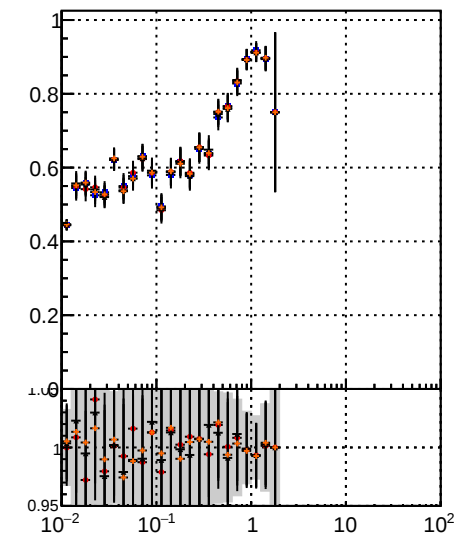


Fake rate vs vertpos



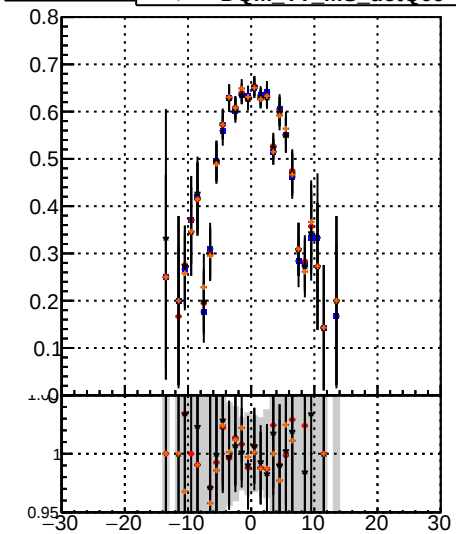
Duplicates Rate vs vertpos



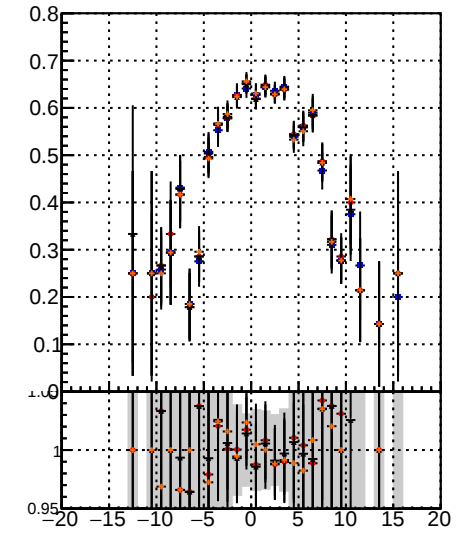
Pileup rate vs vertpos


 Fake rate vs $\sqrt{s}$

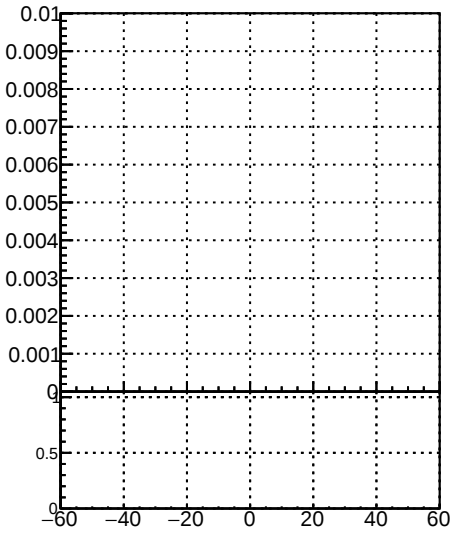
—●— $\sqrt{s}$ MS det0
 —●— $\sqrt{s}$ MS det01
 —●— $\sqrt{s}$ MS det09



Fake rate vs. sim PV z



Duplicates Rate vs sim PV z



Pileup rate vs. sim PV z

