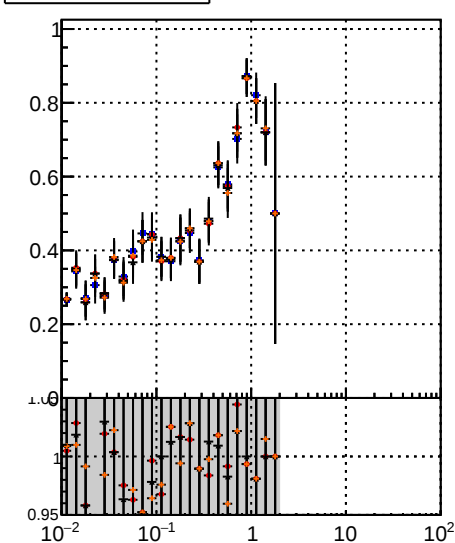


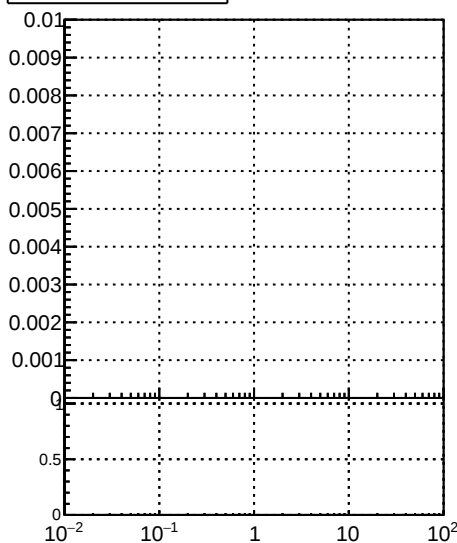
Fake rate vs vertpos



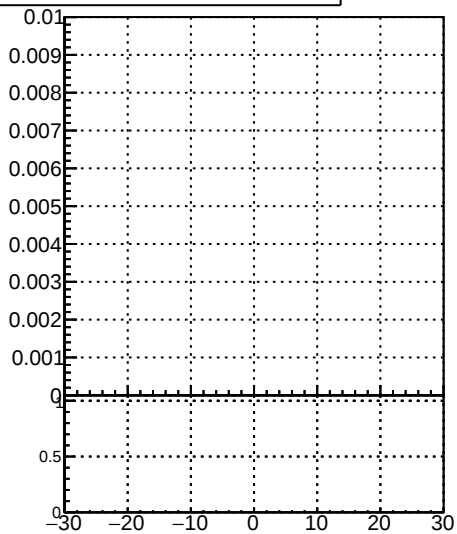
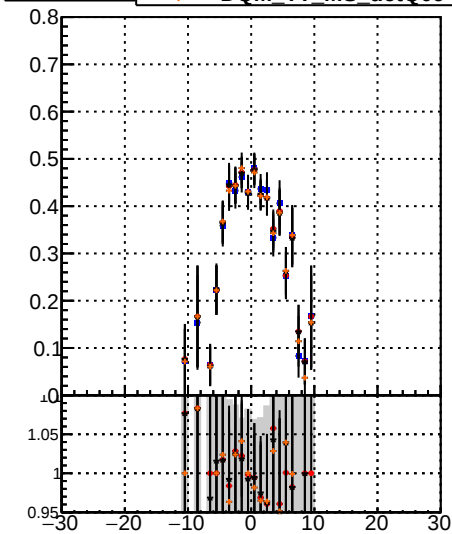
Duplicates Rate vs vertpos



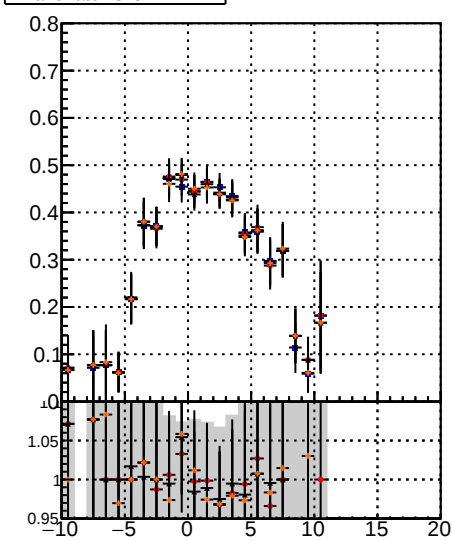
Pileup rate vs vertpos



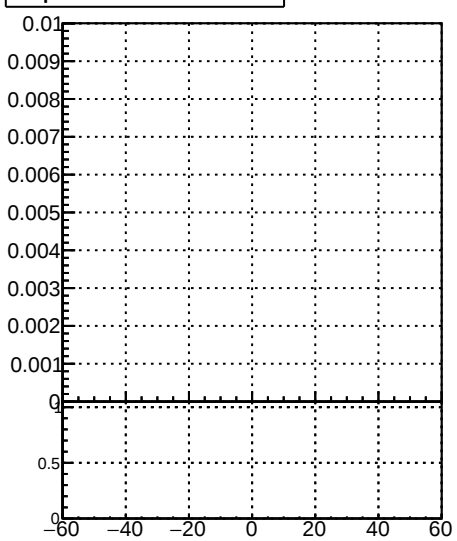
Fake rate vs $\sqrt{s}$



Fake rate vs. sim PV z



Duplicates Rate vs sim PV z



Pileup rate vs. sim PV z

