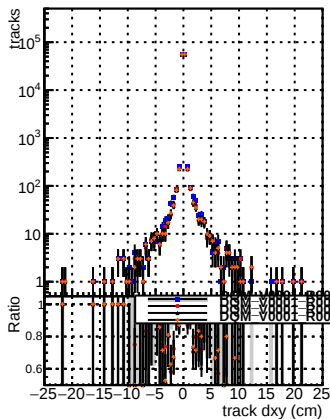


N of reco track vs dxy



N of associated (recoToSim) tracks vs dxy

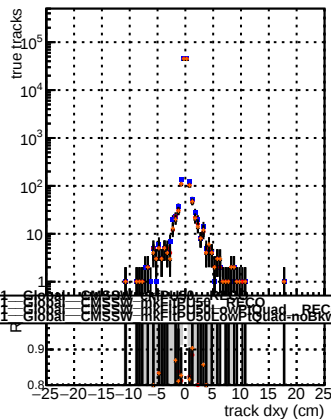
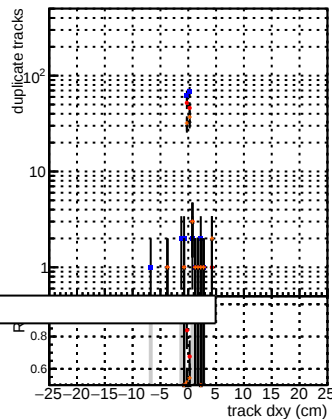
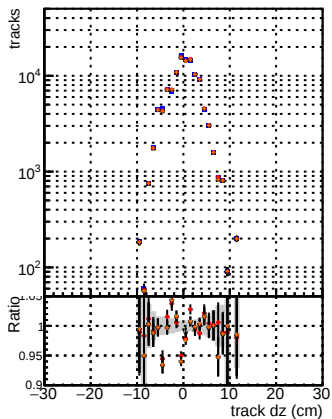


Figure 1 consists of two panels. The top panel is a plot of 'fake_tracks' versus 'track dxy (cm)'. The y-axis is logarithmic, ranging from 1 to 10⁴. The x-axis ranges from -25 to 25 cm. Data points are shown for three track types: black (filled circles), red (open circles), and blue (open circles). A central peak is visible around 0 cm dxy, reaching a maximum of approximately 10⁴ fake tracks. The bottom panel is a plot of 'CO' versus 'track dxy (cm)'. The y-axis is linear, ranging from 0.6 to 0.8. The x-axis ranges from -25 to 25 cm. Data points are shown for the same three track types. The CO values are generally high, around 0.8, with some fluctuations and a slight dip around 0 cm dxy.

N of associated (recoToSim) looper tracks vs dxy



N of reco track vs dz



N of associated (recoToSim) tracks vs dz

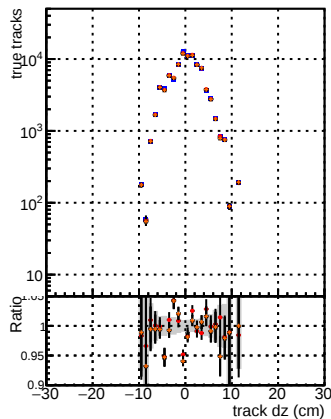


Figure 10 is a plot showing the ratio of fake tracks to real tracks as a function of track dz (cm). The top panel shows the ratio on a logarithmic scale from 0.9 to 10^4 . The bottom panel shows the ratio on a linear scale from 0.9 to 1.4. The x-axis ranges from -30 to 30 cm. The plot shows a peak in the ratio around 0 cm, with shaded regions indicating the 1-sigma and 2-sigma confidence levels.

N of associated (recoToSim) loop tracks vs dz

