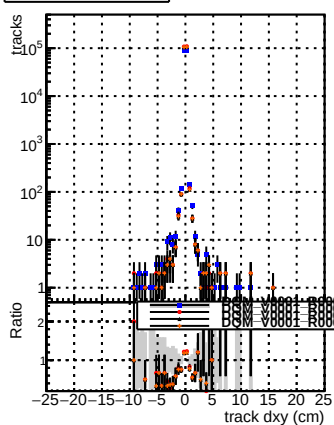
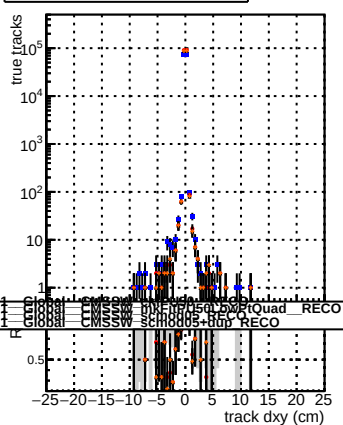


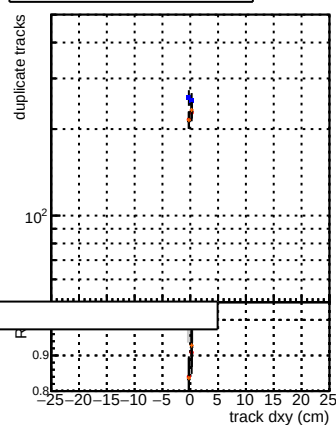
N of reco track vs dxy



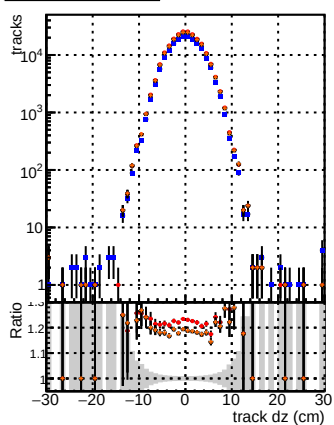
N of associated (recoToSim) tracks vs dxy



N of associated (recoToSim) looper tracks vs dxy



N of reco track vs dz



N of associated (recoToSim) tracks vs dz

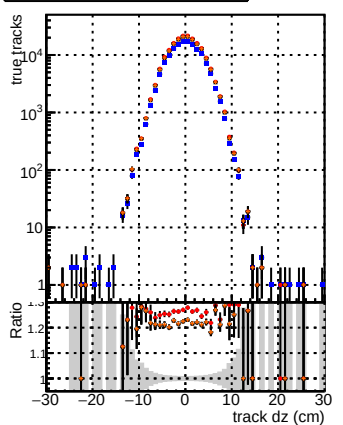


Figure 1 consists of two panels. The top panel is a log-linear plot of the ratio of fake tracks to real tracks versus track dz (cm). The y-axis is labeled 'fake_tracks' and ranges from 1 to 10^4 on a logarithmic scale. The x-axis is labeled 'track dz (cm)' and ranges from -30 to 30. Data points are shown as red squares and blue circles, with a black line representing the fit. The ratio peaks at $dz = 0$ with a value of approximately 4000. The bottom panel is a linear plot of the ratio versus track dz (cm). The y-axis is labeled 'Ratio' and ranges from 1 to 1.4. The x-axis is the same as the top panel. Data points are shown as red squares and blue circles, with a black line representing the fit. The ratio dips at $dz = 0$ with a value of approximately 1.1. Shaded regions indicate the 1-sigma uncertainty.

N of associated (recoToSim) looped tracks vs dz

