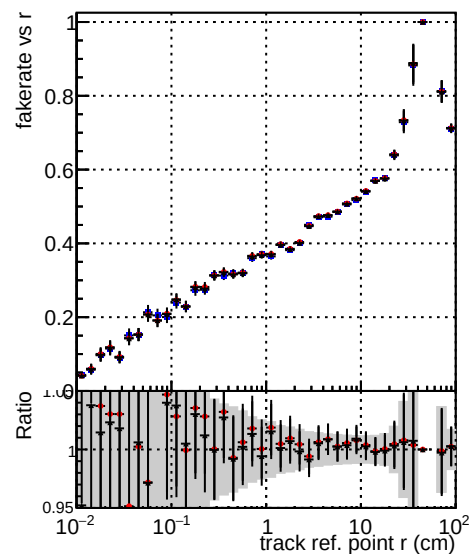
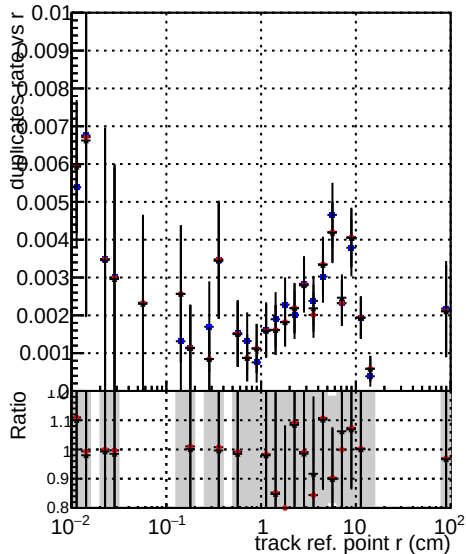


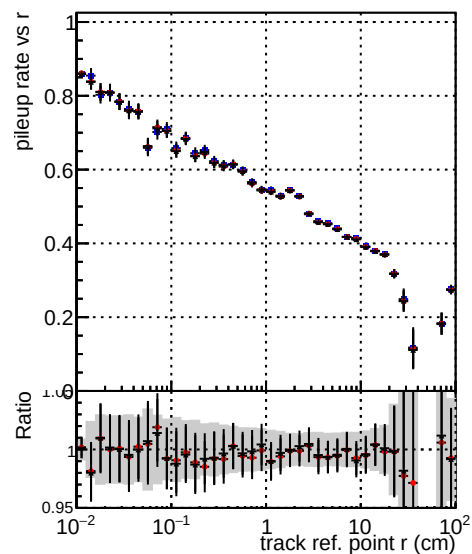
## Fake rate vs vertpos



### Duplicates Rate vs vertpos

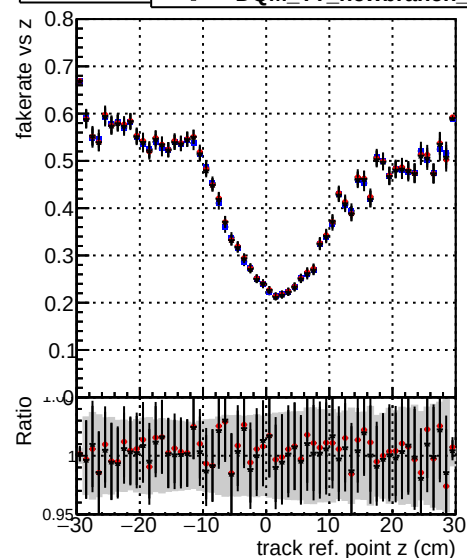


### Pileup rate vs vertpos

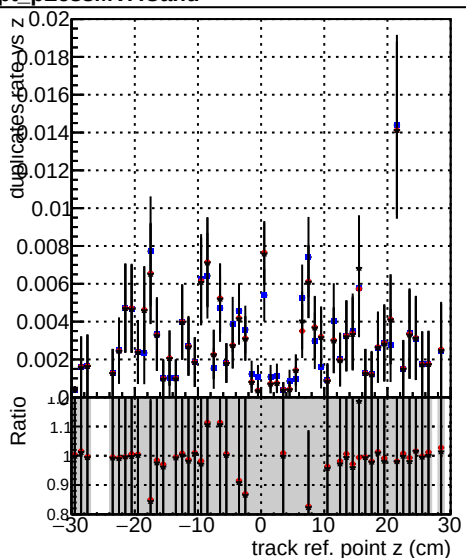


Fake rate vs  $\sqrt{s}$

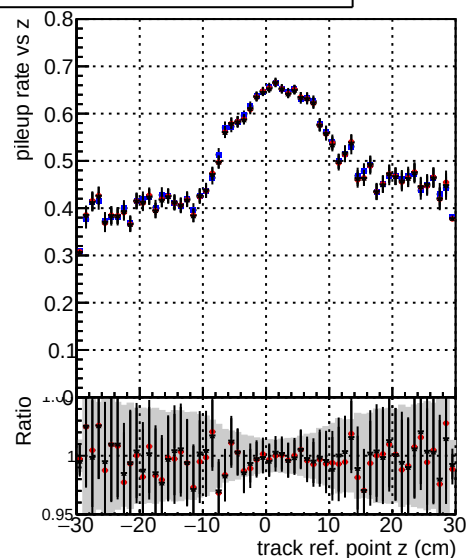
- DQM TT original\_lowpt
- DQM TT newbranch\_lowpt\_pLess
- DQM TT newbranch\_lowpt\_pLessMVACand



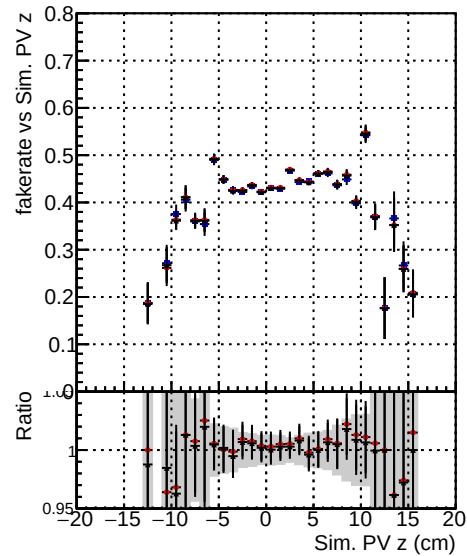
pt\_pLess  
pt\_pLessMVACand



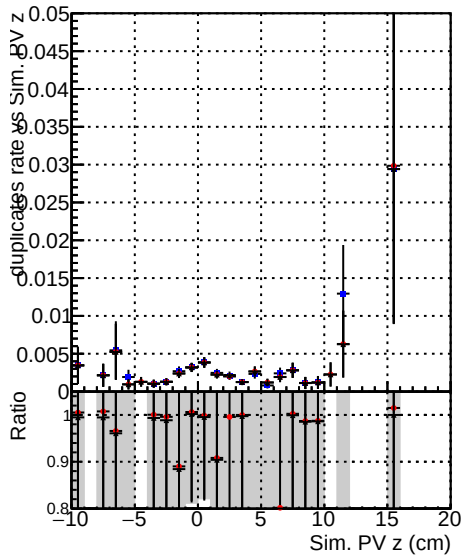
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**Fake rate vs. sim PV z**



### Duplicates Rate vs sim PV z



### Pileup rate vs. sim PV z

