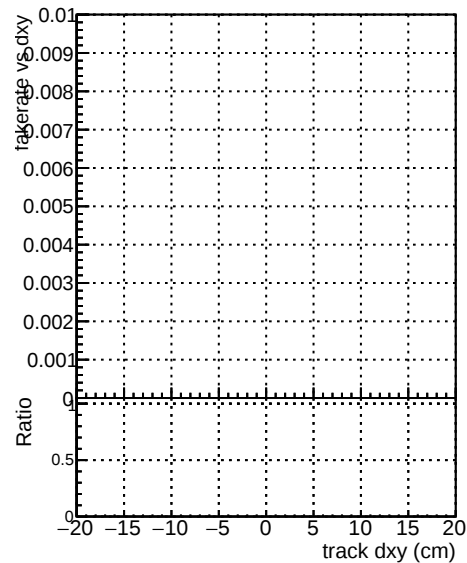
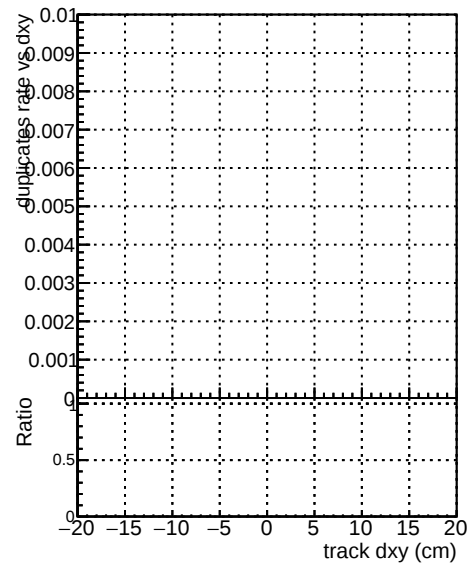


### Fake rate vs dxy



### Duplicates Rate vs Dxy



### Pileup rate vs dxy

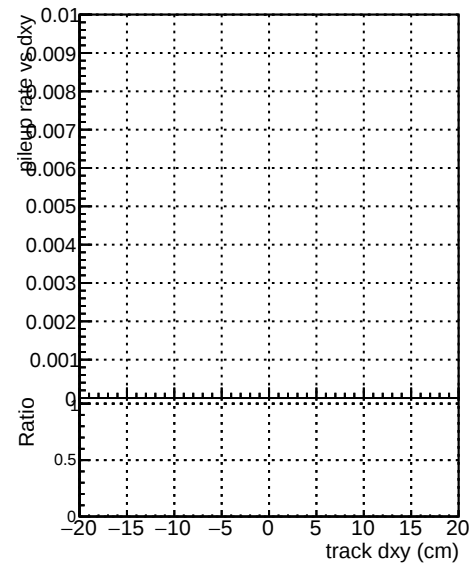


Figure 10: Fake rate vs d. The graph shows the fake rate (y-axis, 0 to 1) versus distance d (x-axis, 0 to 1). The original step2 (blue line with circles) shows a sharp increase in fake rate as d increases, while the pixelCPE Generic Step2 (orange line with circles) shows a much lower and more stable fake rate.

### Fake rate vs d

