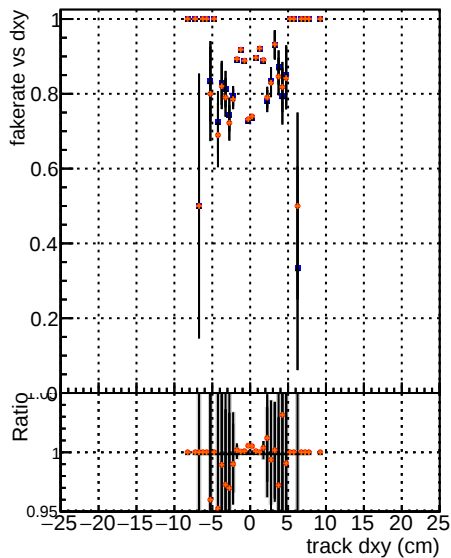
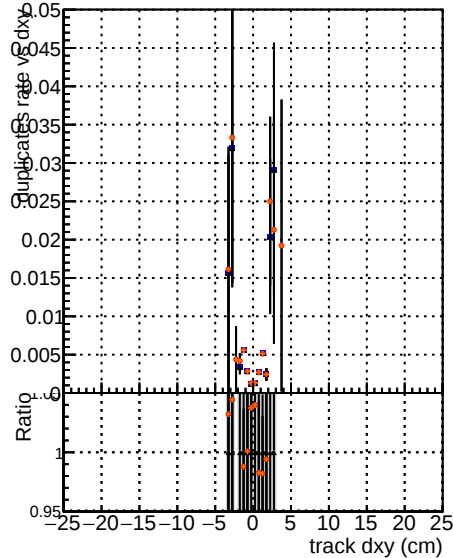


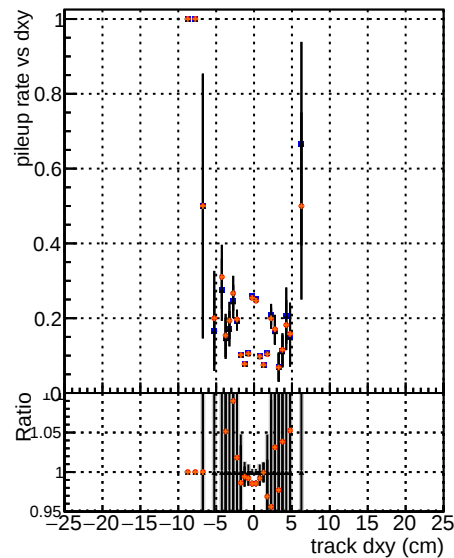
Fake rate vs dxy



Duplicates Rate vs Dxy



Pileup rate vs dxy



Fake rate vs d

d	DGM Told-lowpt	mkt Told-lowpt	Fitt Told-lowpt	DGM Told-highpt	mkt Told-highpt	Fitt Told-highpt	DGM Ttrain-lowpt	mkt Ttrain-lowpt	Fitt Ttrain-lowpt	DGM Ttrain-highpt	mkt Ttrain-highpt	Fitt Ttrain-highpt	DGM TNEWdefault	mkt TNEWdefault	Fitt TNEWdefault
0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.1	0.05	0.02	0.01	0.05	0.02	0.01	0.05	0.02	0.01	0.05	0.02	0.01	0.05	0.02	0.01
0.2	0.10	0.04	0.02	0.10	0.04	0.02	0.10	0.04	0.02	0.10	0.04	0.02	0.10	0.04	0.02
0.3	0.15	0.06	0.03	0.15	0.06	0.03	0.15	0.06	0.03	0.15	0.06	0.03	0.15	0.06	0.03
0.4	0.20	0.08	0.04	0.20	0.08	0.04	0.20	0.08	0.04	0.20	0.08	0.04	0.20	0.08	0.04
0.5	0.25	0.10	0.05	0.25	0.10	0.05	0.25	0.10	0.05	0.25	0.10	0.05	0.25	0.10	0.05
0.6	0.30	0.12	0.06	0.30	0.12	0.06	0.30	0.12	0.06	0.30	0.12	0.06	0.30	0.12	0.06
0.7	0.35	0.14	0.07	0.35	0.14	0.07	0.35	0.14	0.07	0.35	0.14	0.07	0.35	0.14	0.07
0.8	0.40	0.16	0.08	0.40	0.16	0.08	0.40	0.16	0.08	0.40	0.16	0.08	0.40	0.16	0.08
0.9	0.45	0.18	0.09	0.45	0.18	0.09	0.45	0.18	0.09	0.45	0.18	0.09	0.45	0.18	0.09
1.0	0.50	0.20	0.10	0.50	0.20	0.10	0.50	0.20	0.10	0.50	0.20	0.10	0.50	0.20	0.10

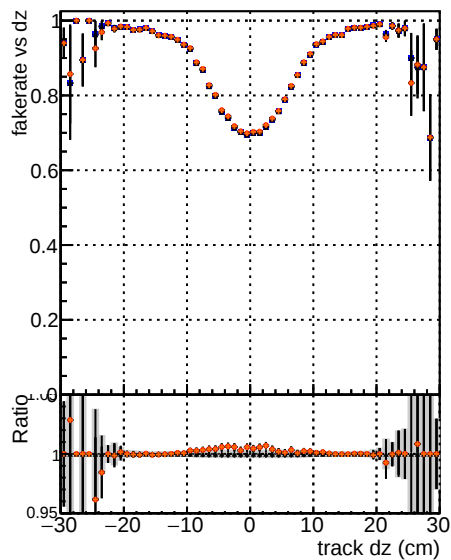


Figure 1 consists of two panels. The top panel is a plot of the ratio of tracks with a given dz to the total number of tracks, as a function of track dz (cm). The y-axis is labeled 'Ratio' and ranges from 0.95 to 0.01 on a logarithmic scale. The x-axis is labeled 'track dz (cm)' and ranges from -30 to 30. Data points are shown as black circles with vertical error bars. The ratio is relatively flat around 0.003 for dz between -15 and 15 cm, with a slight dip around 0 cm. There are two prominent vertical lines at approximately $dz = 21$ cm and $dz = 22$ cm, where the ratio drops sharply to near zero. The bottom panel is a similar plot, but the y-axis ranges from 0.95 to 1.0. The data points are shown as black circles with vertical error bars. The ratio is relatively flat around 1.0 for dz between -15 and 15 cm, with a slight dip around 0 cm. There are two prominent vertical lines at approximately $dz = 21$ cm and $dz = 22$ cm, where the ratio drops sharply to near zero.

