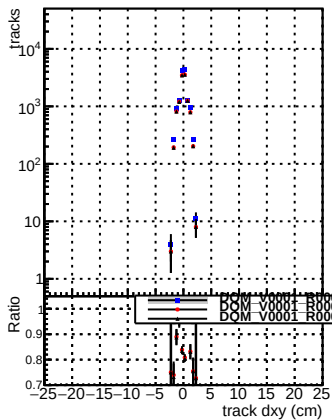
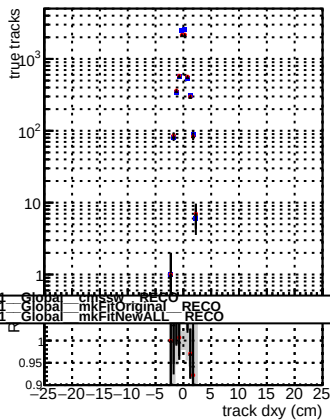


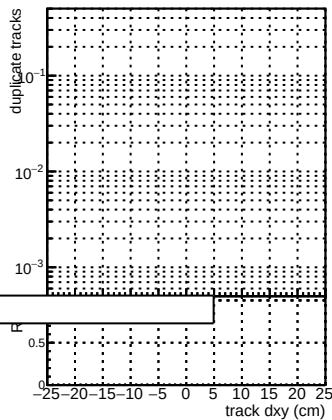
N of reco track vs dxy



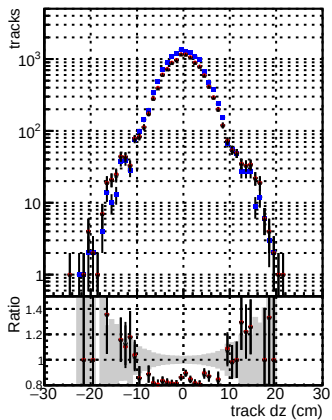
N of associated (recoToSim) tracks vs dxy



N of associated (recoToSim) loop tracks vs dxy



N of reco track vs dz



N of associated (recoToSim) tracks vs dz

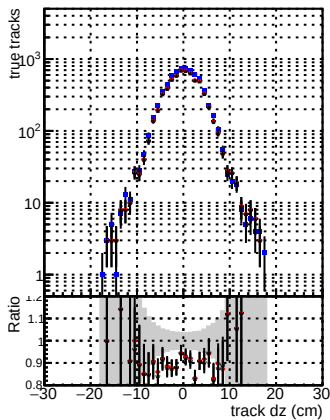


Figure 10 consists of two vertically stacked plots sharing a common x-axis labeled 'track dz (cm)' ranging from -30 to 30. The top plot's y-axis is labeled 'fake tracks' on a logarithmic scale from 10^0 to 10^3 . It displays data points for three different track selection criteria: black circles, blue circles, and red circles. A solid black line represents a Gaussian fit to the data, which peaks at approximately 400 at $dz = 0$. The bottom plot's y-axis is labeled 'Ratio' on a linear scale from 0.8 to 1.4. It shows the ratio of fake tracks to total tracks for the same three criteria, with data points and a shaded gray band representing the uncertainty. The ratio is generally close to 1.0, with some fluctuations and a slight dip around $dz = 0$.

N of associated (recoToSim) looper tracks vs dz

