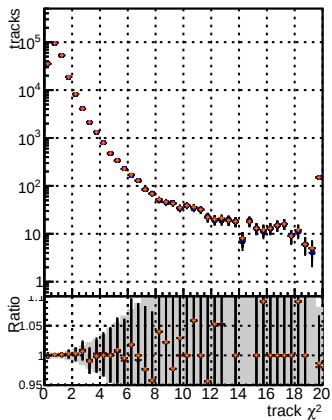
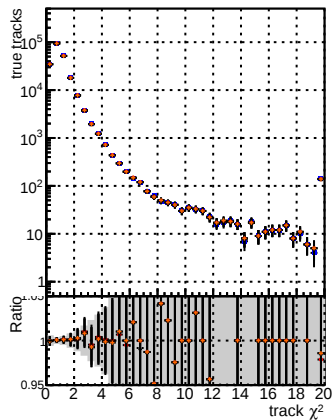


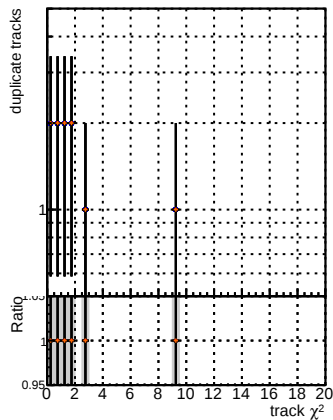
N of reco track vs normalized  $\chi^2$



N of associated (recoToSim) tracks vs normalized  $\chi^2$



N of associated (recoToSim) looper tracks vs normalized  $\chi^2$



N of reco track vs. s

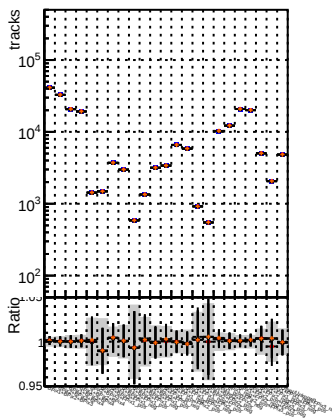


Figure 1 consists of two panels. The top panel is a scatter plot showing the relationship between 'true tracks' (y-axis, logarithmic scale from  $10^2$  to  $10^5$ ) and 'Ratio' (x-axis, linear scale from 0.95 to 1.05). The data points are represented by black dots, with a dense cluster of points at lower track counts and a more sparse distribution at higher track counts. A red line represents the linear fit to the data. The bottom panel is a line plot showing the 'Ratio' (y-axis, linear scale from 0.95 to 1.05) versus 'true tracks' (x-axis, logarithmic scale from  $10^2$  to  $10^5$ ). The plot shows a noisy black line representing the ratio values, with a red line indicating the linear fit. The ratio values fluctuate around 1.0 across the range of true tracks.