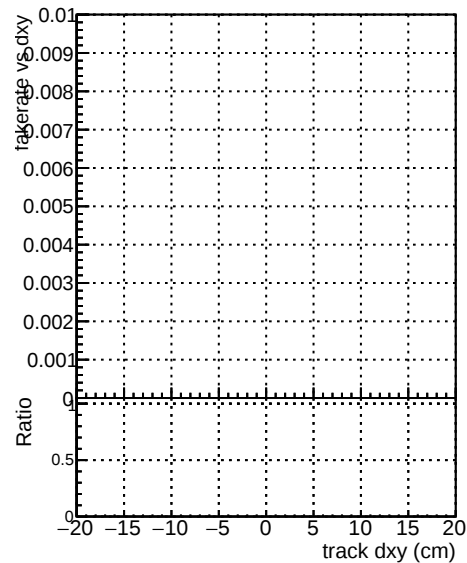
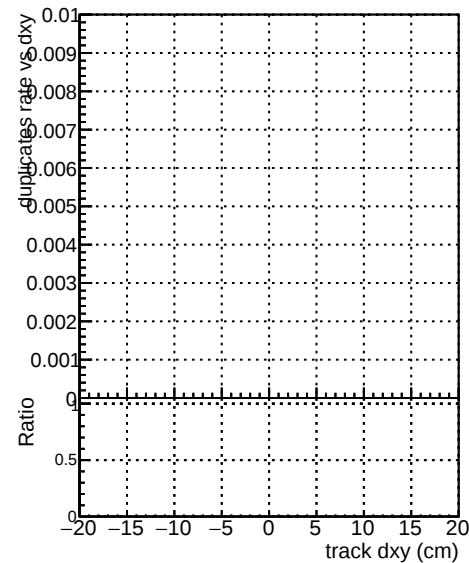


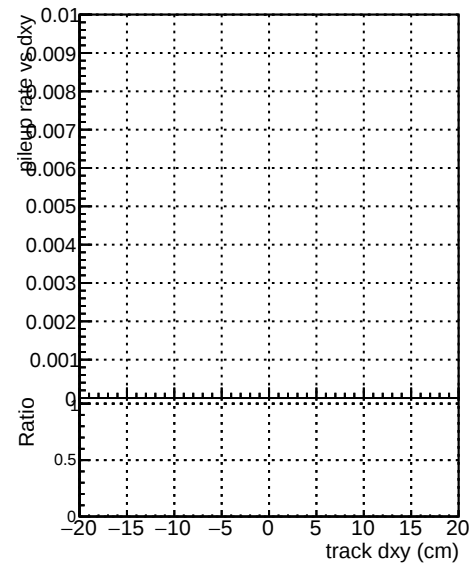
Fake rate vs dxy



Duplicates Rate vs Dxy



Pileup rate vs dxy



Fake rate vs d

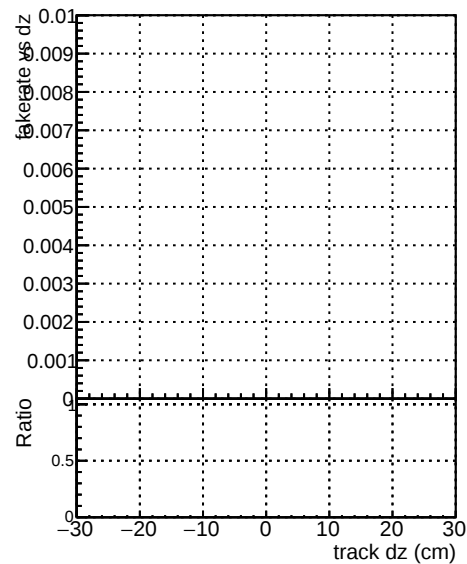


Figure 1 is a plot showing the ratio of duplicate rates versus track dz (cm). The y-axis is labeled "Ratio" and ranges from 0 to 0.01. The x-axis is labeled "track dz (cm)" and ranges from -30 to 30. The plot shows a horizontal line at a ratio of approximately 0.0005, with a small peak at $dz = 0$.