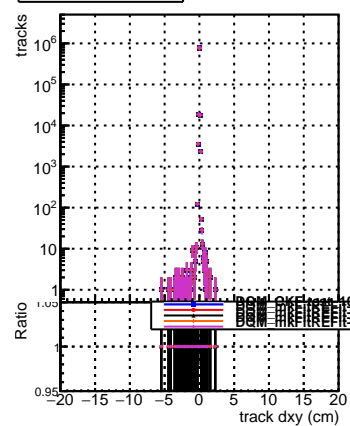


N of reco track vs dxy



N of associated (recoToSim) tracks vs dxy

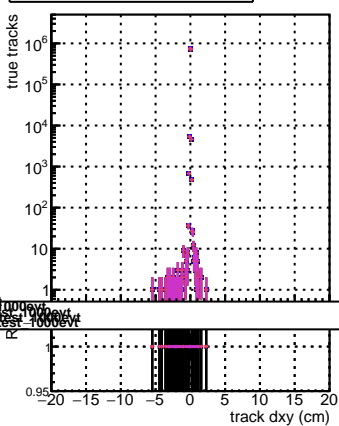
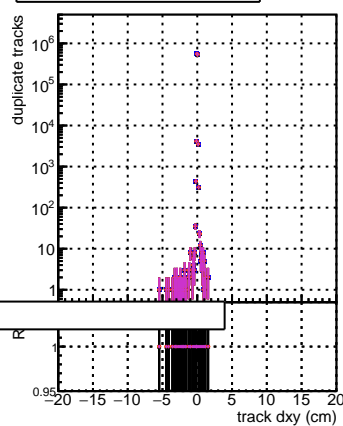
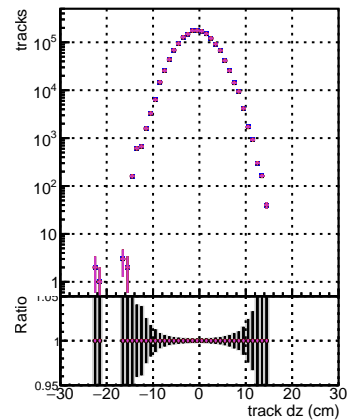


Figure 1 consists of two panels. The top panel is a log-linear plot showing the number of fake tracks (y-axis, logarithmic scale from 1 to  $10^5$ ) versus track  $d_{xy}$  (x-axis, linear scale from -20 to 20 cm). The data points are represented by black squares, and a solid black line shows the fit. The bottom panel is a linear plot showing the ratio  $R$  (y-axis, linear scale from 0.95 to 1) versus track  $d_{xy}$  (x-axis, linear scale from -20 to 20 cm). The data points are represented by black squares, and a solid black line shows the fit. Both panels show a sharp peak at  $d_{xy} = 0$ .

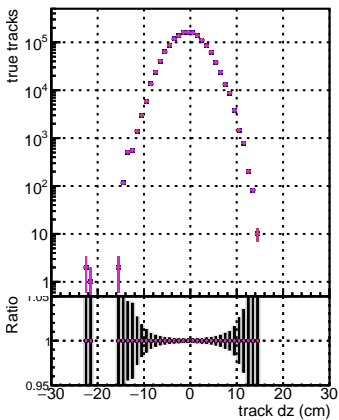
N of associated (recoToSim) looper tracks vs dxy



N of reco track vs dz



N of associated (recoToSim) tracks vs dz



N of associated (recoToSim) loopers tracks vs dz

