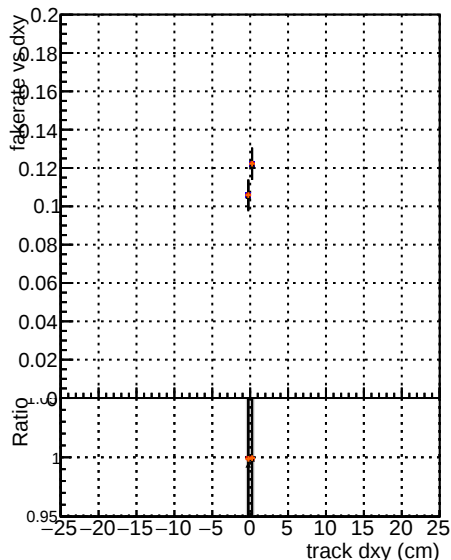
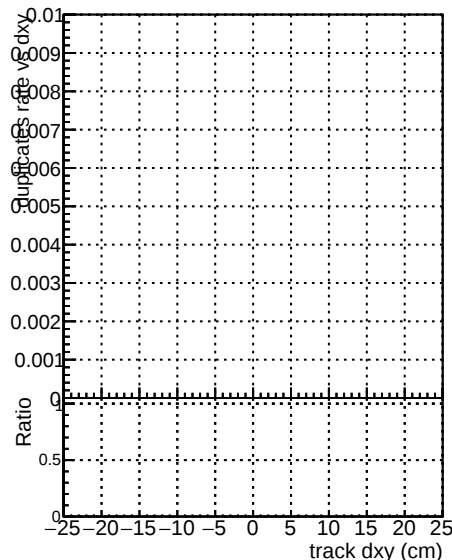


Fake rate vs dxy



Duplicates Rate vs Dxy



Pileup rate vs dxy

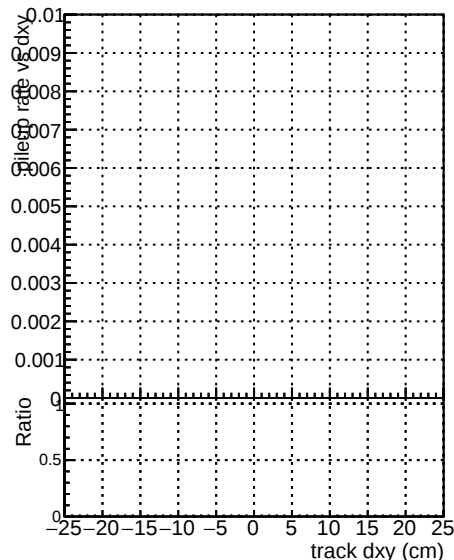
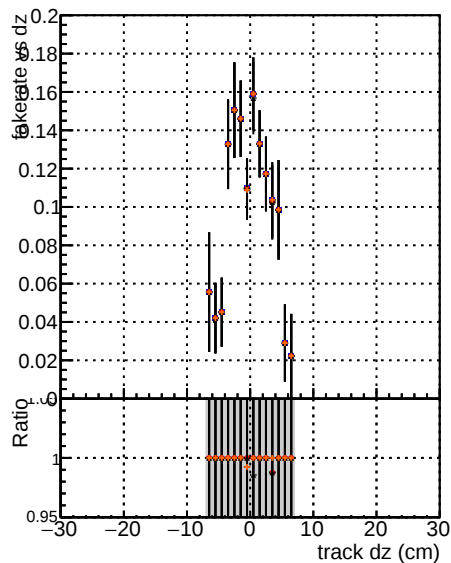


Figure 10: Fake rate vs d. The plot shows the fake rate as a function of d for three different methods: Global, mkFitOriginal, and mkFitNewData33. The plot is divided into three regions: DQM V00001, B0000000000001, and Global. The y-axis represents the Fake rate, and the x-axis represents d. The Global method shows a high fake rate, while mkFitOriginal and mkFitNewData33 show significantly lower fake rates.



```

graph TD
    A[mkFitOriginal] --> B[mkFitNewDet]
    B --> C[mkFitNewDet33]
    C --> D[mkFitNewDetNOF]
    A --- RECO1[RECO]
    B --- RECO2[RECO]
    C --- RECO3[RECO]
    D --- RECO4[RECO]
  
```

