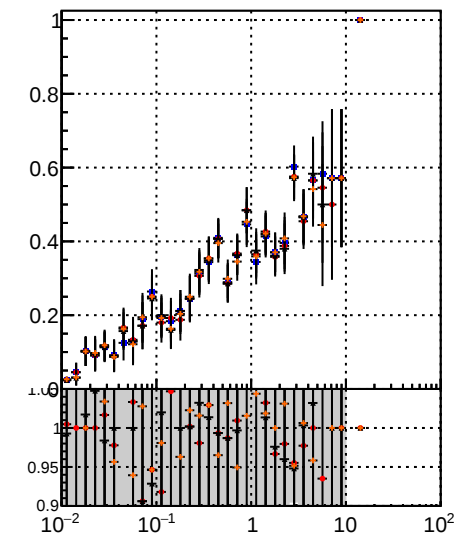


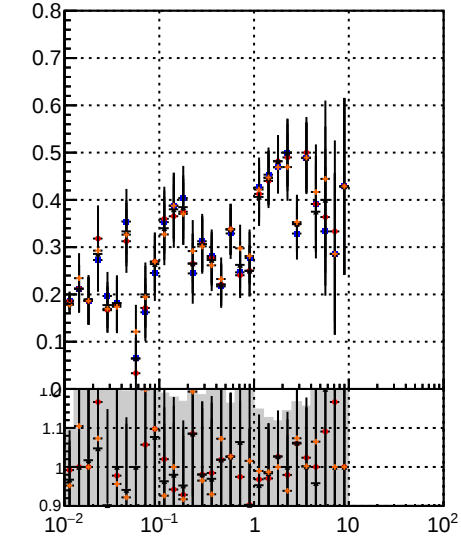
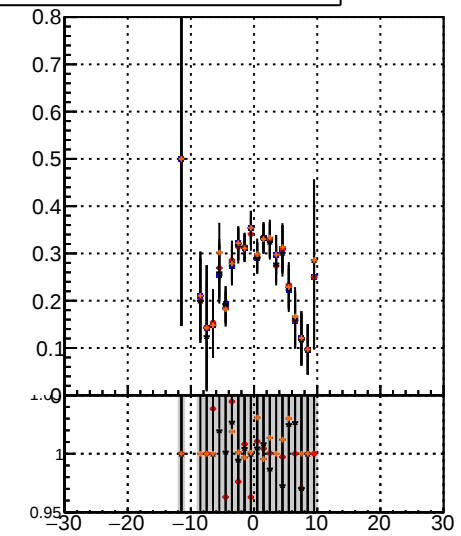
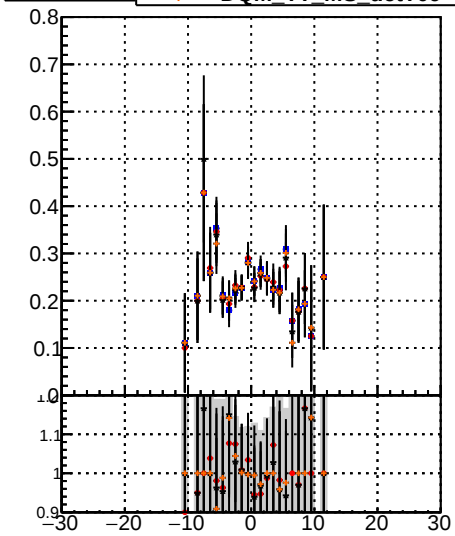
Fake rate vs vertpos



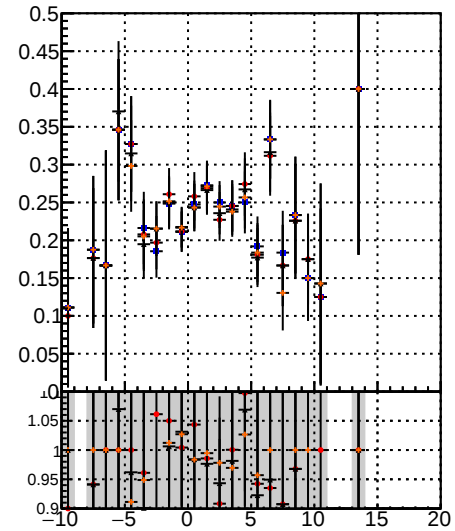
Duplicates Rate vs vertpos



Pileup rate vs vertpos


 Fake rate vs $\sqrt{s}$
 DOM TT MS detT
 DOM TT MS detT1
 DOM TT MS detT109


Fake rate vs. sim PV z



Duplicates Rate vs sim PV z



Pileup rate vs. sim PV z

