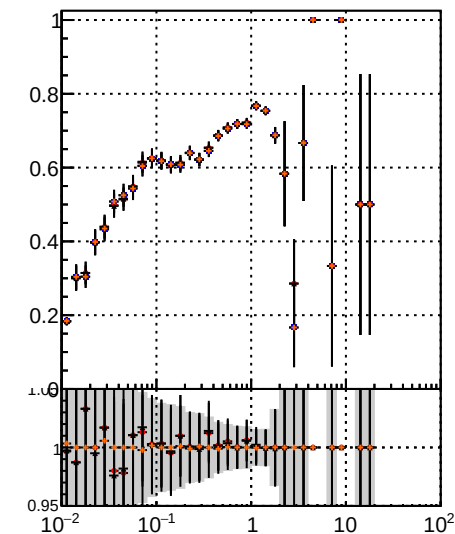
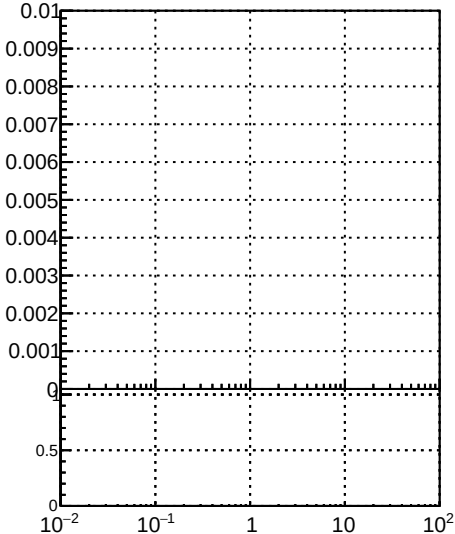


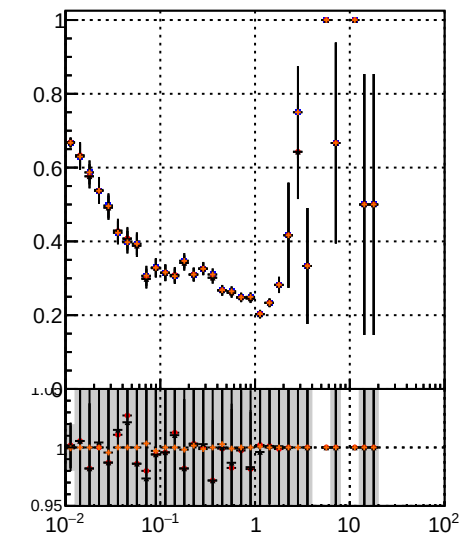
Fake rate vs vertpos



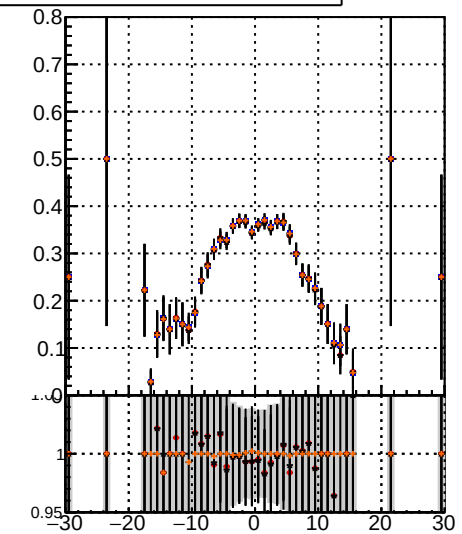
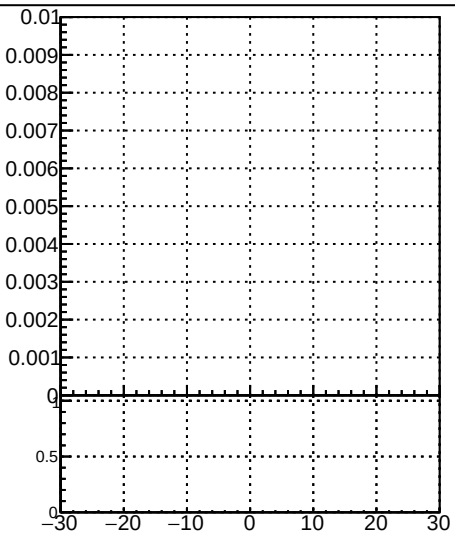
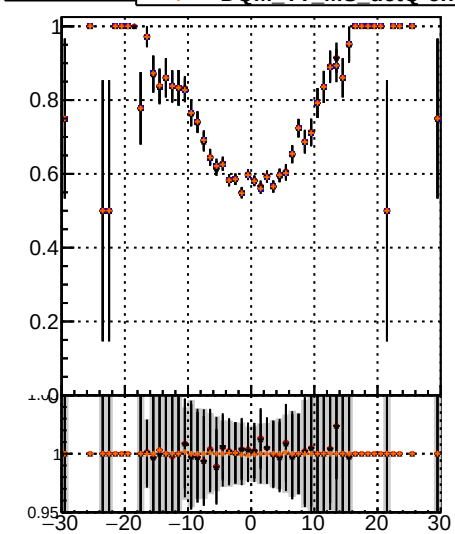
Duplicates Rate vs vertpos



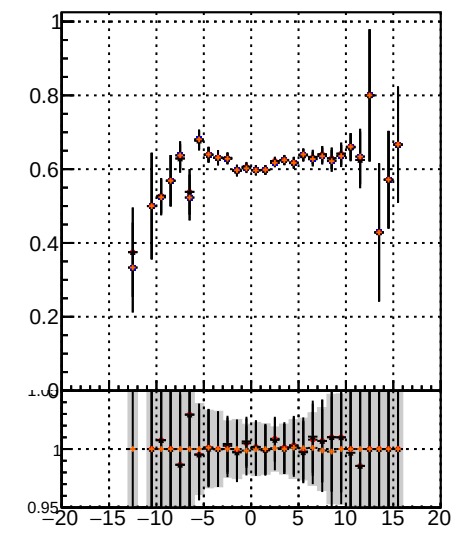
Pileup rate vs vertpos



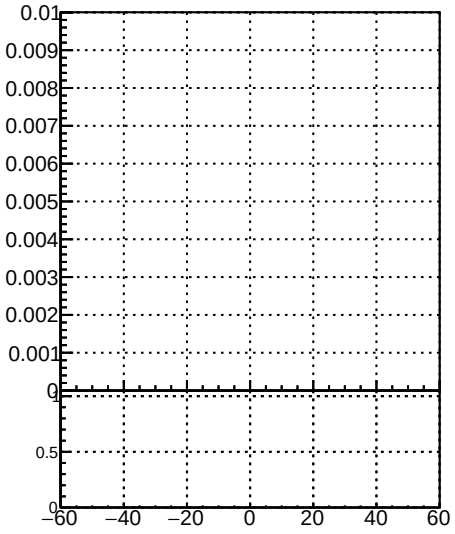
Legend:   
 -  $\bullet$   $\text{BQM TT MS det0-dpdq}$    
 -  $\bullet$   $\text{BQM TT MS det0-chiz}$    
 -  $\bullet$   $\text{BQM TT MS det0-dpdq}$    
 -  $\bullet$   $\text{BQM TT MS det0-chiz}$



Fake rate vs. sim PV z



Duplicates Rate vs sim PV z



Pileup rate vs. sim PV z

