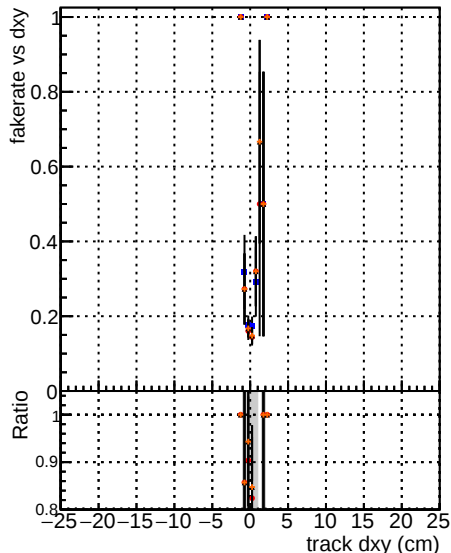


Fake rate vs dxy



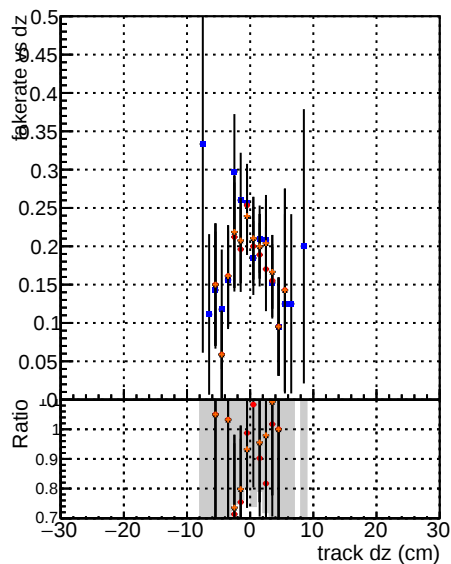
Duplicates Rate vs Dxy



Pileup rate vs dxy



Fake rate vs d



$\frac{1}{2} \times \frac{1}{2} = \frac{1}{4}$

