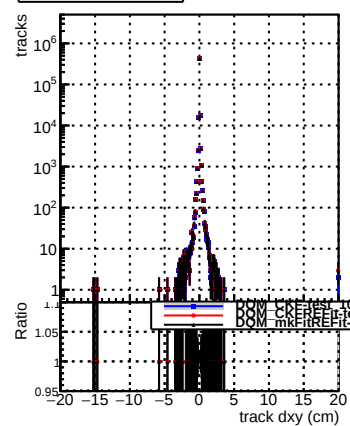


N of reco track vs dxy



N of associated (recoToSim) tracks vs dxy

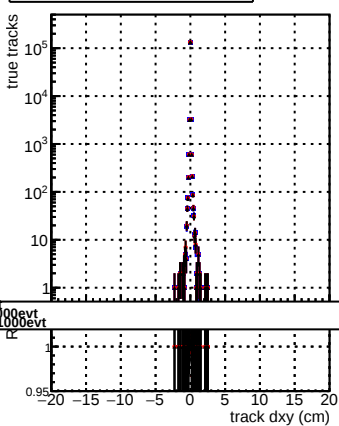
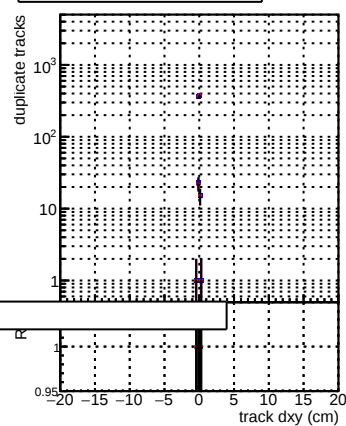
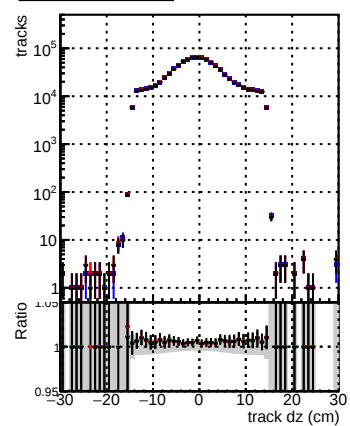


Figure 1 consists of two panels. The top panel is a log-linear plot of 'fake tracks' (y-axis, logarithmic scale from 1 to 10^5) versus 'track dxy (cm)' (x-axis, linear scale from -20 to 20). It shows a sharp peak at $d_{xy} = 0$ with a maximum value of approximately 2×10^5 . The bottom panel is a linear plot of σ (y-axis, linear scale from 0.95 to 1.05) versus 'track dxy (cm)' (x-axis, linear scale from -20 to 20). It shows a distribution of σ values, with a red dashed line indicating a value of approximately 1.01.

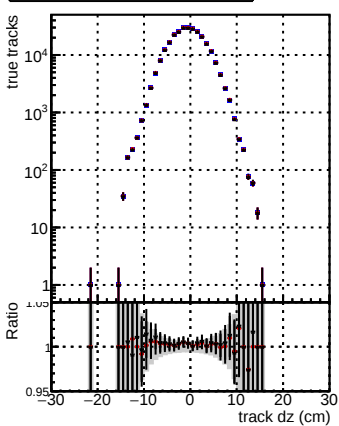
N of associated (recoToSim) looper tracks vs dxy



N of reco track vs dz



N of associated (recoToSim) tracks vs dz



The figure consists of two vertically stacked panels sharing a common x-axis labeled 'track dz (cm)' ranging from -30 to 30. The top panel's y-axis is labeled 'fake tracks' on a logarithmic scale from 10^0 to 10^5 . It displays a distribution of data points (black dots) with a Gaussian fit curve (red line). The bottom panel's y-axis is labeled 'Ratio' on a linear scale from 0.95 to 1.05. It shows the ratio of fake tracks to real tracks, with a shaded gray region representing the uncertainty and a red horizontal line at 1.0.

N of associated (recoToSim) loop tracks vs dz

