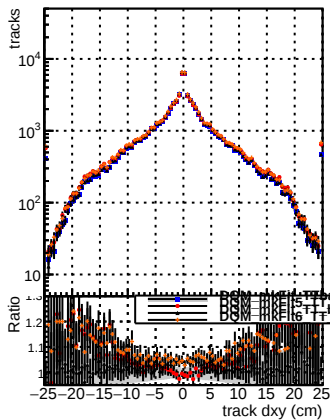
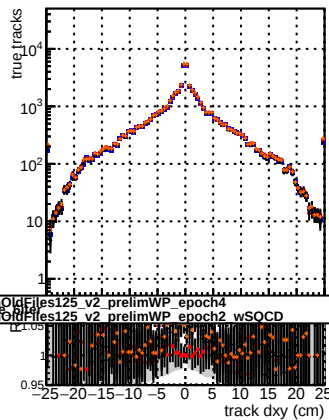


N of reco track vs dxy

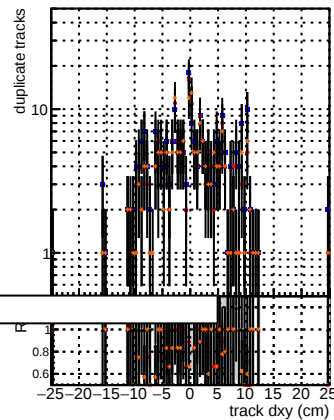


N of associated (recoToSim) tracks vs dxy

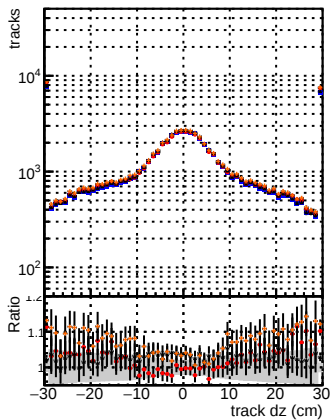


The figure consists of two vertically stacked plots. The top plot shows the distribution of fake tracks as a function of track  $d_{xy}$  (cm). The y-axis is logarithmic, ranging from 10 to  $10^3$ . The x-axis ranges from -25 to 25 cm. Data points are shown as black dots, with a red line representing a fit. The distribution is peaked at  $d_{xy} = 0$ . 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 1.0 to 1.2. The x-axis ranges from -25 to 25 cm. Data points are shown as black dots, with a red line representing a fit. The ratio is approximately 1.05 for  $d_{xy} < -10$  and  $d_{xy} > 10$ , and dips to approximately 1.0 at  $d_{xy} = 0$ .

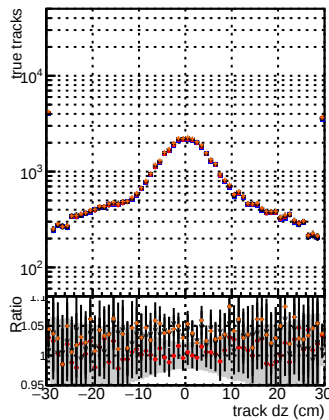
N of associated (recoToSim) looper tracks vs dxy



N of reco track vs dz



N of associated (recoToSim) tracks vs dz



N of associated (recoToSim) looper tracks vs dz

