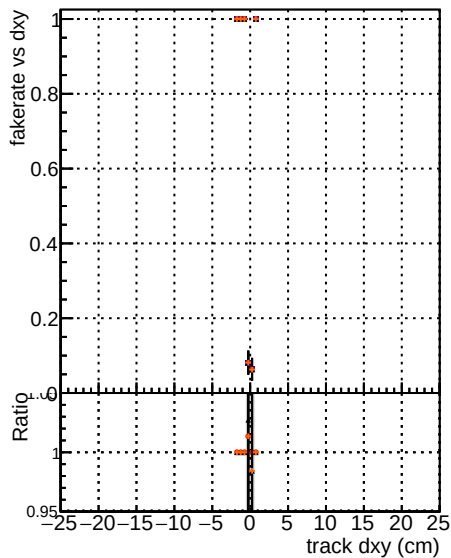
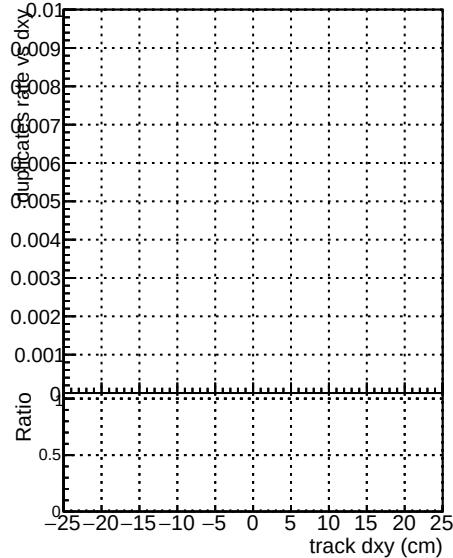


Fake rate vs dxy



Duplicates Rate vs Dxy



Pileup rate vs dxy

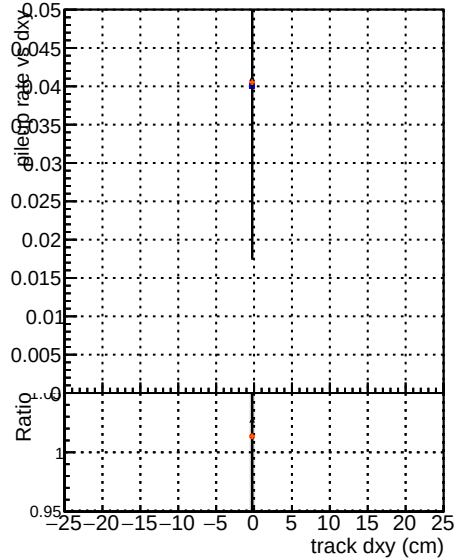
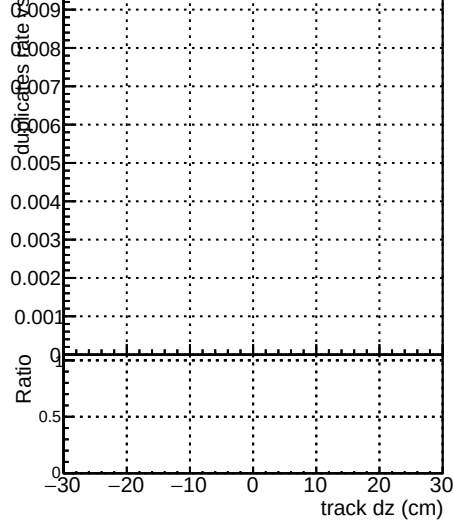
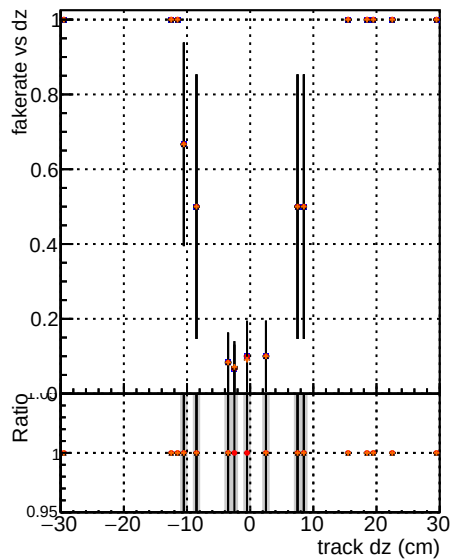


Figure 1: Fake rate vs d . The figure shows two bar charts. The left chart is for 'trainOldFiles125 v2' and the right chart is for 'trainOldFiles125 v2 prelimWP_epoch4'. Both charts show the fake rate (y-axis, 0 to 1) versus d (x-axis, 0 to 1). The legend indicates: DOM (black), mkr (red), 5 TT (blue), 6 TT (green), baseline (grey), and wSQCD (orange). The baseline is a horizontal line at $d=0.5$. The wSQCD method shows a sharp increase in fake rate as d increases, reaching 1.0 at $d=1.0$. The other methods show a more gradual increase.



Year	dz
1996	0.15
1997	0.18
1998	0.20
1999	0.22
2000	0.25
2001	0.28
2002	0.25
2003	0.22
2004	0.20
2005	0.22
2006	0.25
2007	0.28
2008	0.25
2009	0.22
2010	0.20
2011	0.22
2012	0.25
2013	0.28
2014	0.25
2015	0.22
2016	0.20

