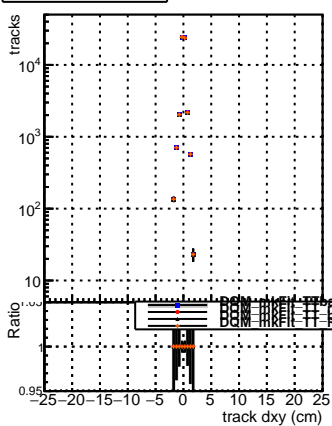
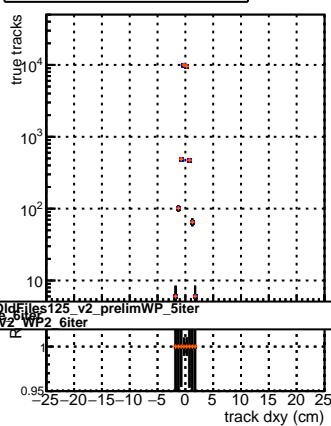


N of reco track vs dxy

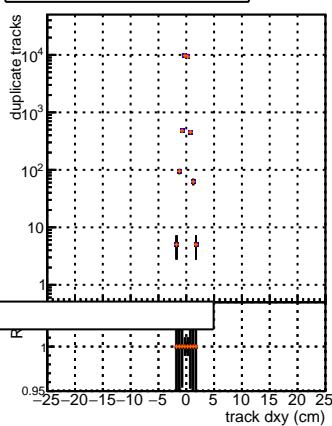


N of associated (recoToSim) tracks vs dxy

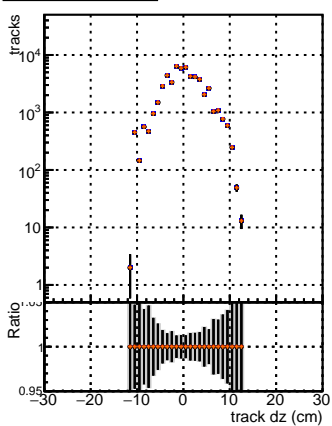


The figure consists of two vertically stacked panels sharing a common x-axis labeled 'track dxy (cm)' ranging from -25 to 25. The top panel's y-axis is 'fake tracks' on a logarithmic scale from 10 to 10⁴. It shows data points with error bars, with a significant concentration of points between dxy = -5 and 5, reaching up to 10⁴. The bottom panel's y-axis is the fraction of fake tracks, ranging from 0.95 to 1.0. It shows a similar distribution, with a central peak around dxy = 0 where the fraction reaches 1.0. Both panels feature a central shaded region and a horizontal line at dxy = 0.

N of associated (recoToSim) loop tracks vs dxy



N of reco track vs dz



N of associated (recoToSim) tracks vs dz

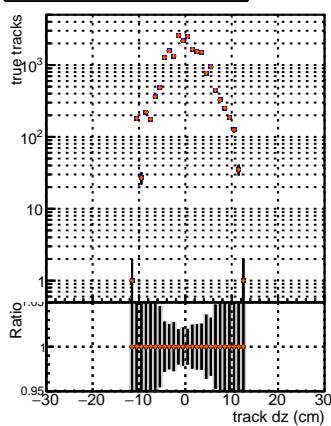


Figure 1 consists of two panels. The top panel is a log-linear plot of 'fake tracks' (y-axis, logarithmic scale from 10 to 10^4) versus 'track dz (cm)' (x-axis, linear scale from -30 to 30). The data points are red squares, showing a peak around 0 cm. The bottom panel is a linear plot of 'Ratio' (y-axis, linear scale from 0.95 to 1.0) versus 'track dz (cm)' (x-axis, linear scale from -30 to 30). The data points are black circles, and a solid orange line represents the fit. The ratio is approximately 1.0 for track dz between -10 and 10 cm, and increases to about 10^3 for track dz between -5 and 5 cm.

N of associated (recoToSim) looper tracks vs dz

