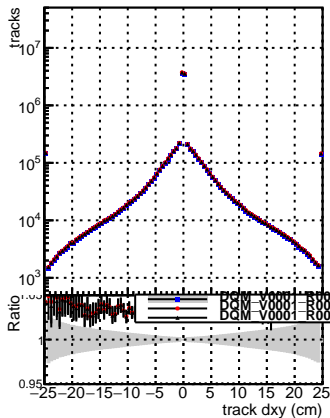
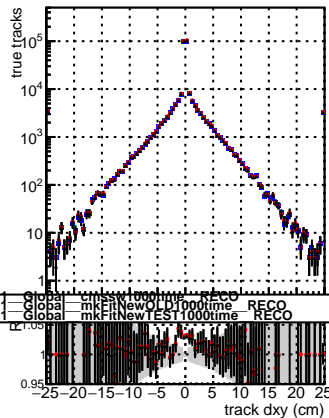


N of reco track vs dxy



N of associated (recoToSim) tracks vs dxy

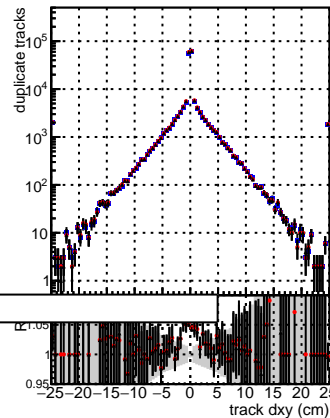


The figure consists of two vertically stacked panels sharing a common x-axis labeled 'track dxy (cm)' ranging from -25 to 25.

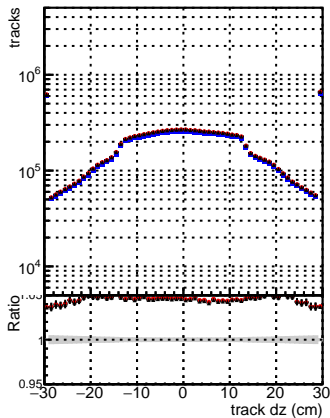
The top panel plots 'fake_tracks' on a logarithmic y-axis from 10^3 to 10^7 . It shows a distribution of fake tracks with a prominent peak at $dxy = 0$ cm. The data points are represented by blue dots, and a red line indicates a fit to the data. The peak value is approximately 3×10^5 .

The bottom panel plots 'efficiency' on a linear y-axis from 0.95 to 1.0. It shows a flat line at an efficiency of 1.0, with a shaded gray region representing the uncertainty band. The data points are blue dots, and a red line indicates a fit to the data.

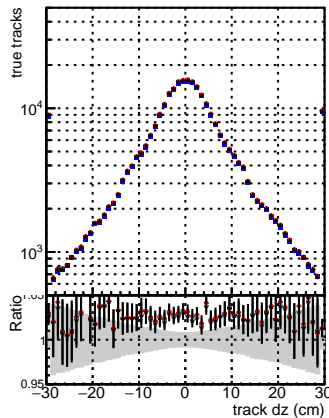
N of associated (recoToSim) looper tracks vs dxy



N of reco track vs dz



N of associated (recoToSim) tracks vs dz



N of associated (recoToSim) loop tracks vs dz

