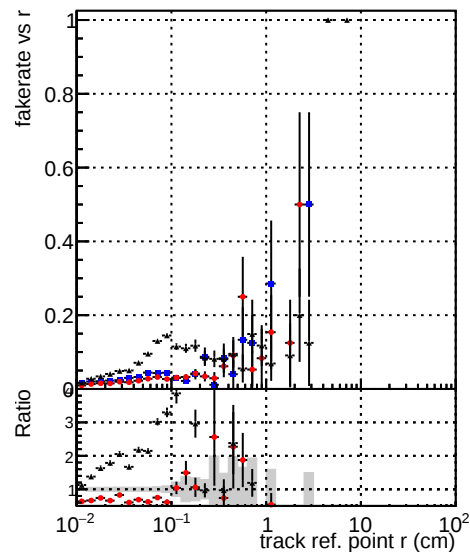
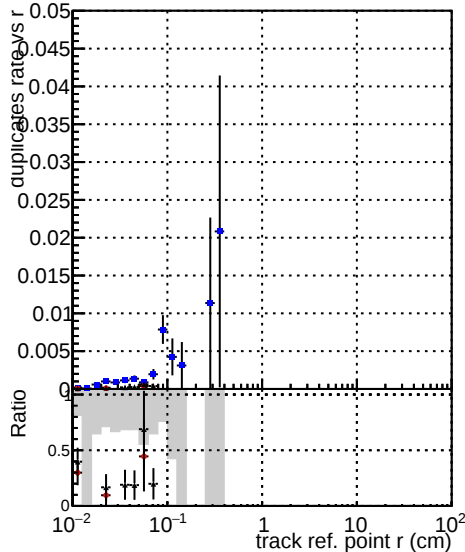


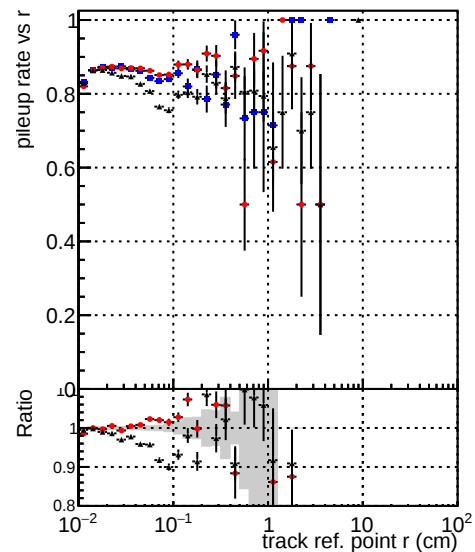
**Fake rate vs vertpos**



**Duplicates Rate vs vertpos**



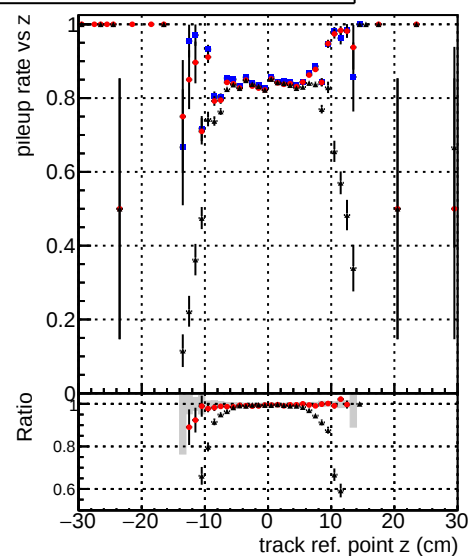
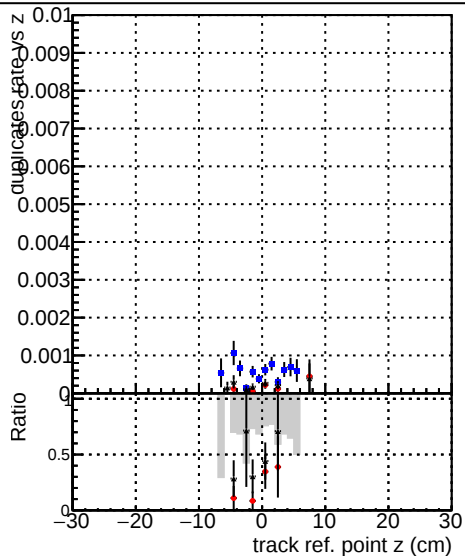
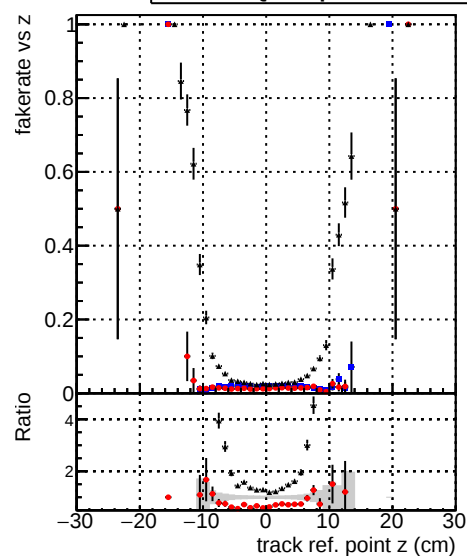
**Pileup rate vs vertpos**



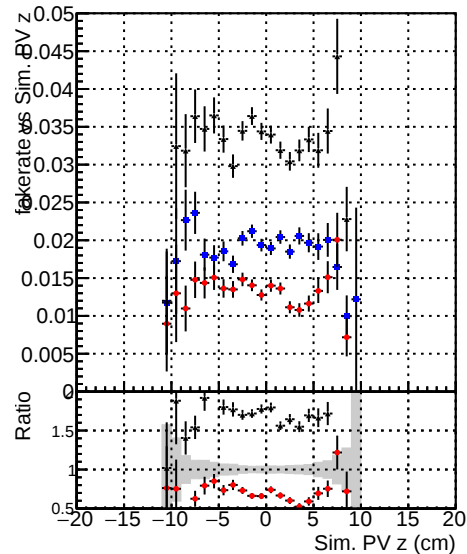
**Fake rate vs v**

Legend:

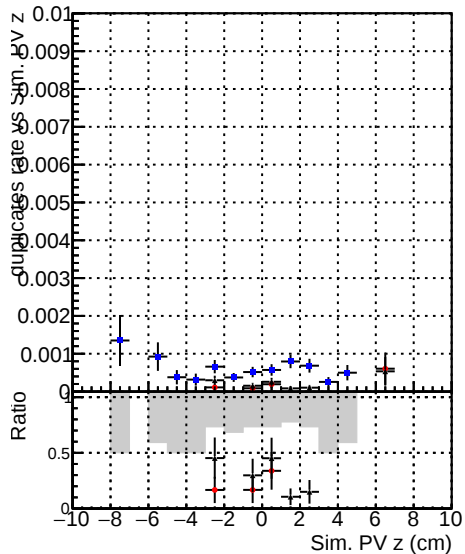
- DOMstep3 TT CKF (blue circles)
- DOMstep3 TT default (red circles)
- DOMstep3 TT defaultNEWT3 (black circles)



**Fake rate vs. sim PV z**



**Duplicates Rate vs sim PV z**



**Pileup rate vs. sim PV z**

