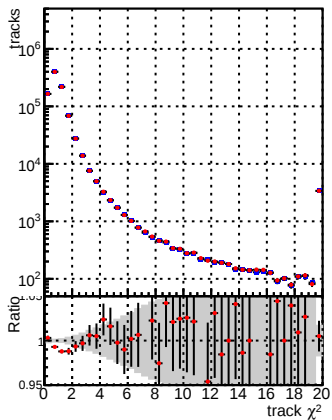
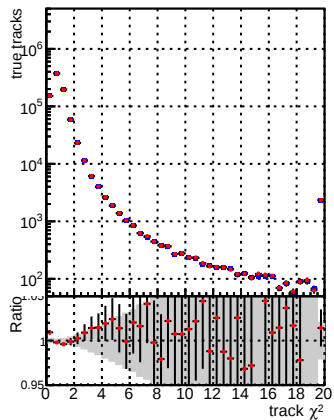


N of reco track vs normalized χ^2

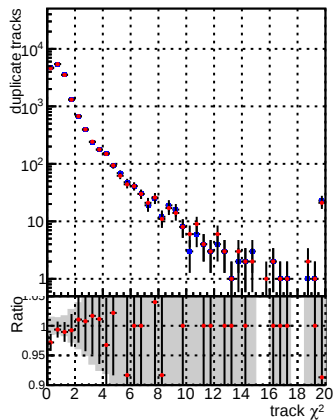


N of associated (recoToSim) tracks vs normalized χ^2



The figure 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 10^1 to 10^4) versus 'track χ^2 '. It shows two data series: blue circles and red crosses, both connected by lines. Both series show a sharp decrease in the number of fake tracks as χ^2 increases, starting from approximately 3×10^4 at $\chi^2 = 0$ and dropping to around 10^1 at $\chi^2 = 20$. The bottom panel is a linear plot of 'Ratio' (y-axis, linear scale from 0.9 to 1.4) versus 'track χ^2 '. It shows the ratio of the two data series from the top panel. The ratio is mostly close to 1.0, with some fluctuations. A shaded gray region is visible in the background of the bottom panel, representing a confidence interval or uncertainty band.

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



 DQM_CKF_QCDHighPt_base
 DQM_CKF_QCDHighPt_retrainOldFiles125_v2_prelimWPM_epoch3

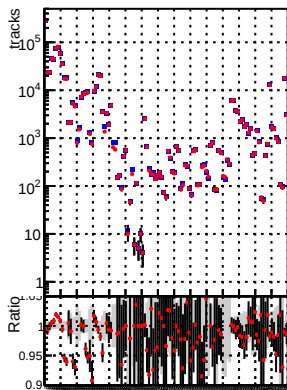


Figure 1 consists of two panels. The top panel is a scatter plot showing the distribution of duplicate tracks. The y-axis is labeled 'duplicate tracks' and ranges from 10^1 to 10^3 on a logarithmic scale. The x-axis is labeled 'Ratio' and ranges from 0.9 to 1.4. Data points are represented by black dots, with red and blue dots highlighting specific subsets. The bottom panel is a histogram of the 'Ratio' values, with a red line indicating the mean ratio across the distribution.