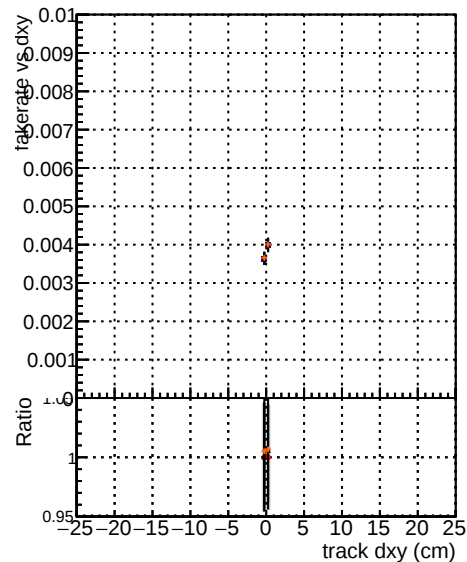
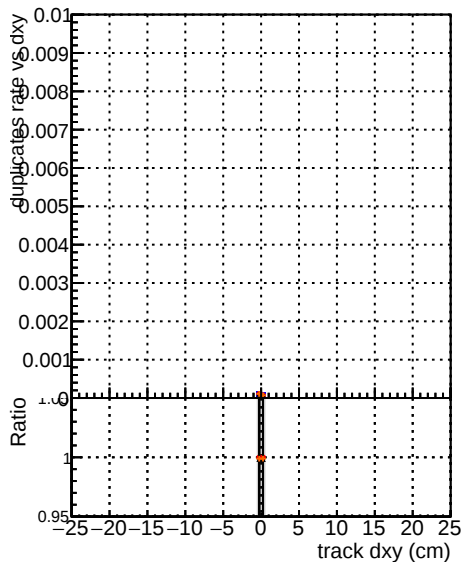


Fake rate vs dxy



Duplicates Rate vs Dxy



Pileup rate vs dxy

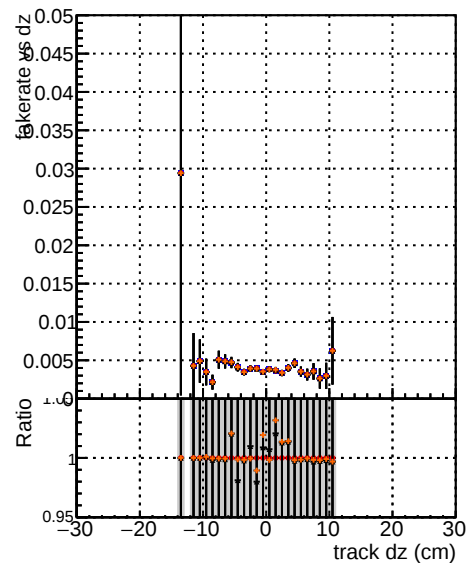
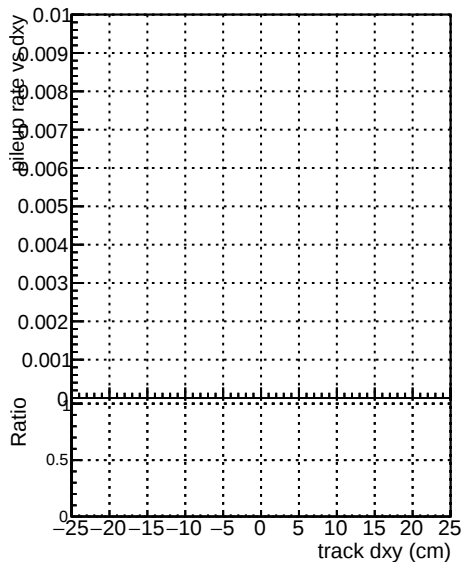


Figure 1 is a plot showing the ratio of the number of duplicates to the number of tracks as a function of the track distance dz . The x-axis is labeled "track dz (cm)" and ranges from -30 to 30. The y-axis is labeled "Ratio" and ranges from 0.95 to 0.05. The plot shows a series of data points (orange circles) with vertical error bars. The ratio is approximately 1.0 for dz values between -5 and 10 cm, and drops to about 0.02 at $dz = 12$ cm.