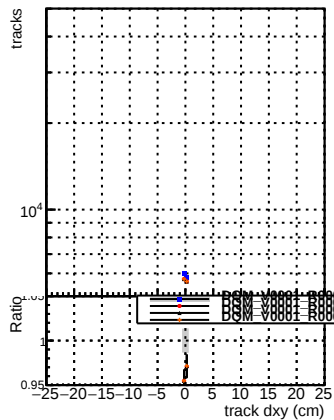


N of reco track vs dxy



N of associated (recoToSim) tracks vs dxy

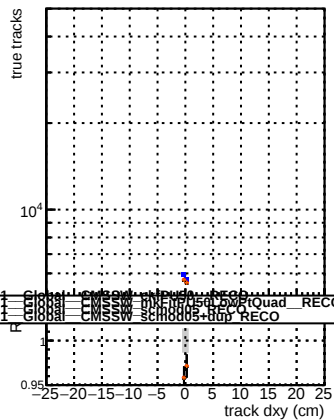
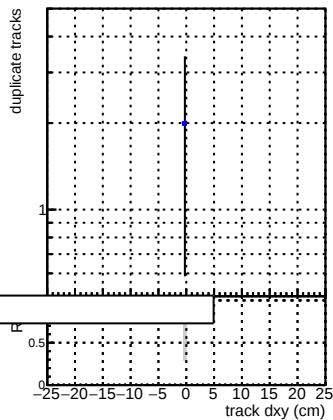
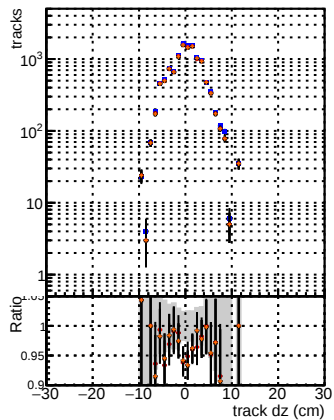


Figure 10 consists of two panels. The top panel is a 2D histogram showing the distribution of fake tracks as a function of track  $d_{xy}$  (cm) on the x-axis and the number of fake tracks on the y-axis. The x-axis ranges from -25 to 25 cm, and the y-axis is on a logarithmic scale from 10 to  $10^2$ . The distribution is highly peaked at  $d_{xy} = 0$  cm, with a maximum value of approximately 60. The bottom panel is a 1D histogram showing the distribution of fake tracks as a function of track  $d_{xy}$  (cm). The x-axis ranges from -25 to 25 cm, and the y-axis ranges from 0.6 to 0.8. The distribution is also highly peaked at  $d_{xy} = 0$  cm, with a maximum value of approximately 0.8.

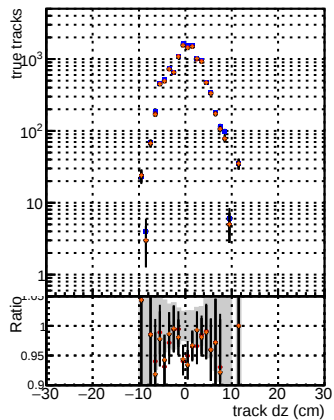
N of associated (recoToSim) looper tracks vs dxy



N of reco track vs dz



N of associated (recoToSim) tracks vs dz



N of associated (recoToSim) looper tracks vs dz

