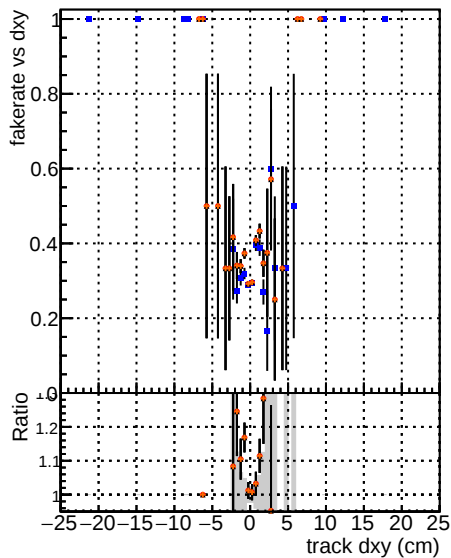
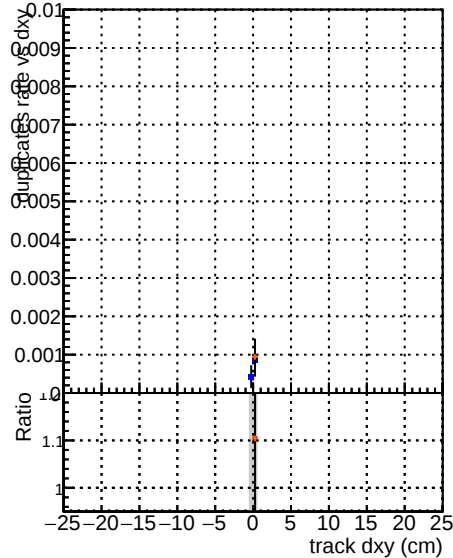


Fake rate vs dxy



Duplicates Rate vs Dxy



Pileup rate vs dxy

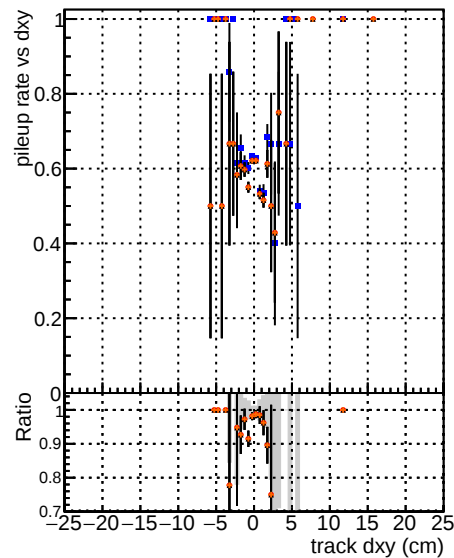


Figure 10: Fake rate vs d . The plot shows the fake rate for different models as a function of d . The models are: DGM, GKE, TThar, DGM-mkFit, TThar-PU-updated, DGM-mkFit-TThar-PU-updated-new, and PLDNN-2. The DGM-mkFit-TThar-PU-updated-new model shows the highest fake rate, increasing from approximately 0.2 at $d=0$ to 1.0 at $d=10$. The other models show much lower fake rates, generally below 0.2.

