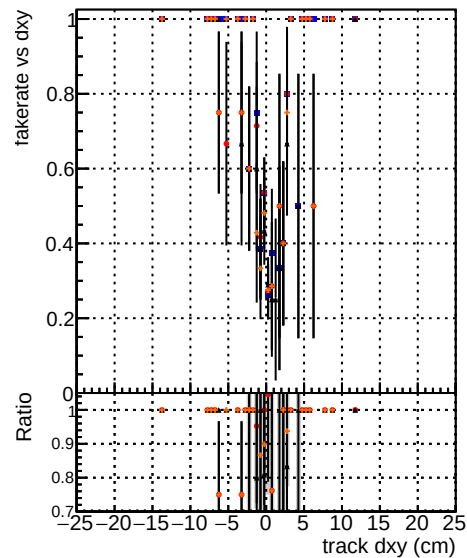
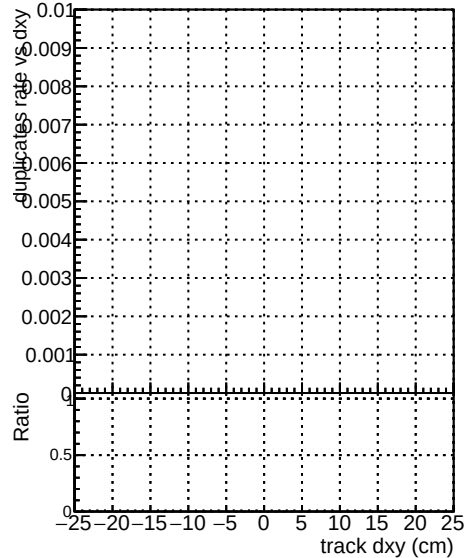


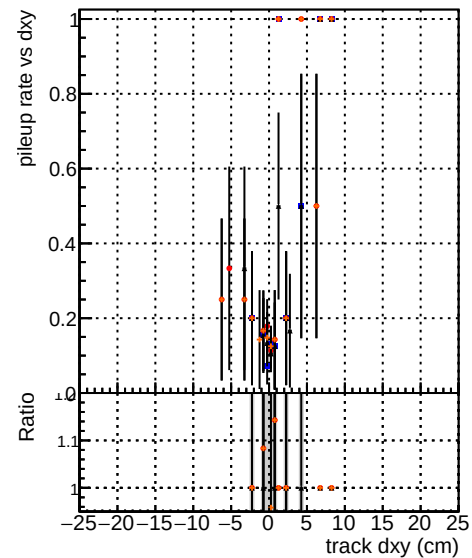
Fake rate vs dxy



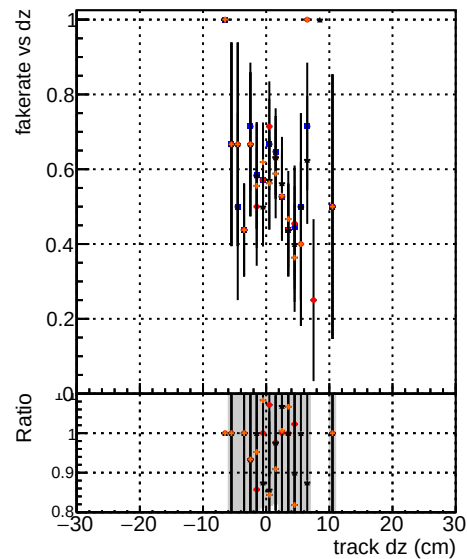
Duplicates Rate vs Dxy



Pileup rate vs dxy



Fake rate vs d


$$\frac{1}{\sqrt{2}} \begin{pmatrix} 1 & 1 \\ 1 & -1 \end{pmatrix} \begin{pmatrix} \sqrt{2} \\ 0 \end{pmatrix} = \begin{pmatrix} 1 \\ 1 \end{pmatrix}$$
