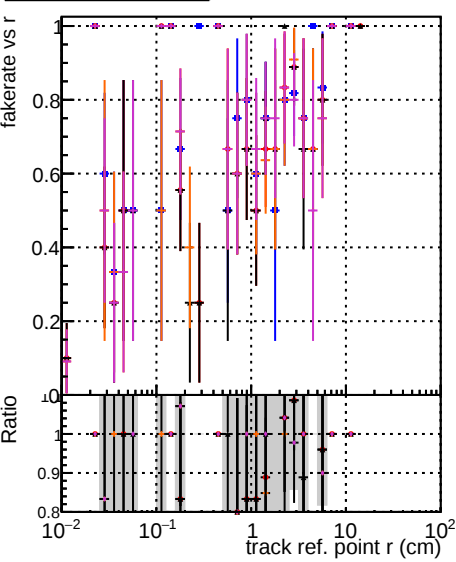


**Fake rate vs vertpos**



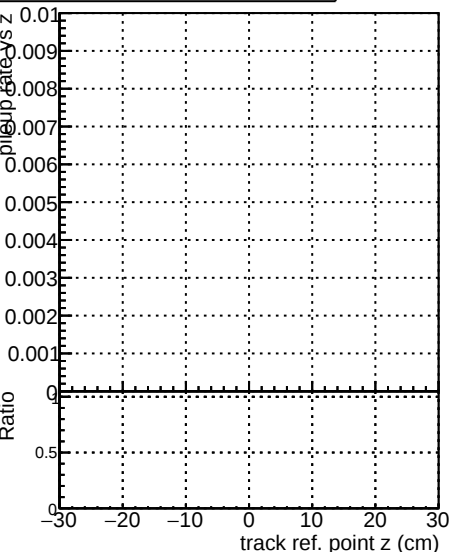
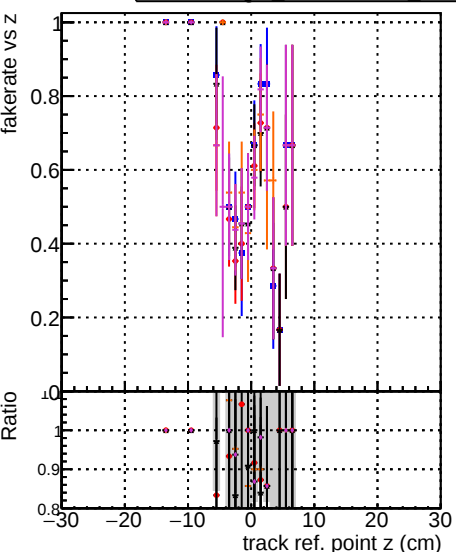
**Duplicates Rate vs vertpos**



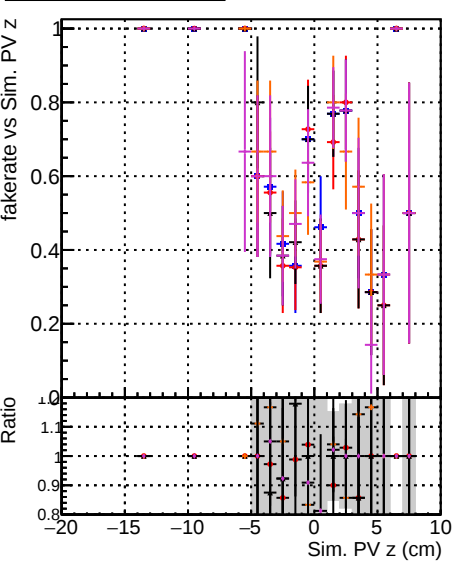
**Pileup rate vs vertpos**



**Fake rate vs track ref. point r (cm)**



**Fake rate vs. sim PV z**



**Duplicates Rate vs sim PV z**



**Pileup rate vs. sim PV z**

