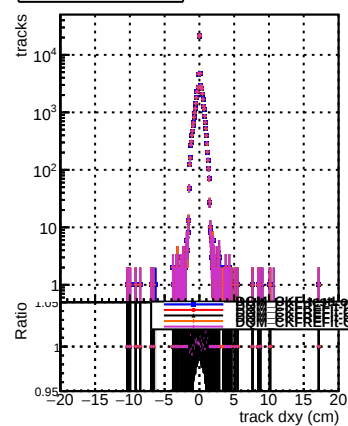
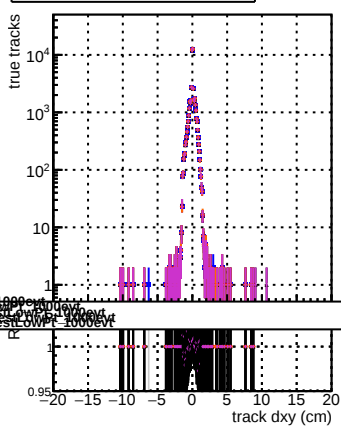


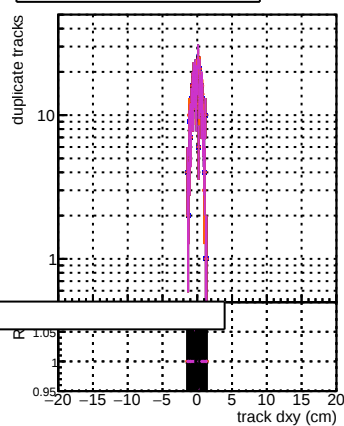
N of reco track vs dxy



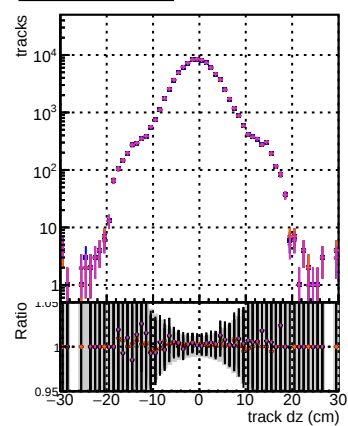
N of associated (recoToSim) tracks vs dxy



N of associated (recoToSim) looper tracks vs dxy



N of reco track vs dz



N of associated (recoToSim) tracks vs dz

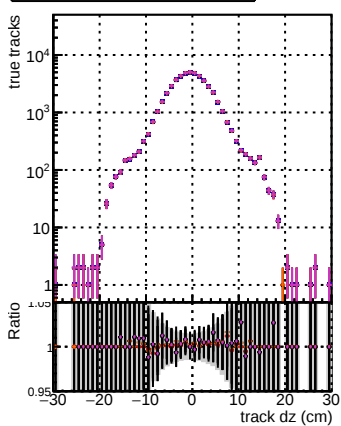


Figure 1 consists of two vertically stacked plots sharing a common x-axis labeled 'track dz (cm)' ranging from -30 to 30. The top plot's y-axis is labeled 'fake tracks' on a logarithmic scale from 10^0 to 10^4 . It shows a distribution of purple data points with error bars, peaking at approximately 4×10^3 near $dz = 0$. The bottom plot's y-axis is labeled 'Ratio' on a linear scale from 0.95 to 1.05. It shows the ratio of fake tracks to real tracks, with a horizontal line at 1.0. The ratio is mostly close to 1.0, with a slight dip around $dz = 20$ cm and a peak around $dz = 0$ cm.

N of associated (recoToSim) loop tracks vs dz

