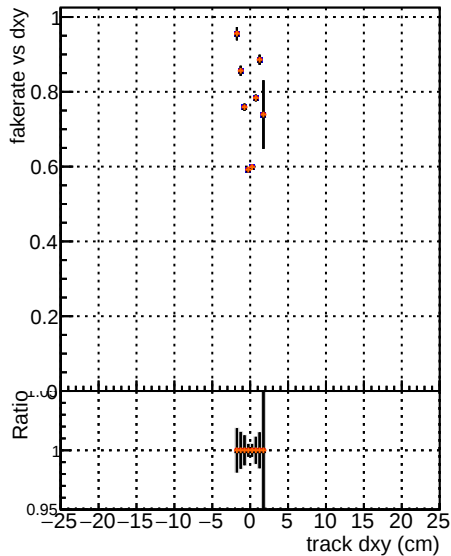
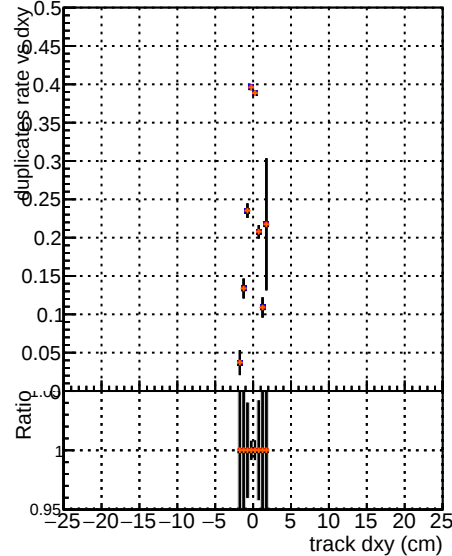


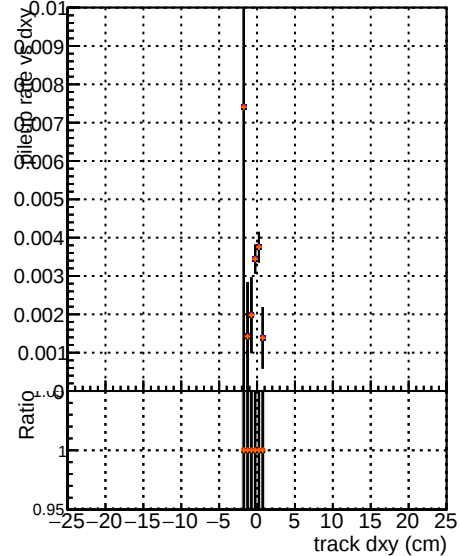
Fake rate vs dxy



Duplicates Rate vs Dxy



Pileup rate vs dxy



Model	Fake rate vs d
DGM mkFit TTbase	~0.58
DGM mkFit TTbaseRetrainOldFiles125_v2_prelimWP_epoch4	~0.55
DGM mkFit TTbaseRetrainOldFiles125_v2_prelimWP_epoch2 wSQCD	~0.52
DGM mkFit TTbaseRetrainOldFiles125_v2_prelimWP_epoch4	~0.50

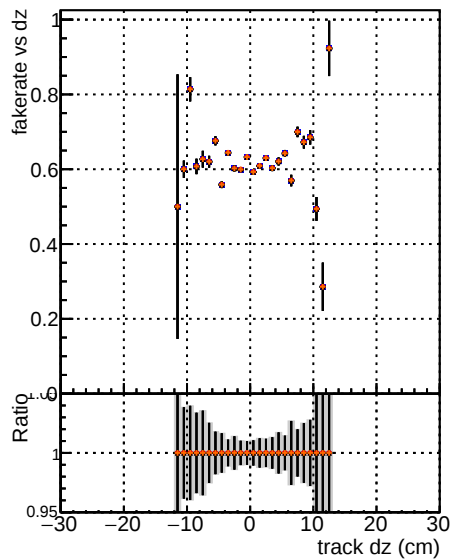


Figure 1 is a plot showing the ratio of the pile-up rate to the pile-up rate at zero track dz as a function of track dz . The x-axis is labeled "track dz (cm)" and ranges from -30 to 30. The y-axis is labeled "Ratio" and ranges from 0.95 to 0.02. The plot shows data points (red circles with error bars) and a horizontal line at Ratio = 1.0. A shaded region with vertical lines is present between track dz approximately -5 and 5, and Ratio approximately 0.95 and 1.0.