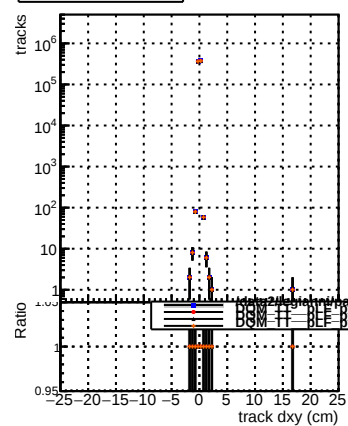
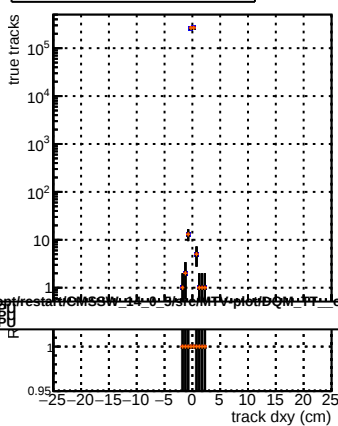


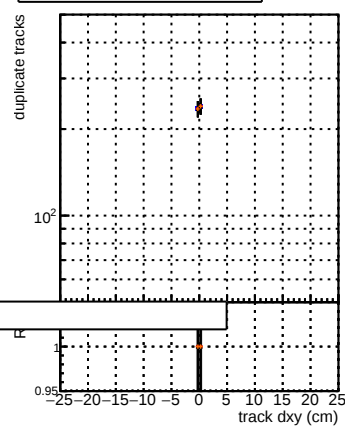
N of reco track vs dxy



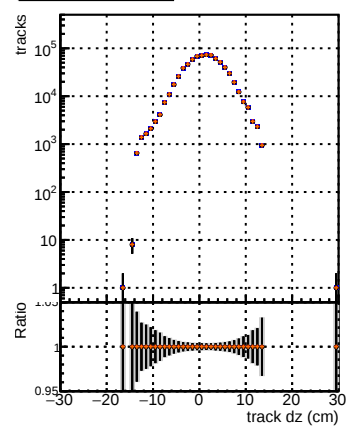
N of associated (recoToSim) tracks vs dxy



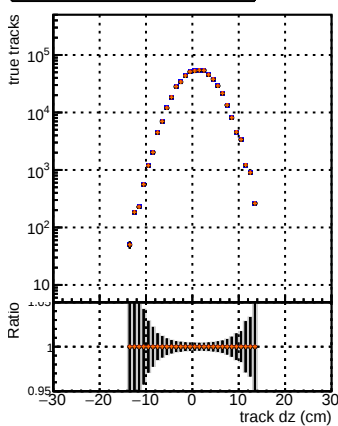
N of associated (recoToSim) looper tracks vs dxy



N of reco track vs dz



N of associated (recoToSim) tracks vs dz



The figure consists of two vertically stacked 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 red squares peaking at $dz = 0$ with a value of approximately 2×10^4 . The bottom plot's y-axis is labeled 'Ratio' on a linear scale from 0.95 to 1.05. It shows a series of black vertical bars with a central orange line, representing the ratio of fake tracks to real tracks. The ratio is highest at $dz = 0$ (around 1.02) and lowest at $dz = -15$ (around 0.98).

N of associated (recoToSim) loop tracks vs dz

