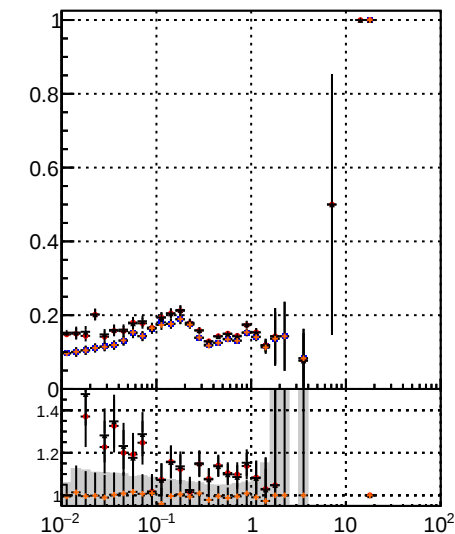
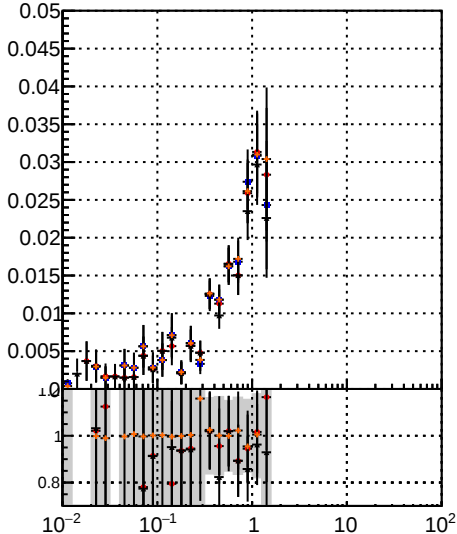


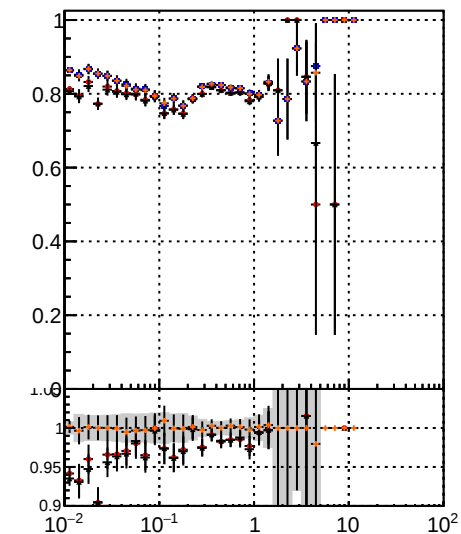
Fake rate vs vertpos



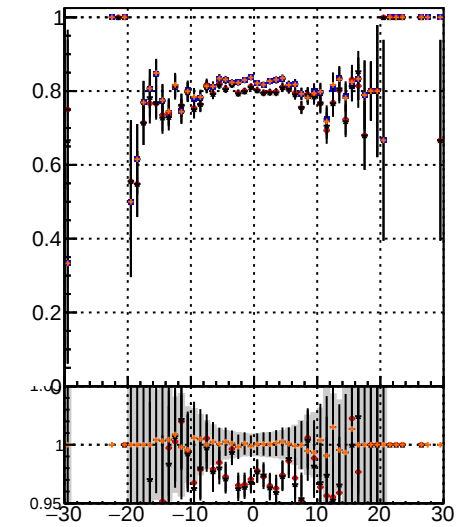
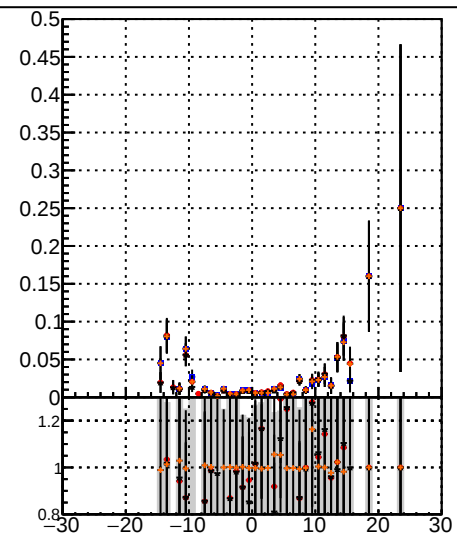
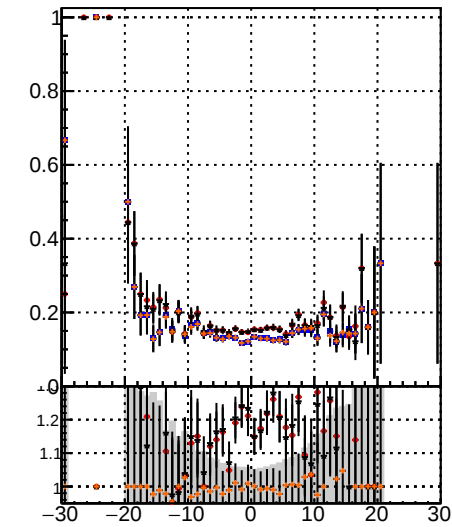
Duplicates Rate vs vertpos



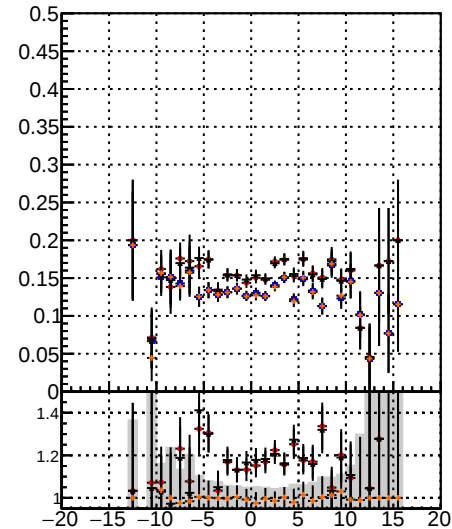
Pileup rate vs vertpos



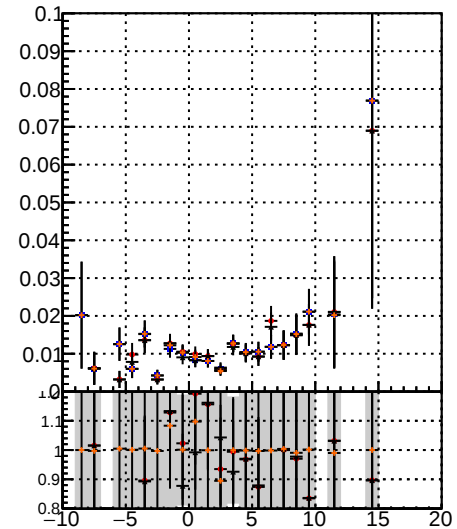
Fake rate vs $\sqrt{s}$
 BQM TT MS det0 dndq det0-chiz
 BQM TT MS det0 dndq det0-chiz



Fake rate vs. sim PV z



Duplicates Rate vs sim PV z



Pileup rate vs. sim PV z

