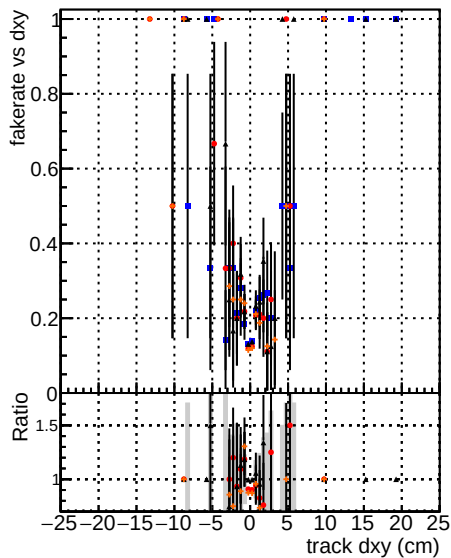
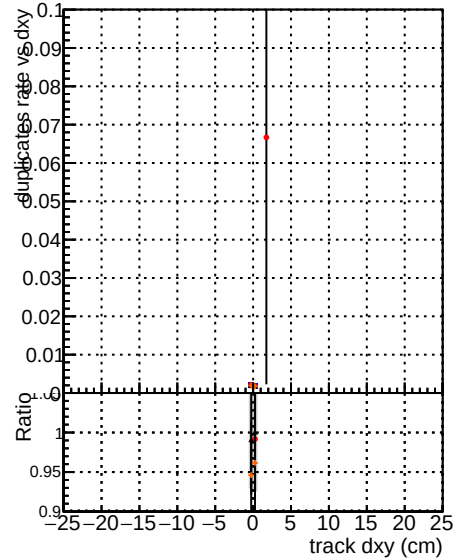


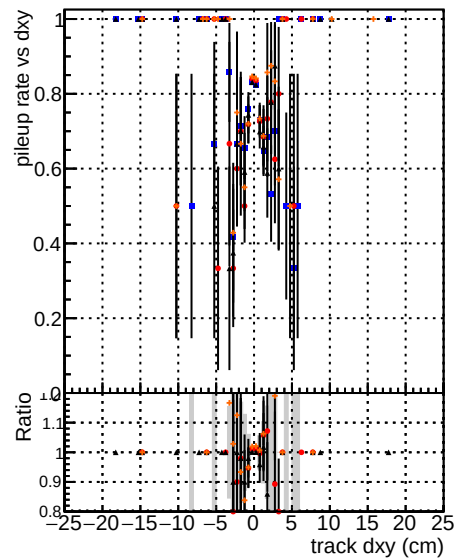
Fake rate vs dxy



Duplicates Rate vs Dxy



Pileup rate vs dxy



Fake rate vs d

Legend:

- DQM mkFit TTbase
- DQM mkFit TT RetrainOldFiles125_v2_prelimWP_5iter
- DQM mkFit TT baseline 6iter
- DQM mkFit TT Retrainv2 WP1 6iter

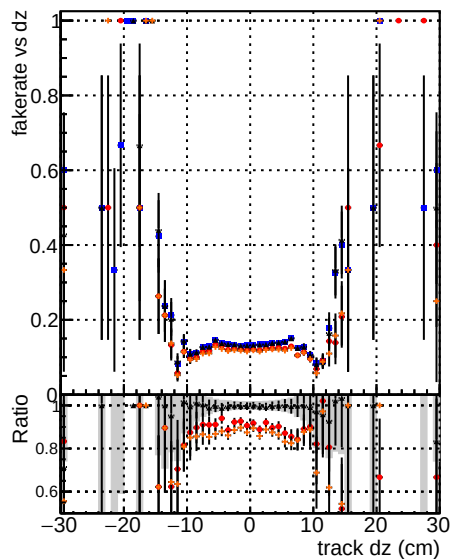


Figure 1 consists of two panels. The top panel shows the pileup rate vs dz (cm) from -30 to 30. The y-axis ranges from 0 to 1.0. The data points are shown with error bars, and a dashed line represents the expected behavior. The bottom panel shows the Ratio vs track dz (cm) from -30 to 30. The y-axis ranges from 1.0 to 1.3. The data points are shown with error bars, and a dashed line represents the expected behavior. Both panels show a significant increase in the pileup rate and ratio for dz values between -10 and 10 cm.