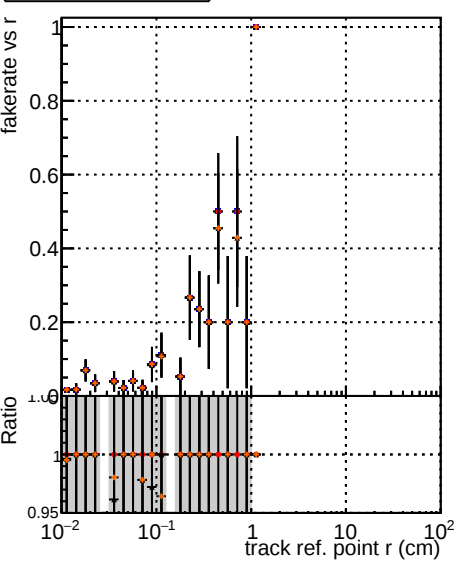
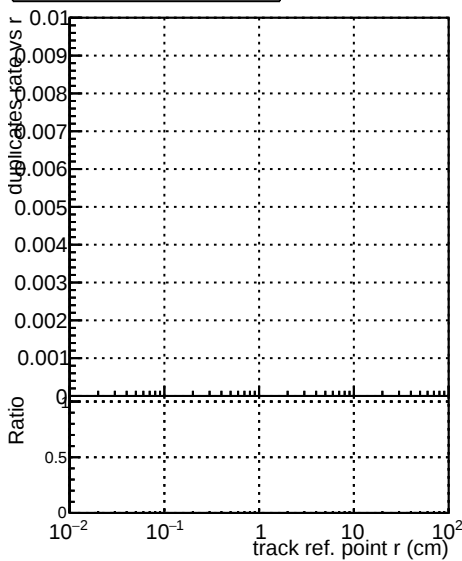


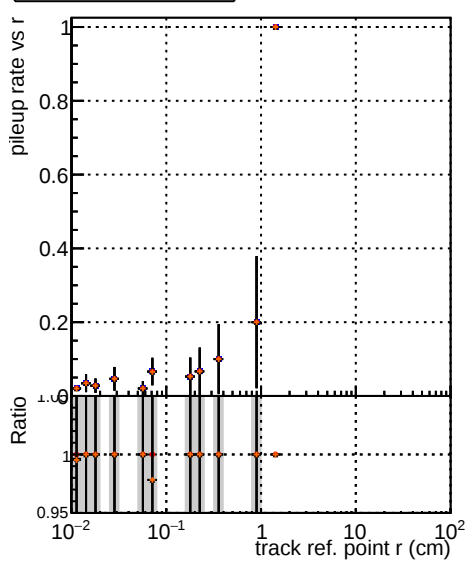
**Fake rate vs vertpos**



**Duplicates Rate vs vertpos**



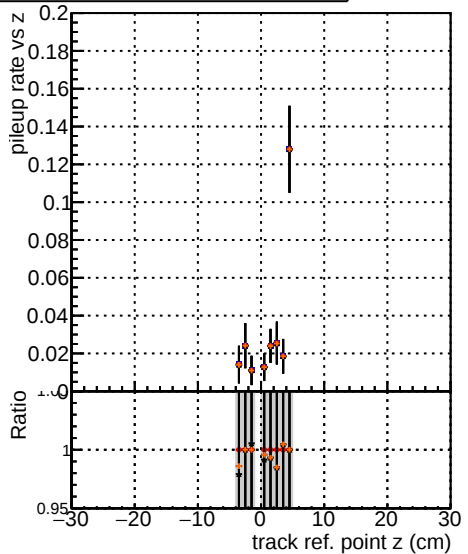
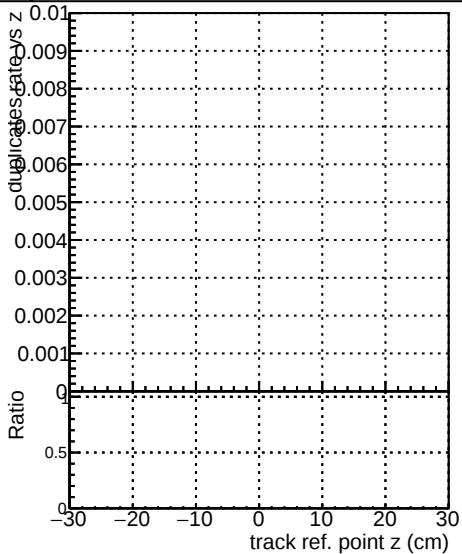
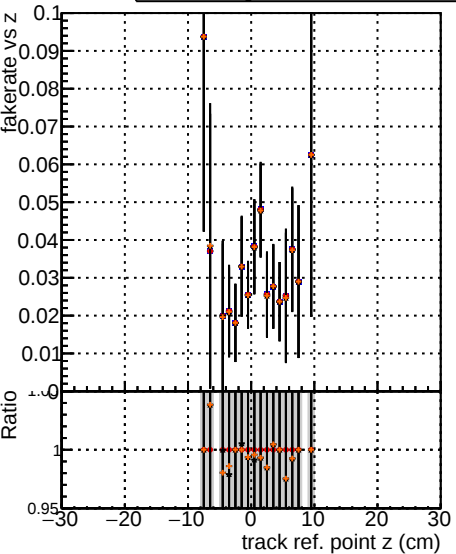
**Pileup rate vs vertpos**



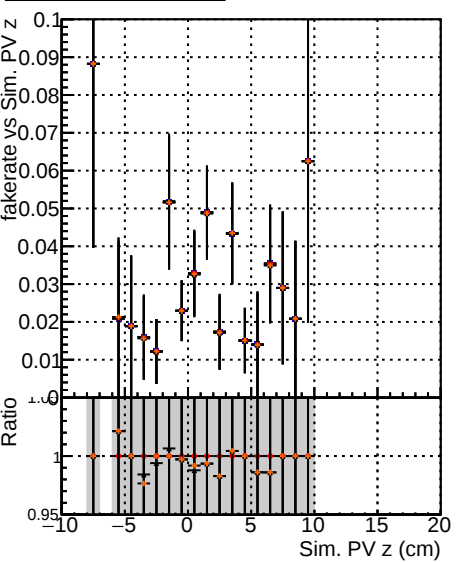
**Fake rate vs v**

Legend:

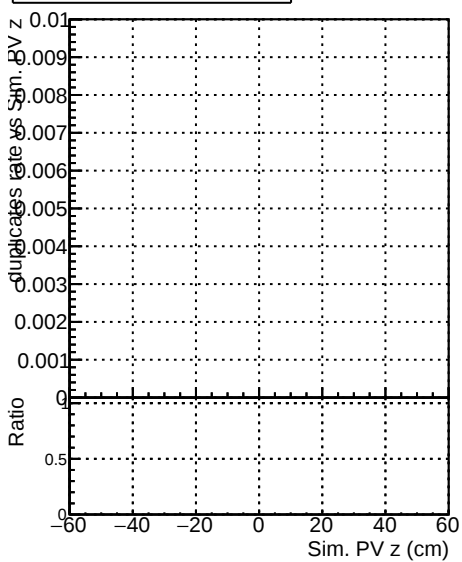
- DOM original lowpt (black square)
- DOM newbranch lowpt (red circle)
- DOM original lowpt pLess (blue triangle)
- DOM newbranch lowpt pLess (orange diamond)



**Fake rate vs. sim PV z**



**Duplicates Rate vs sim PV z**



**Pileup rate vs. sim PV z**

