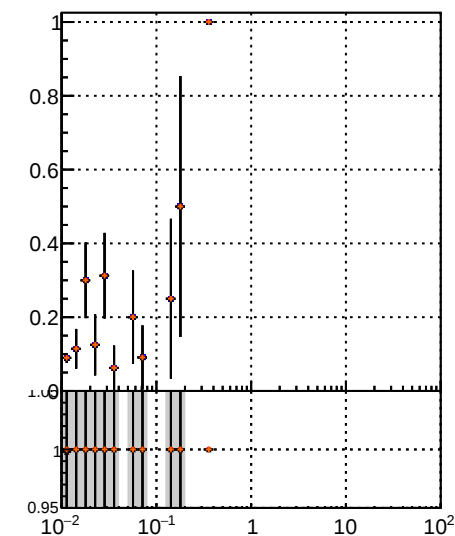


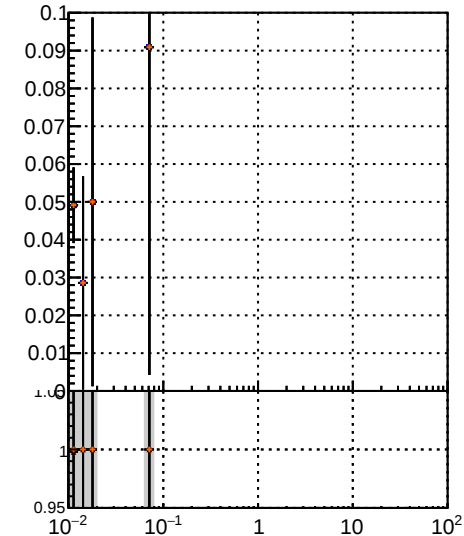
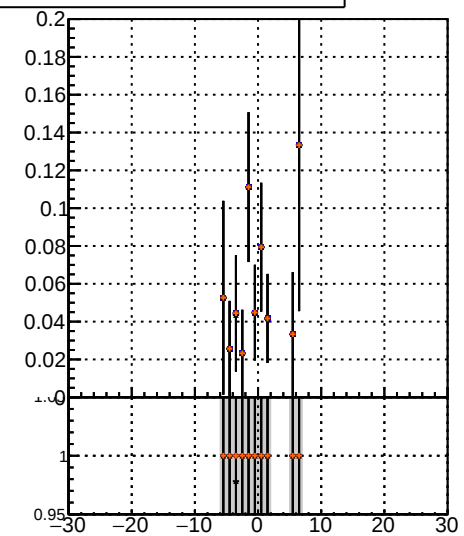
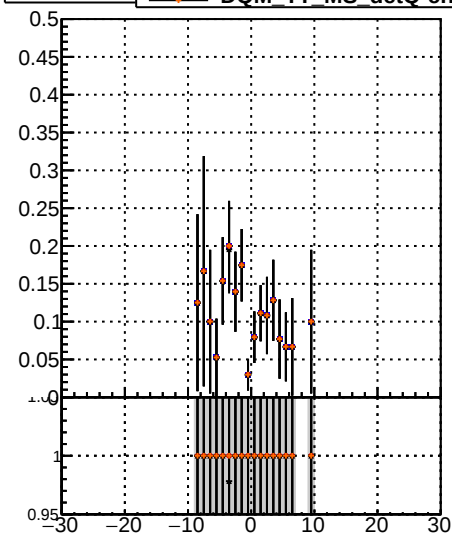
Fake rate vs vertpos



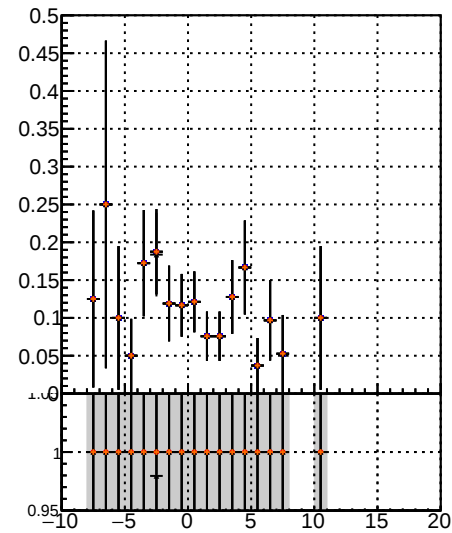
Duplicates Rate vs vertpos



Pileup rate vs vertpos


 Fake rate vs v_{top}
 Legend: $\text{BQM TT MS det0 dndq}$, $\text{BQM TT MS det0 chiz}$


Fake rate vs. sim PV z



Duplicates Rate vs sim PV z



Pileup rate vs. sim PV z

