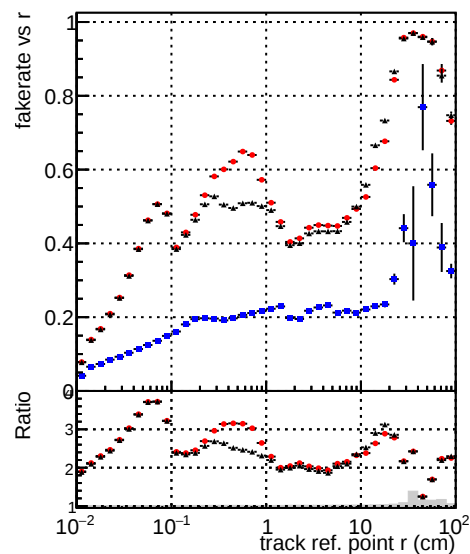
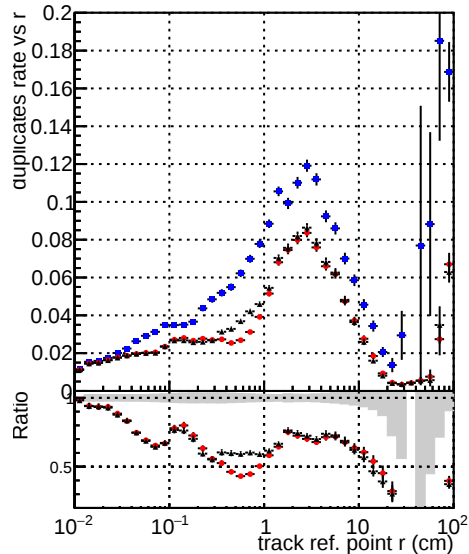


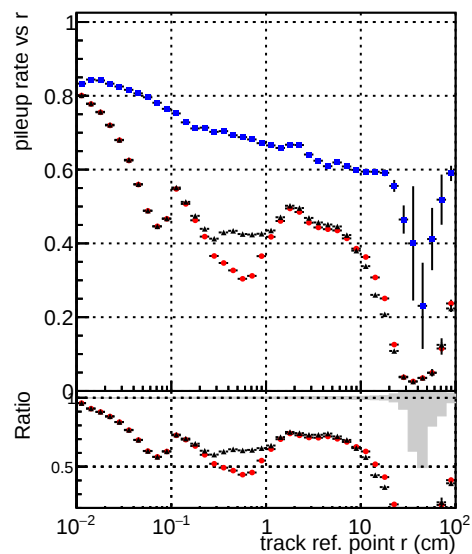
Fake rate vs vertpos



Duplicates Rate vs vertpos



Pileup rate vs vertpos



Fake rate vs p_T

p_T (GeV)	DQMstep3 TT CKF	DQMstep3 TT CKF-t00	DQMstep3 TT CKF-t01
0	0.018	0.015	0.022
10	0.015	0.012	0.018
20	0.012	0.010	0.015
30	0.010	0.008	0.012
40	0.008	0.006	0.010
50	0.006	0.005	0.008
60	0.005	0.004	0.007
70	0.004	0.003	0.006
80	0.003	0.002	0.005
90	0.002	0.001	0.004
100	0.001	0.001	0.003

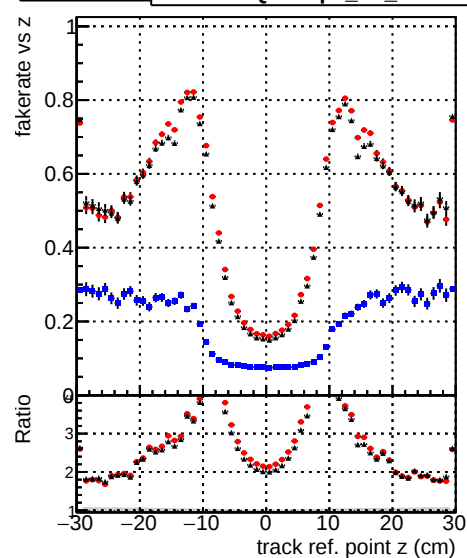
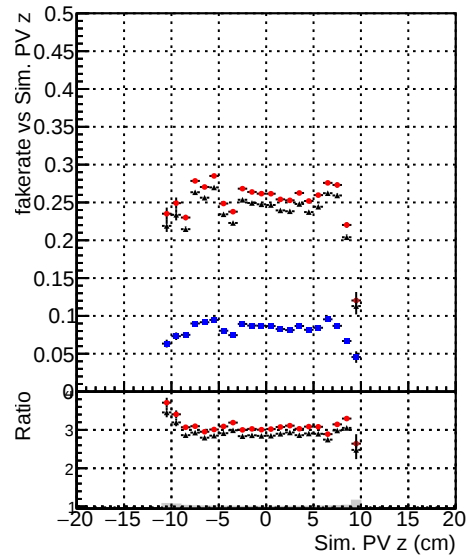
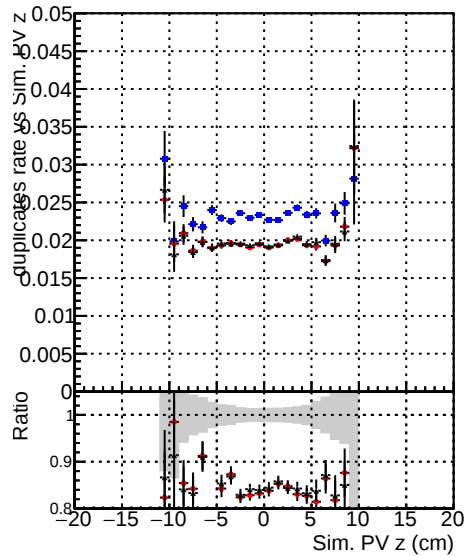


Figure 1 consists of two panels. The top panel shows the ratio of duplicate rates versus track reference point z (cm). The y-axis is labeled 'duplicates rate vs z' and ranges from 0 to 0.2. The x-axis is labeled 'track ref. point z (cm)' and ranges from -30 to 30. Two data series are plotted: blue squares and black crosses. Both series show a minimum ratio around $z = 0$ cm. The blue squares generally show a higher ratio than the black crosses for $|z| > 10$ cm. The bottom panel shows the ratio of duplicate rates versus track reference point z (cm). The y-axis is labeled 'Ratio' and ranges from 0 to 0.5. The x-axis is labeled 'track ref. point z (cm)' and ranges from -30 to 30. Two data series are plotted: red stars and black crosses. Both series show a minimum ratio around $z = 0$ cm. The red stars generally show a higher ratio than the black crosses for $|z| > 10$ cm.

Fake rate vs. sim PV z



Duplicates Rate vs sim PV z



Pileup rate vs. sim PV z

