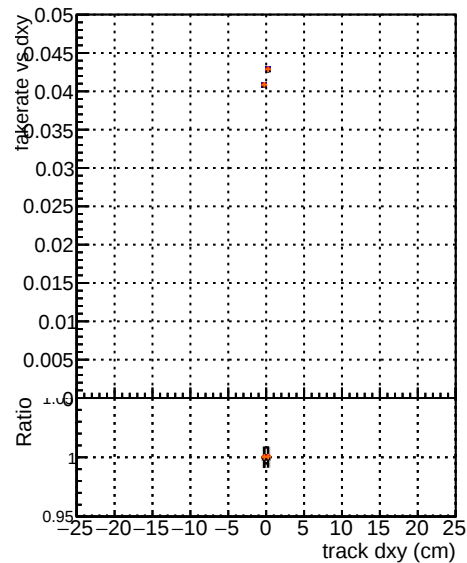
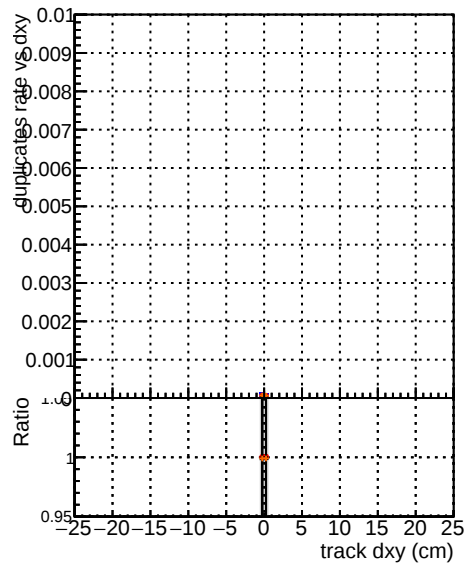


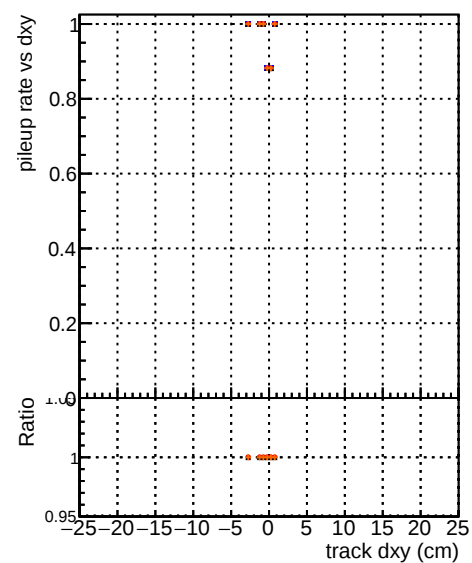
Fake rate vs dxy



Duplicates Rate vs Dxy



Pileup rate vs dxy



Fake rate vs d

DOM TT original, noPU
DOM TT parafitfrontMaxEffOnlyFB2_PU
DOM TT parafitfrontMaxHitOnlyFB2_PU
DOM TT parafitfrontMaxHitOnlyFB2_PU

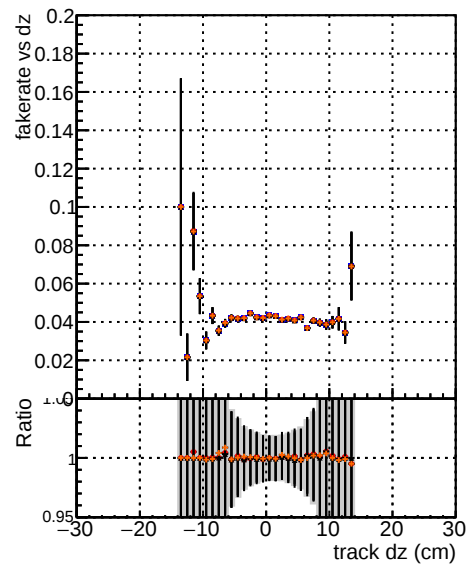


Figure 1 consists of two panels sharing a common x-axis labeled 'track dz (cm)' ranging from -30 to 30. The top panel shows the 'pileup rate vs dz' on the y-axis, ranging from 0.6 to 1.0. It displays black dots with vertical error bars representing the pileup rate, and red squares representing the ratio. The bottom panel shows the 'Ratio' on the y-axis, ranging from 0.95 to 1.05. It displays black dots with vertical error bars representing the ratio, and red squares representing the ratio. Both panels show a sharp increase in the pileup rate and a corresponding decrease in the ratio as track dz increases from negative to positive values.