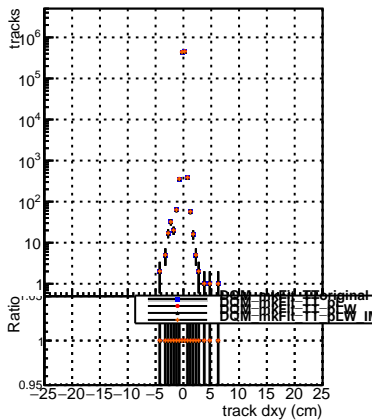


N of reco track vs dxy



N of associated (recoToSim) tracks vs dxy

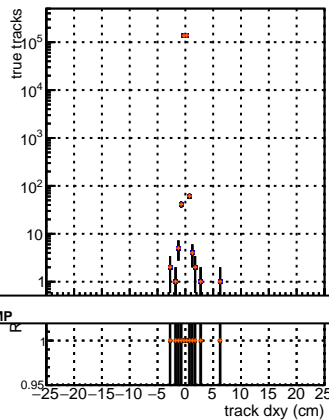
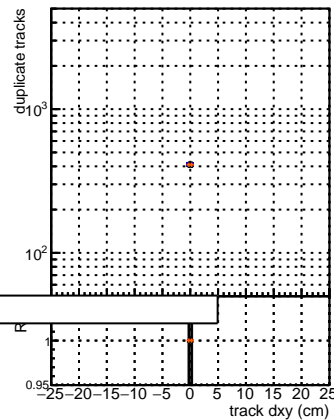
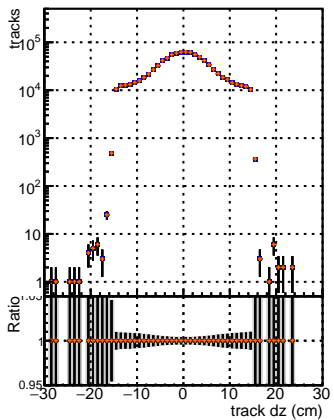


Figure 1 consists of two panels. The top panel is a log-linear plot showing the number of fake tracks (y-axis, logarithmic scale from 1 to 10<sup>5</sup>) versus track dxy (cm) (x-axis, linear scale from -25 to 25). Data points are shown as red circles with error bars, and a solid black line represents the fit. The bottom panel is a linear plot showing the efficiency  $\epsilon$  (y-axis, linear scale from 0.95 to 1) versus track dxy (cm) (x-axis, linear scale from -25 to 25). Data points are shown as black vertical bars, and a horizontal orange line represents the fit at  $\epsilon = 1$ .

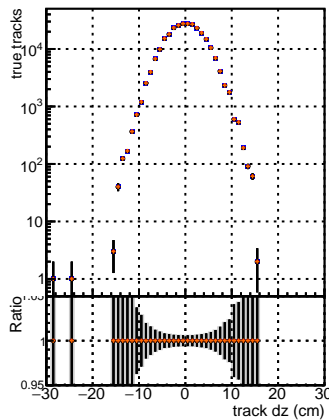
N of associated (recoToSim) looper tracks vs dxy



N of reco track vs dz



N of associated (recoToSim) tracks vs dz



N of associated (recoToSim) looper tracks vs dz

