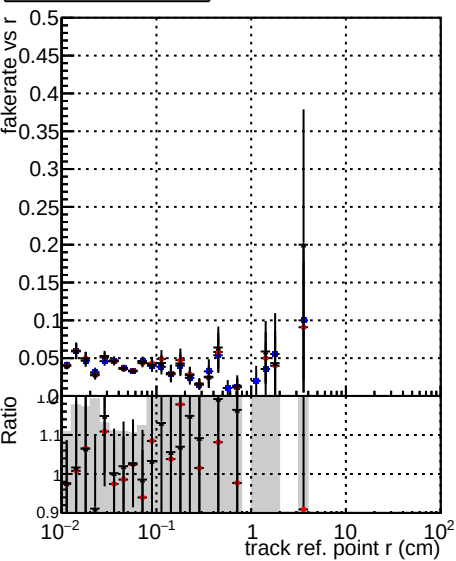
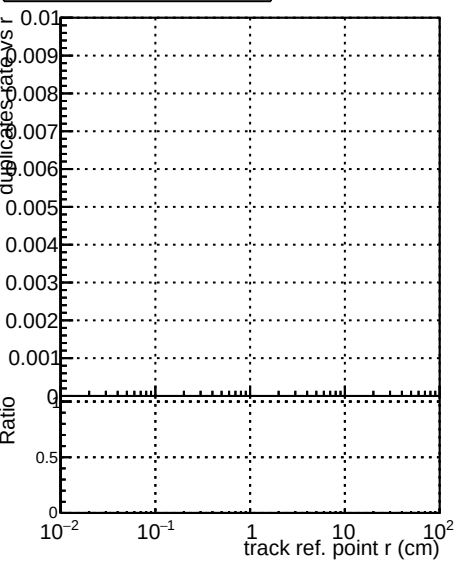


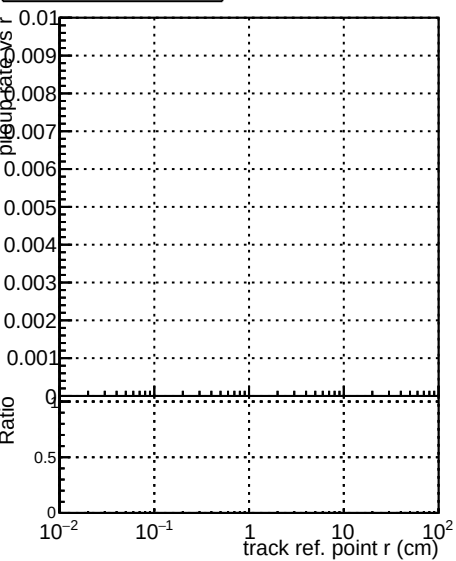
**Fake rate vs vertpos**



**Duplicates Rate vs vertpos**



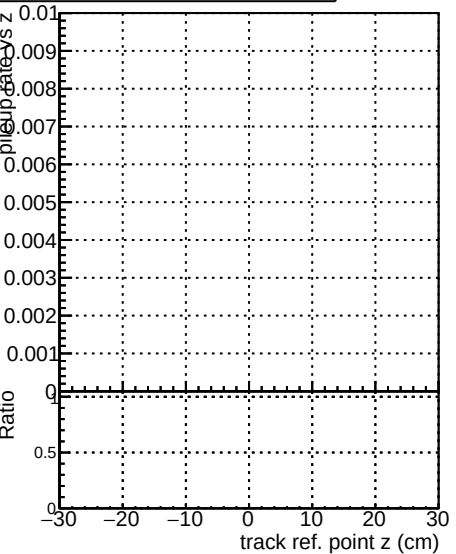
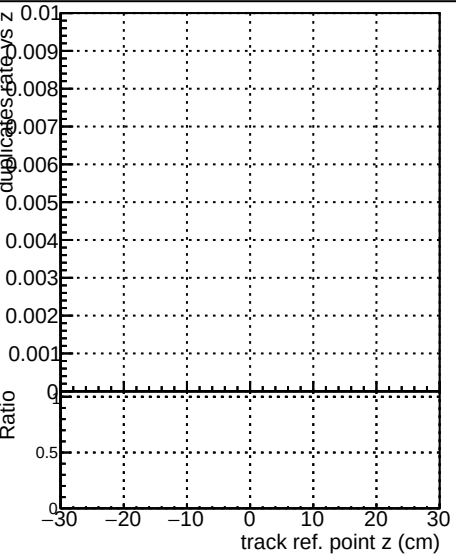
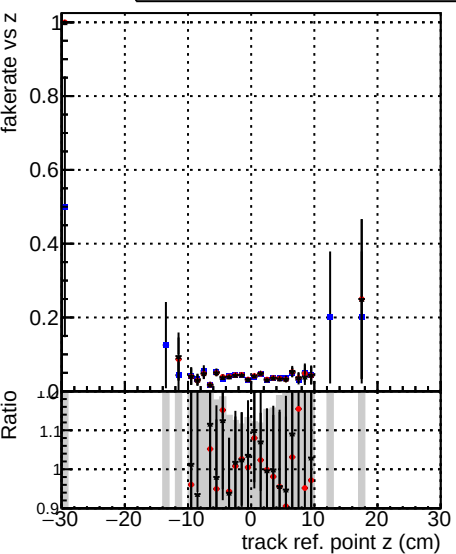
**Pileup rate vs vertpos**



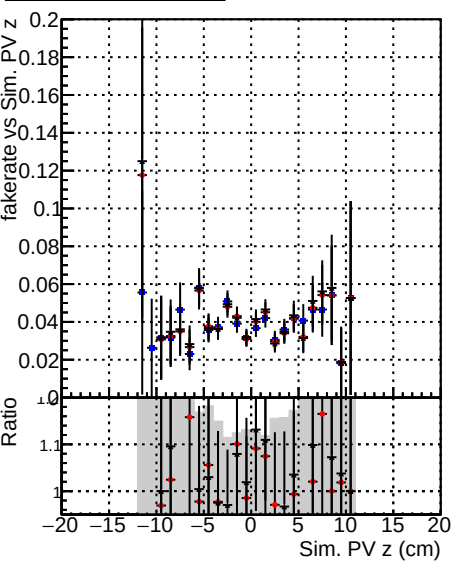
**Fake rate vs v**

Legend:

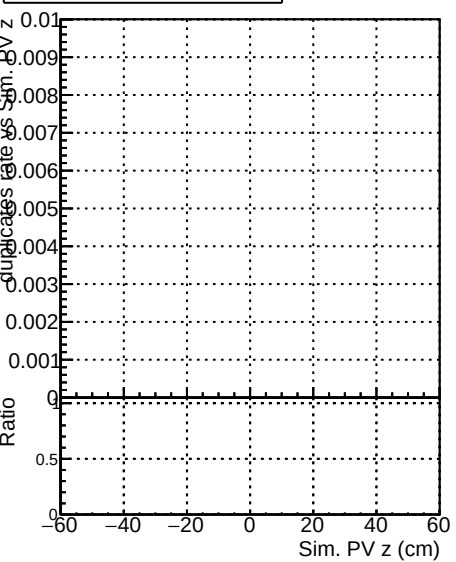
- DQM\_XiMinus\_original\_lowpt (blue circles)
- DQM\_XiMinus\_newbranch\_lowpt\_pLess (red circles)
- DQM\_XiMinus\_newbranch\_lowpt\_pLessMVACand (black circles)



**Fake rate vs. sim PV z**



**Duplicates Rate vs sim PV z**



**Pileup rate vs. sim PV z**

