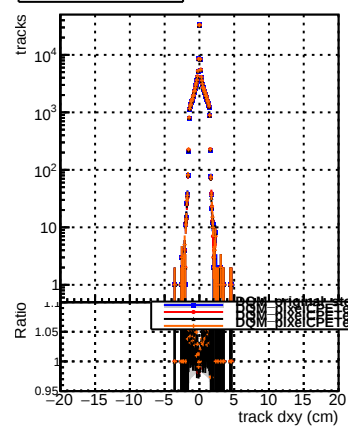


N of reco track vs dxy



N of associated (recoToSim) tracks vs dxy

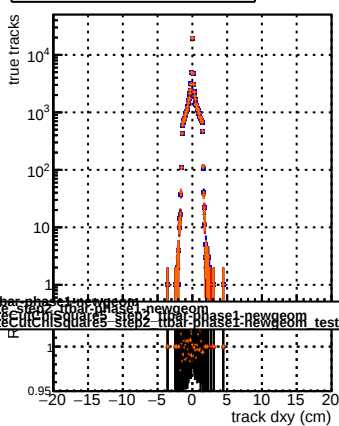
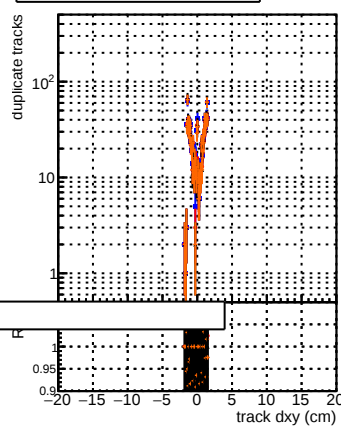
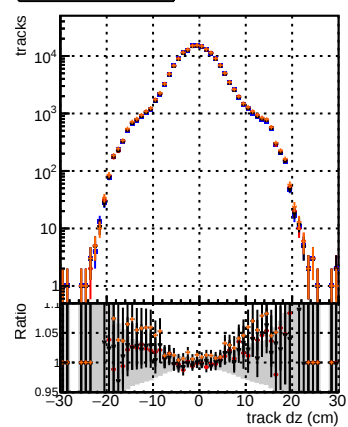


Figure 1 consists of two plots. The top plot shows the distribution of fake tracks for the 2011 data. The y-axis is labeled 'fake tracks' and is on a logarithmic scale from 1 to 10⁴. The x-axis is labeled 'track dxy (cm)' and ranges from -20 to 20. The data points are shown as orange bars with error bars, and a red line represents the fit. The distribution is centered at 0 cm. The bottom plot shows the distribution of fake tracks for the 2012 data. The y-axis is labeled 'fake tracks' and is on a linear scale from 0 to 1.1. The x-axis is labeled 'track dxy (cm)' and ranges from -20 to 20. The data points are shown as orange bars with error bars, and a red line represents the fit. The distribution is also centered at 0 cm.

N of associated (recoToSim) looper tracks vs dxy



N of reco track vs dz



N of associated (recoToSim) tracks vs dz

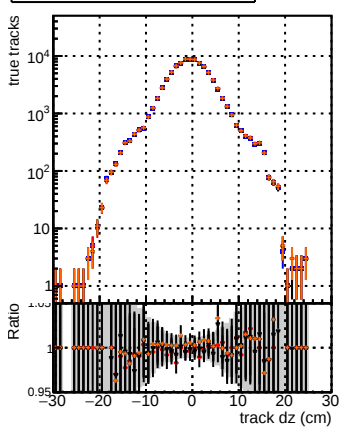


Figure 1 consists of two panels. The top panel is a log-linear plot of 'fake tracks' versus 'track dz (cm)'. The x-axis ranges from -30 to 30 cm, and the y-axis ranges from 1 to 10⁴. The data points are shown as red circles with error bars, and a black line represents the fit. The ratio peaks at approximately 10⁴ at dz = 0. The bottom panel is a linear plot of 'Ratio' versus 'track dz (cm)'. The x-axis ranges from -30 to 30 cm, and the y-axis ranges from 1 to 1.2. The data points are shown as black circles with error bars, and a black line represents the fit. The ratio is approximately 1.1 at dz = 0. A shaded gray region indicates the 1-sigma uncertainty.

N of associated (recoToSim) loop tracks vs dz

