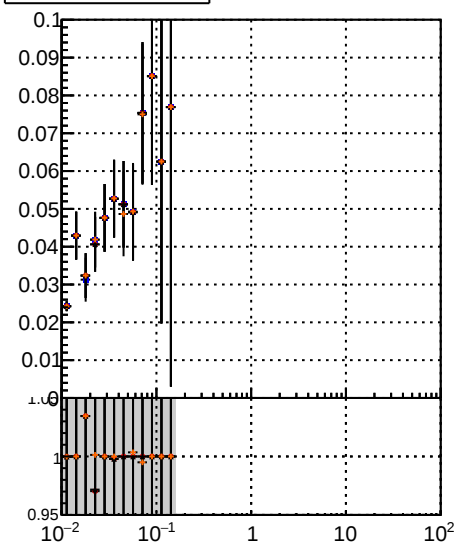


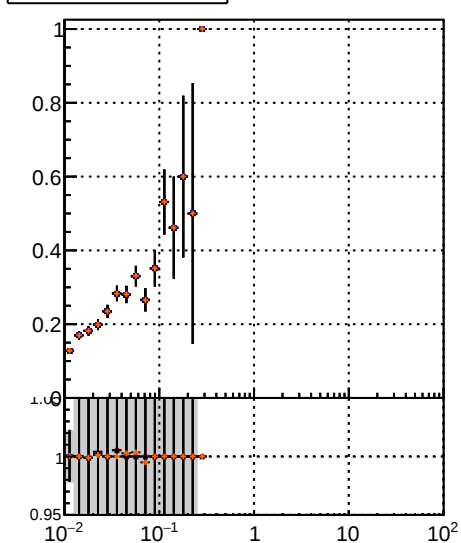
Fake rate vs vertpos



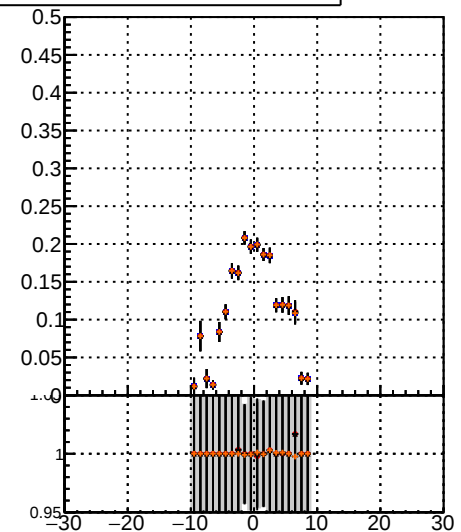
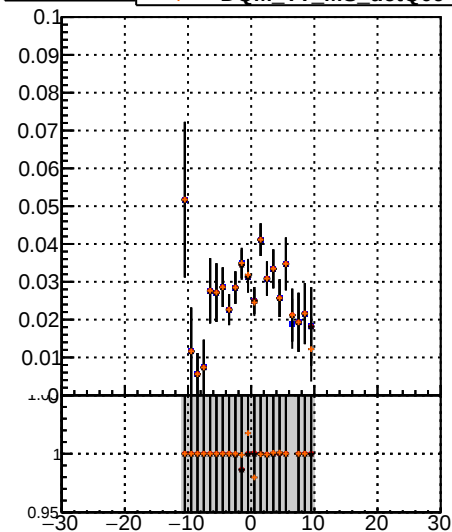
Duplicates Rate vs vertpos



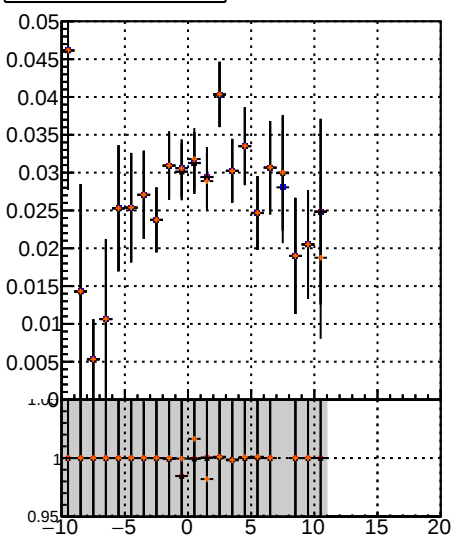
Pileup rate vs vertpos


 Fake rate vs $\sqrt{s}$

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



Fake rate vs. sim PV z



Duplicates Rate vs sim PV z



Pileup rate vs. sim PV z

