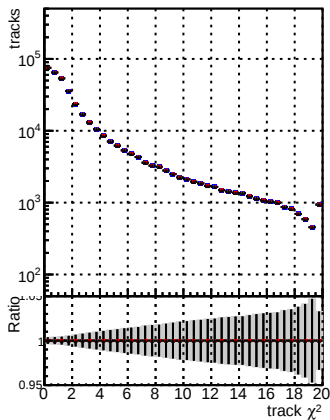


N of reco track vs normalized χ^2



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

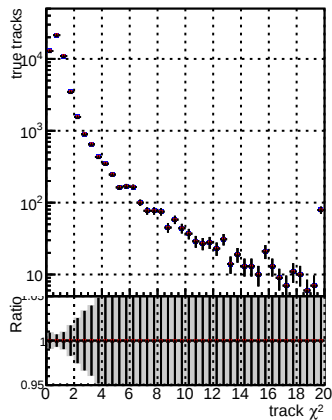
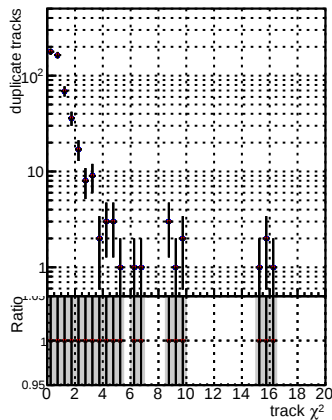
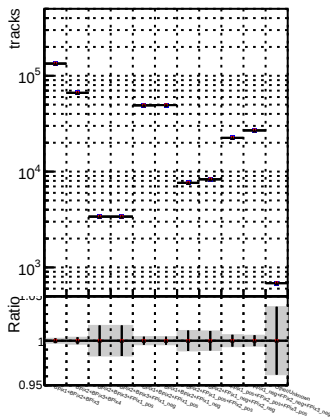


Figure 1 consists of two vertically stacked panels sharing a common x-axis labeled 'track χ^2 ' ranging from 0 to 20. The top panel shows 'fake tracks' on a logarithmic y-axis from 10^2 to 10^5 . It contains a series of purple dots representing data points and a solid black line representing a fit. The data shows a decreasing trend from approximately 4×10^4 at $\chi^2 = 0$ to 10^3 at $\chi^2 = 20$. The bottom panel shows 'Ratio' on a linear y-axis from 0.95 to 1.05. It features a central horizontal line at Ratio = 1.0, with a shaded gray region representing the uncertainty band. The ratio starts at 1.0 for $\chi^2 = 0$ and gradually decreases to approximately 0.98 at $\chi^2 = 20$, with the uncertainty band widening as χ^2 increases.

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



N of reco track vs. s	DQM CKF -- base noSel	DQM CKF -- retrainOldFiles113 noSel	DQM CKF -- retrainOldFiles125 v2 noSel

[illegible]