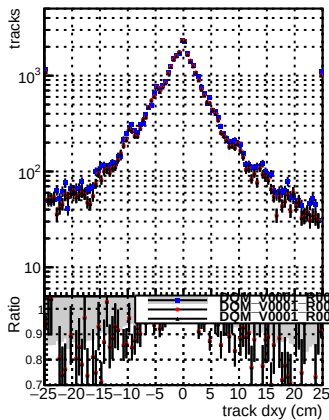
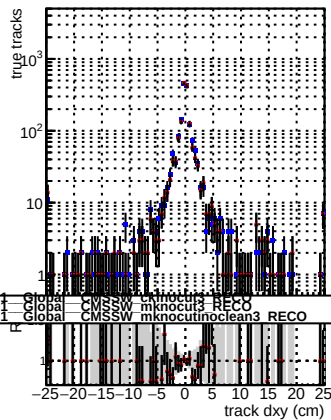


N of reco track vs dxy

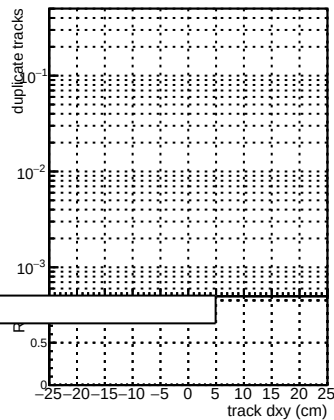


N of associated (recoToSim) tracks vs dxy

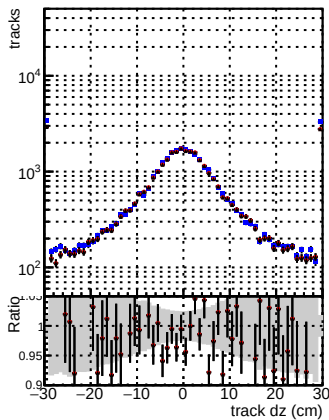


The figure consists of two vertically stacked plots. The top plot shows the distribution of fake tracks as a function of track  $d_{xy}$  (cm). The y-axis is logarithmic, ranging from 10 to  $10^3$ . The x-axis ranges from -25 to 25 cm. Data points are shown as black dots, and a red line represents a Gaussian fit. The distribution is centered at 0 cm. The bottom plot shows the ratio of fake tracks to total tracks as a function of track  $d_{xy}$  (cm). The y-axis is linear, ranging from 0.7 to 0.9. The x-axis ranges from -25 to 25 cm. Data points are shown as black dots, and a red line represents a linear fit. The ratio is relatively constant around 0.85.

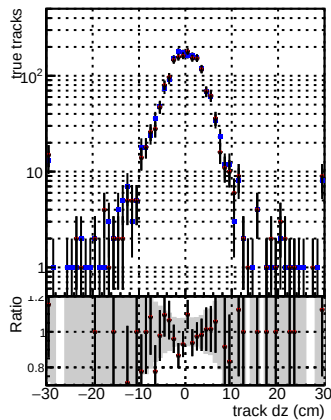
N of associated (recoToSim) looper tracks vs dxy



N of reco track vs dz



N of associated (recoToSim) tracks vs dz



N of associated (recoToSim) looper tracks vs dz

