 at $\gamma_2 = 0$ to about 10^3 at $\gamma_2 = 20$. The bottom panel is a linear plot of 'Ratio' (y-axis, linear scale from 0.95 to 1.05) versus 'track γ_2 '. It shows the ratio of the number of fake tracks to the number of real tracks. The ratio starts at 1.0 and remains relatively constant, with a shaded gray region indicating the standard deviation that widens slightly as γ_2 increases.

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



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