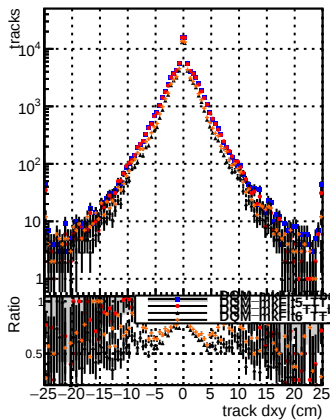
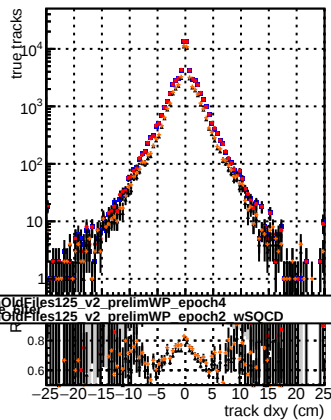


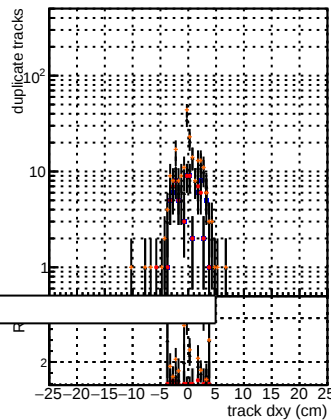
N of reco track vs dxy



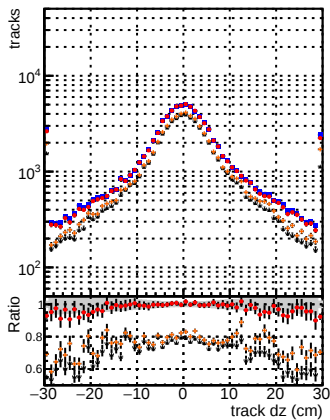
N of associated (recoToSim) tracks vs dxy



N of associated (recoToSim) looper tracks vs dxy



N of reco track vs dz



N of associated (recoToSim) tracks vs dz

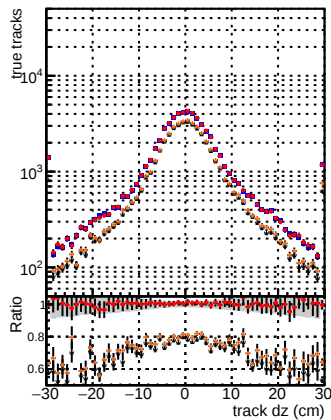


Figure 10 consists of two panels. The top panel is a log-linear plot showing the number of fake tracks (y-axis, logarithmic scale from 10^2 to 10^3) versus track dz (cm) (x-axis, linear scale from -30 to 30). The data points are colored by track length: blue for $l_{\text{track}} < 10$ cm, red for $10 < l_{\text{track}} < 20$ cm, green for $20 < l_{\text{track}} < 30$ cm, and black for $l_{\text{track}} > 30$ cm. A solid black line represents the total number of fake tracks. The bottom panel shows the ratio of fake tracks to total tracks (y-axis, linear scale from 0.6 to 1.0) versus track dz (cm) (x-axis, linear scale from -30 to 30). The data points are colored by track length: blue for $l_{\text{track}} < 10$ cm, red for $10 < l_{\text{track}} < 20$ cm, green for $20 < l_{\text{track}} < 30$ cm, and black for $l_{\text{track}} > 30$ cm. A solid black line represents the total ratio.

N of associated (recoToSim) looper tracks vs dz

