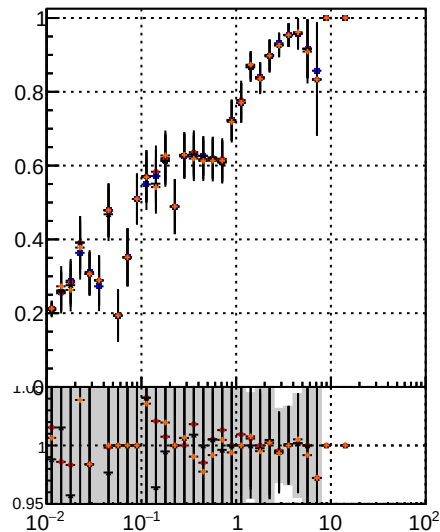
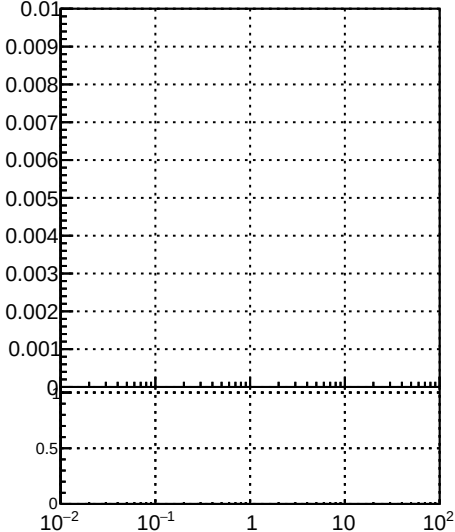


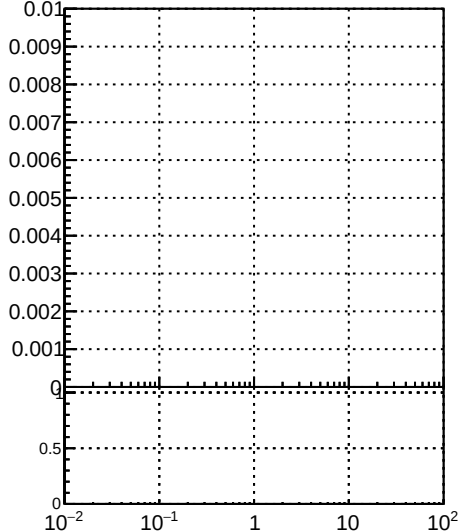
Fake rate vs vertpos



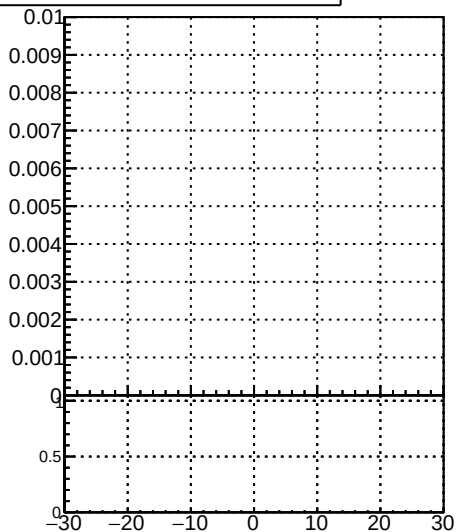
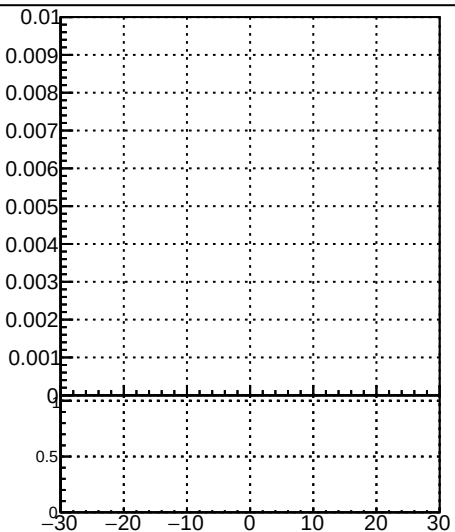
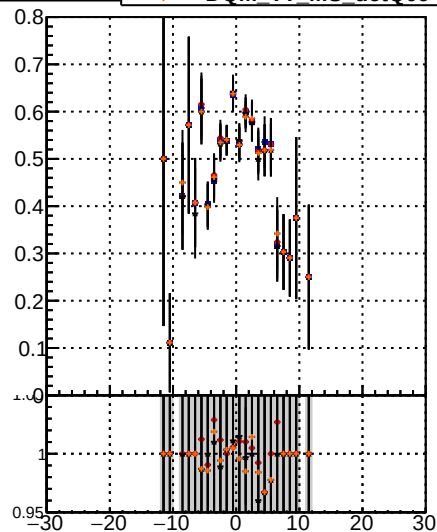
Duplicates Rate vs vertpos



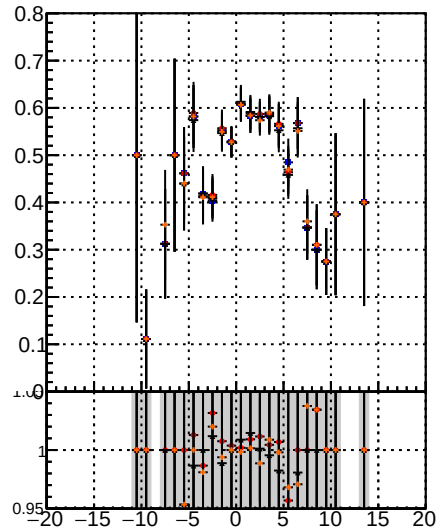
Pileup rate vs vertpos


 Fake rate vs  $\sqrt{s}$ 

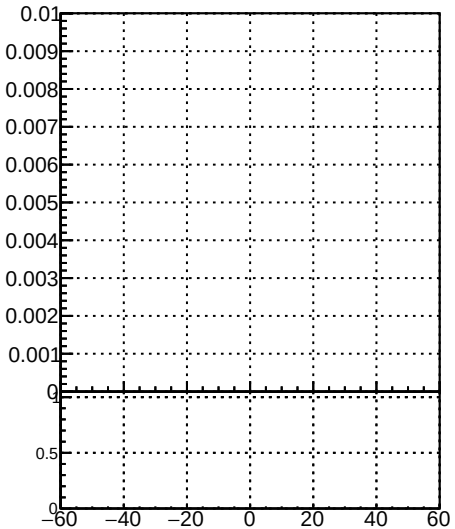
—●—  $\text{detO}$  TT MS  
 —●—  $\text{detO1}$  TT MS  
 —●—  $\text{detO9}$  TT MS  
 —●—  $\text{detO09}$  TT MS



Fake rate vs. sim PV z



Duplicates Rate vs sim PV z



Pileup rate vs. sim PV z

