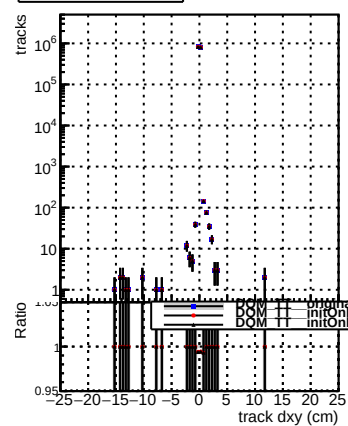
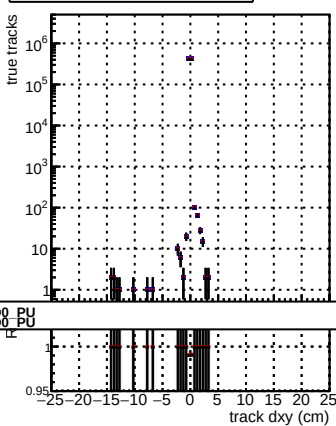


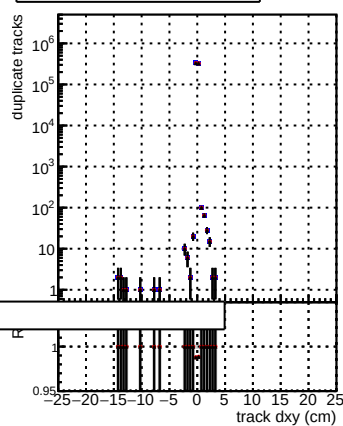
N of reco track vs dxy



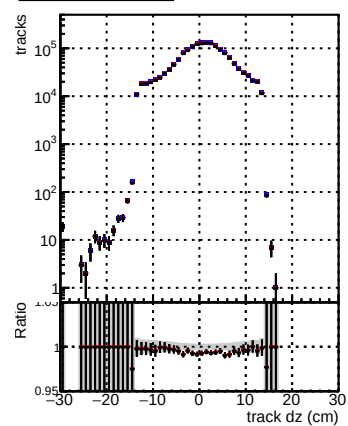
N of associated (recoToSim) tracks vs dxy



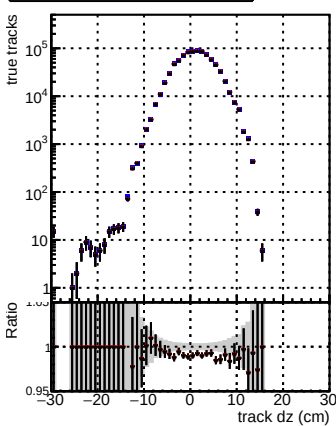
N of associated (recoToSim) looper tracks vs dxy



N of reco track vs dz



N of associated (recoToSim) tracks vs dz



The figure consists of two vertically stacked panels sharing a common x-axis labeled 'track dz (cm)' ranging from -30 to 30. The y-axis for both panels is labeled 'Ratio'. The top panel has a logarithmic y-axis ranging from 10^0 to 10^5 . It shows data points (black dots with error bars) and a fitted curve (purple line) that peaks at approximately $10^4.5$ around $dz = 0$. The bottom panel has a linear y-axis ranging from 0.95 to 1.05. It shows data points (black dots with error bars) and a fitted curve (red line) that is nearly constant at 1.0 across the entire range of dz .

N of associated (recoToSim) loop tracks vs dz

