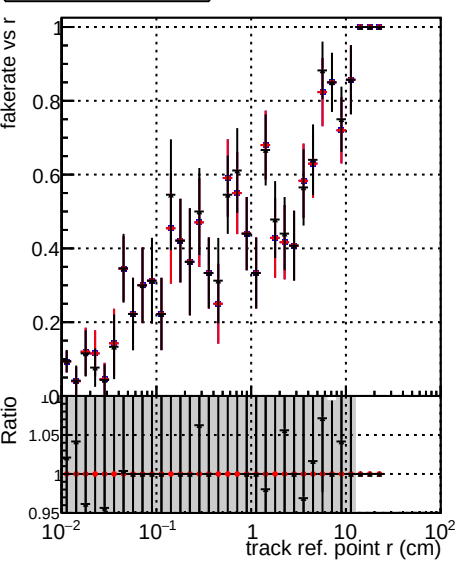
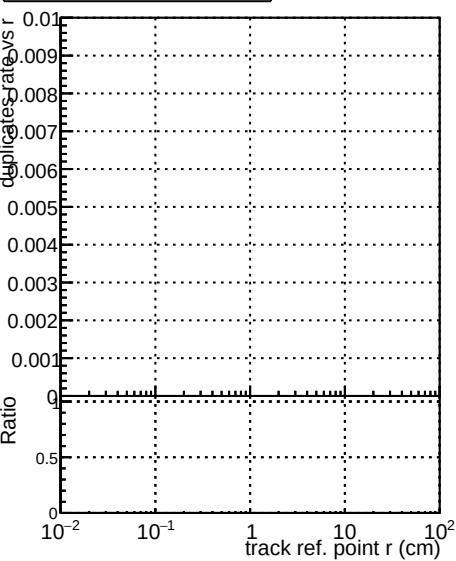


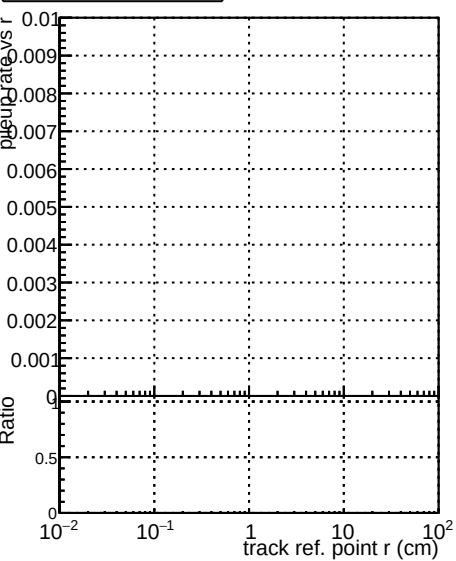
**Fake rate vs vertpos**



**Duplicates Rate vs vertpos**



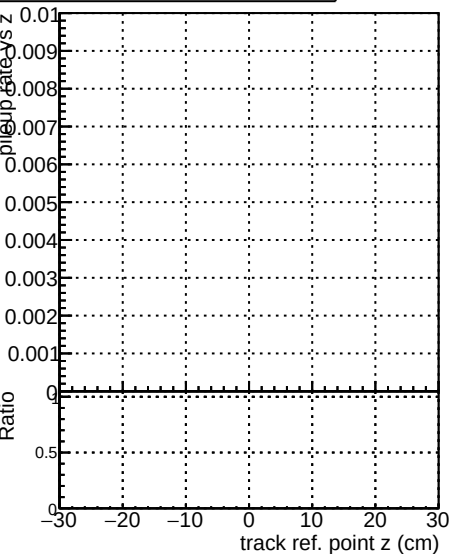
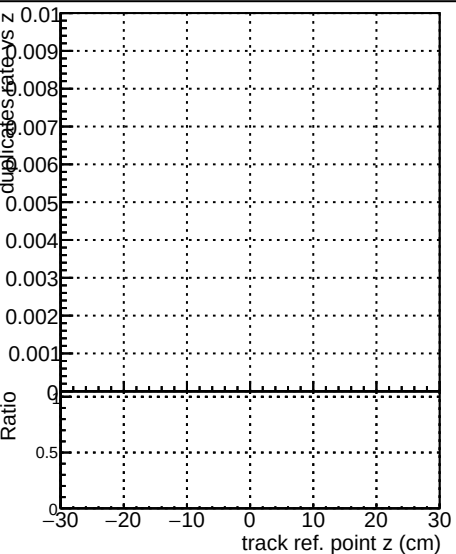
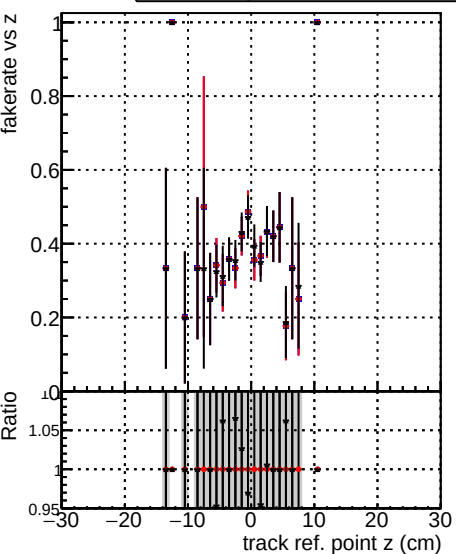
**Pileup rate vs vertpos**



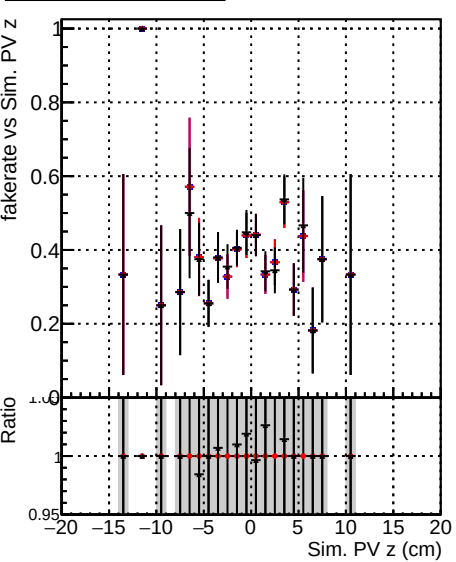
**Fake rate vs v**

Legend:

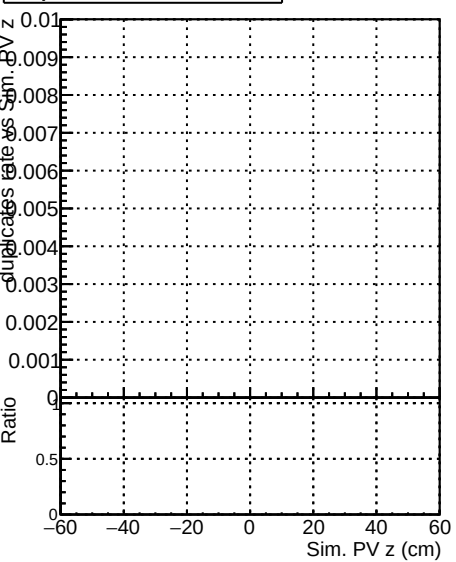
- DQM original originalvector\_1000evt
- DQM original 1000evt
- DQM fitted4 1000evt



**Fake rate vs. sim PV z**



**Duplicates Rate vs sim PV z**



**Pileup rate vs. sim PV z**

