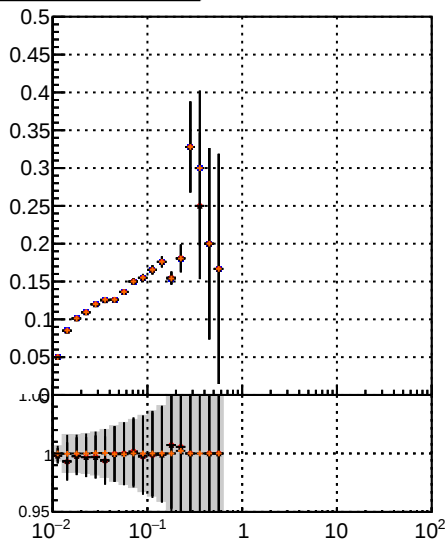
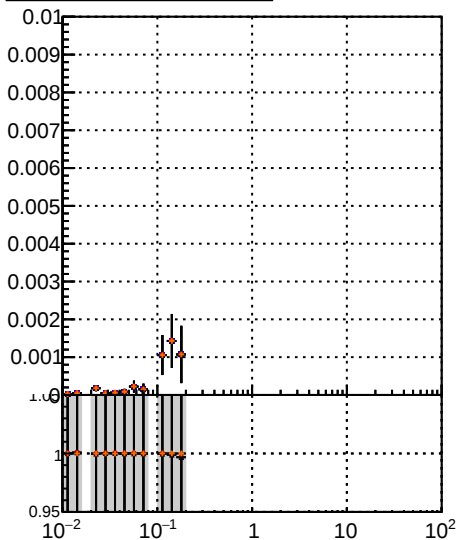


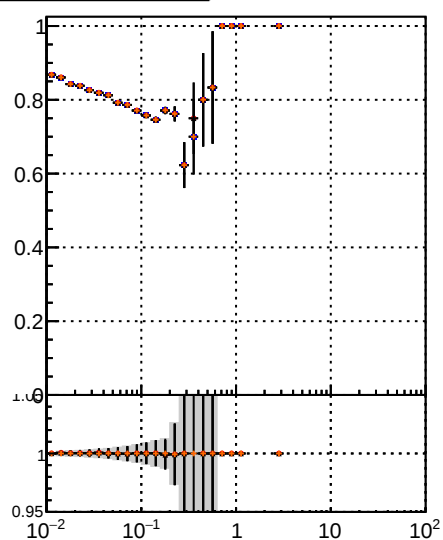
Fake rate vs vertpos



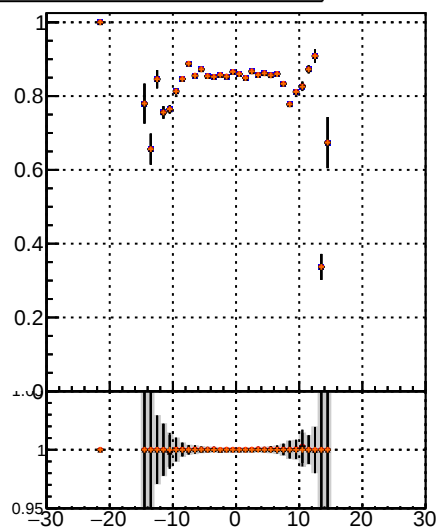
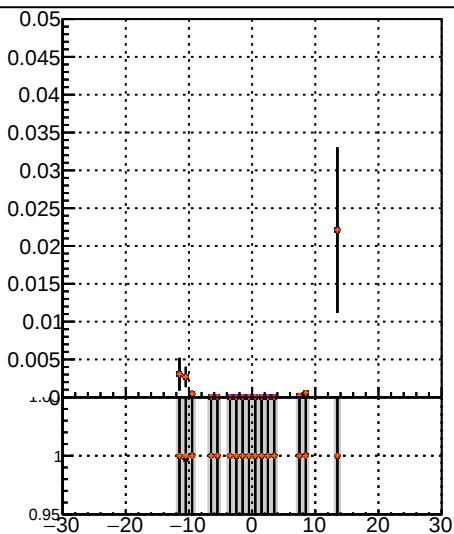
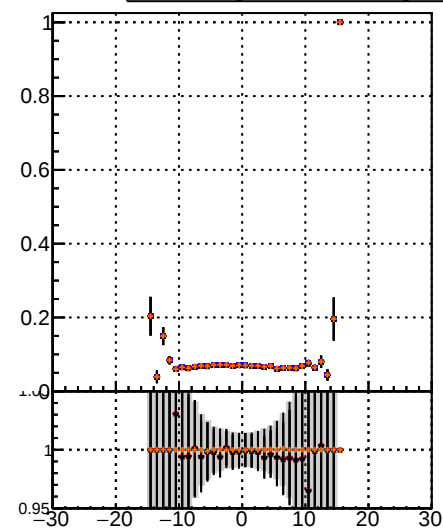
Duplicates Rate vs vertpos



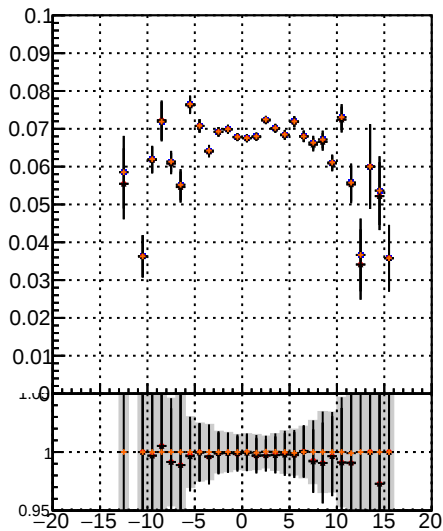
Pileup rate vs vertpos



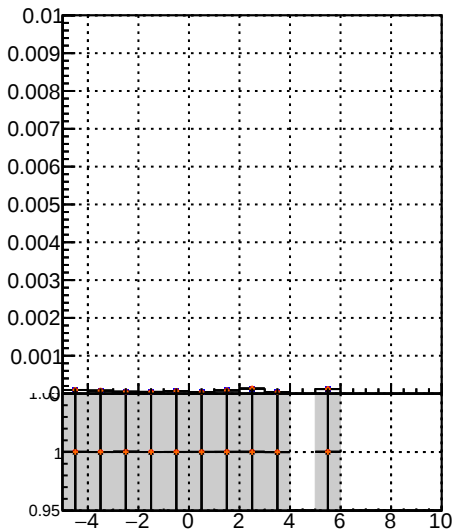
Fake rate vs v
 Legend: BQM TT MS det0 , $\text{BQM TT MS det0-dpdq}$, $\text{BQM TT MS det0-chiz}$



Fake rate vs. sim PV z



Duplicates Rate vs sim PV z



Pileup rate vs. sim PV z

