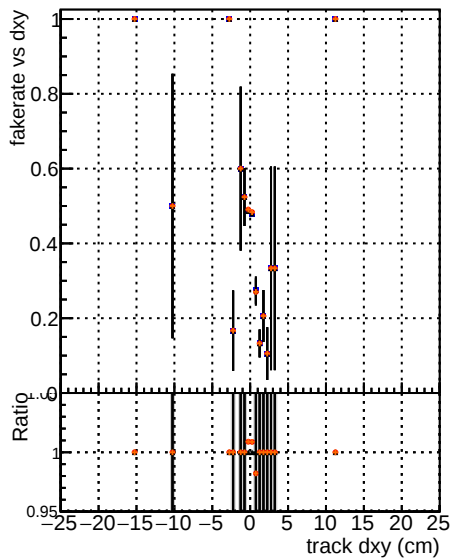
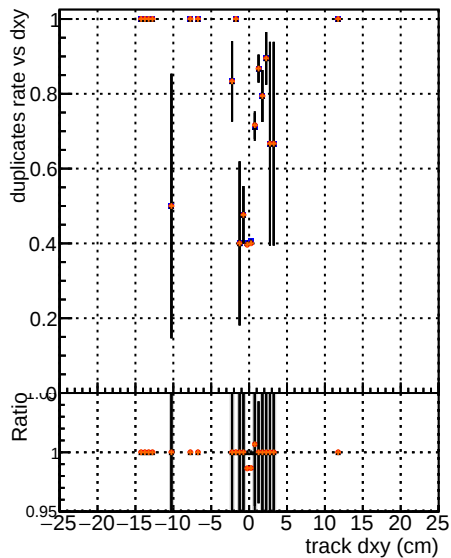


Fake rate vs dxy



Duplicates Rate vs Dxy



Pileup rate vs dxy

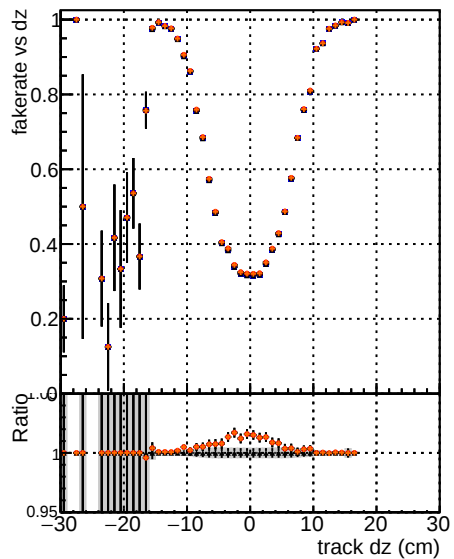
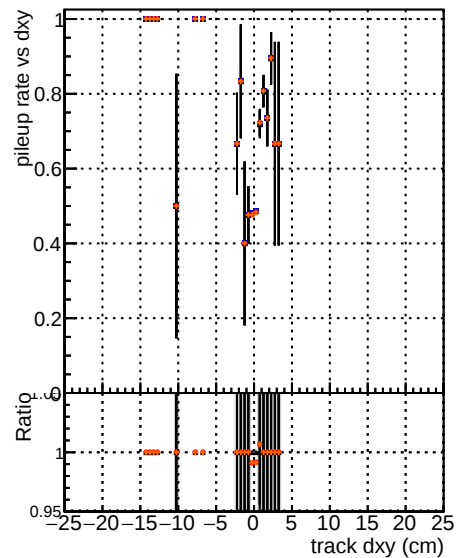


Figure 1 consists of two vertically stacked plots sharing a common x-axis labeled 'track dz (cm)' ranging from -30 to 30. The top plot's y-axis is 'pileup rate vs dz' ranging from 0 to 1. It shows two data series: red circles representing a 100% pileup scenario and blue squares representing a 50% pileup scenario. Both series show a peak in pileup rate around dz = 0, with the 100% pileup scenario reaching a higher peak rate of approximately 0.65 compared to the 50% pileup scenario's peak of approximately 0.6. The bottom plot's y-axis is 'Ratio' ranging from 0.95 to 1.05. It shows the ratio of the two scenarios, with red circles and blue squares both clustered around a ratio of 1.0. Vertical error bars are present for all data points in both panels.