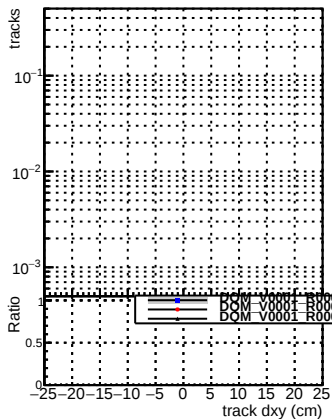
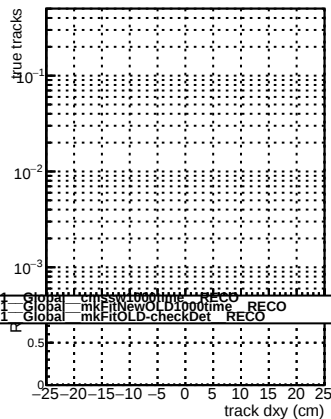


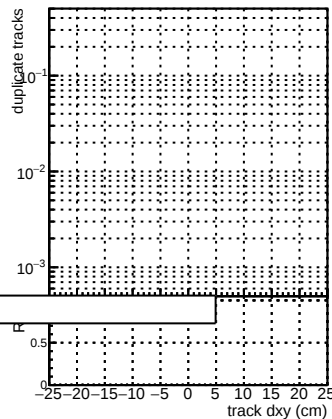
N of reco track vs dxy



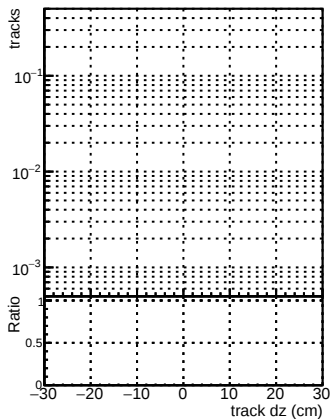
N of associated (recoToSim) tracks vs dxy



N of associated (recoToSim) looper tracks vs dxy



N of reco track vs dz



N of associated (recoToSim) tracks vs dz

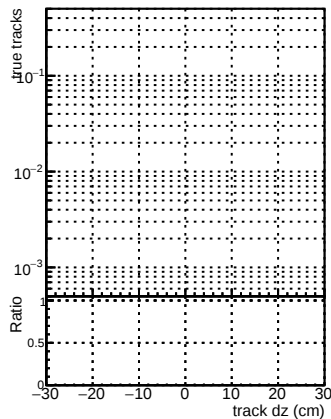


Figure 10 is a scatter plot showing the ratio of fake tracks to total tracks as a function of track  $dz$  (cm). The y-axis is labeled 'Ratio' and is on a logarithmic scale from 0 to 1. The x-axis is labeled 'track dz (cm)' and ranges from -30 to 30. The data points show a high ratio (near 1) for  $|dz| < 10$  cm and a sharp drop to a ratio of approximately  $10^{-3}$  for  $|dz| > 10$  cm.

N of associated (recoToSim) looper tracks vs dz

