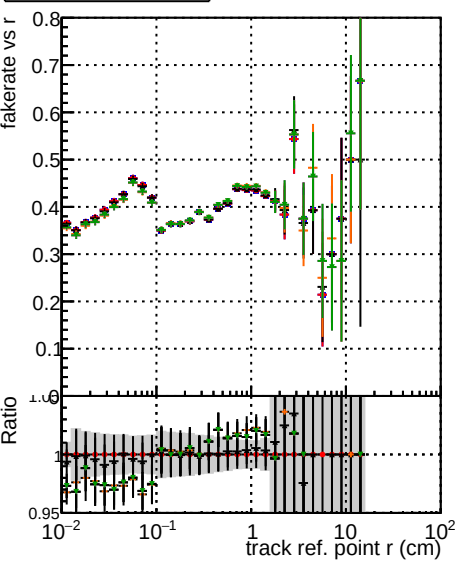
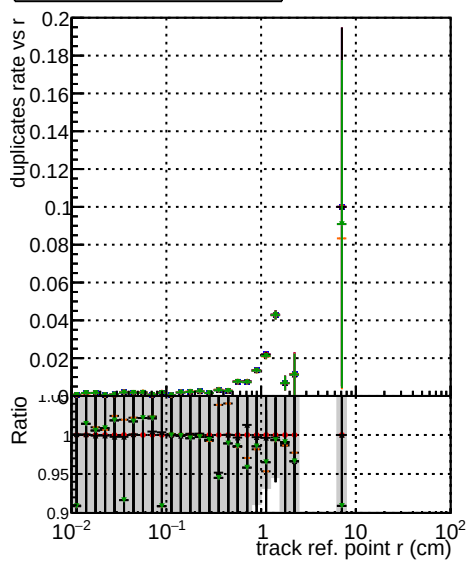


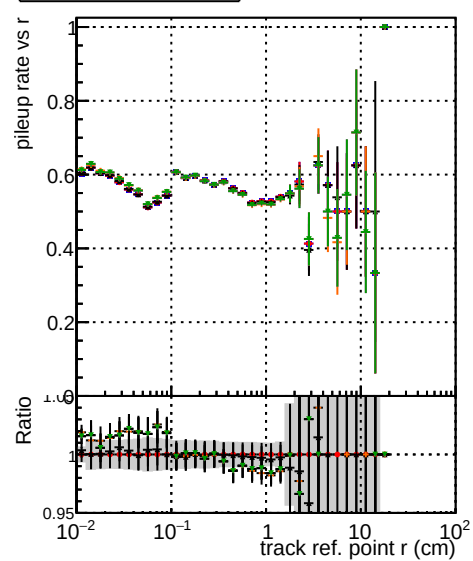
**Fake rate vs vertpos**



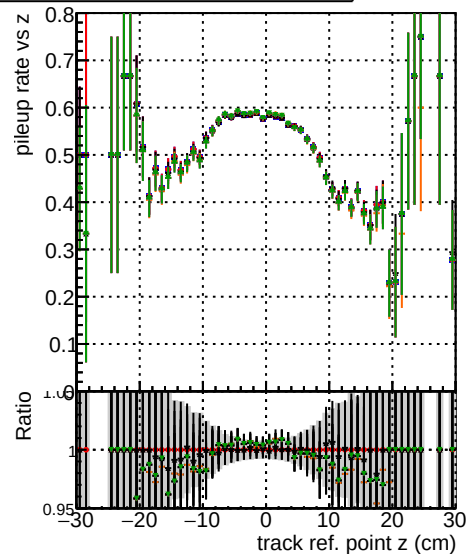
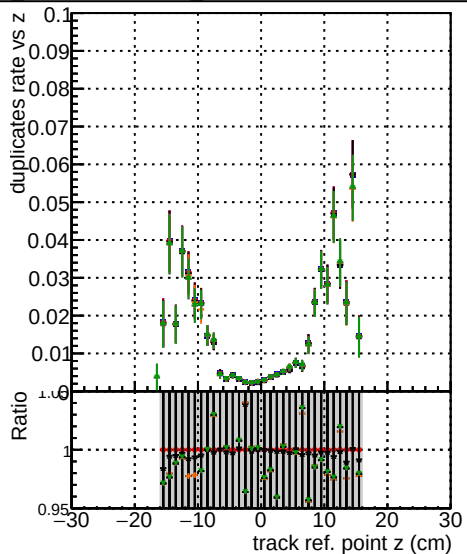
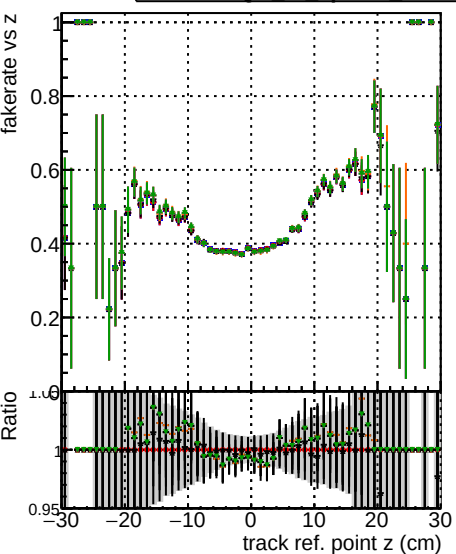
**Duplicates Rate vs vertpos**



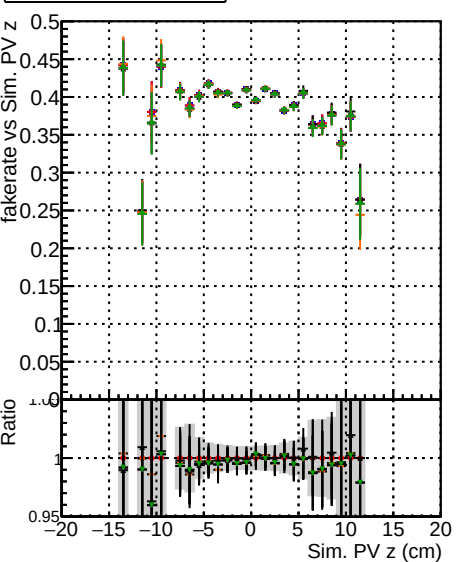
**Pileup rate vs vertpos**



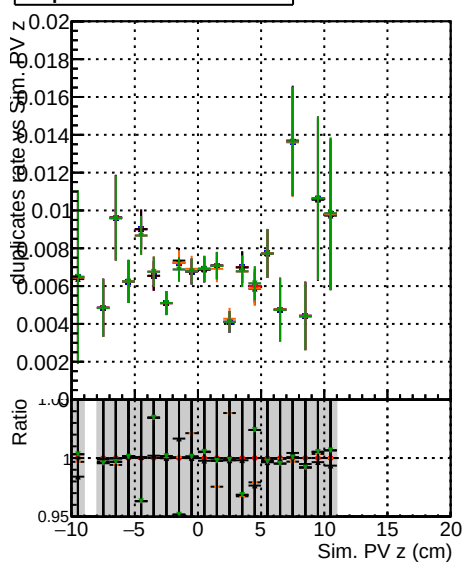
**Fake rate vs z** **DOM original originalvector 1000evt 10000evt 100000evt 1000000evt** **QM fit EDCOR SORTRZZ TESTOUTLIER5 1000evt**



**Fake rate vs. sim PV z**



**Duplicates Rate vs sim PV z**



**Pileup rate vs. sim PV z**

