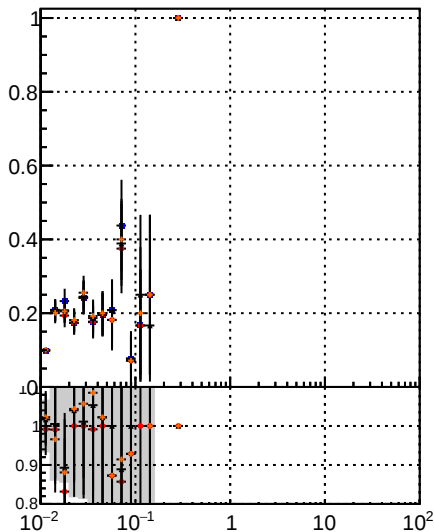
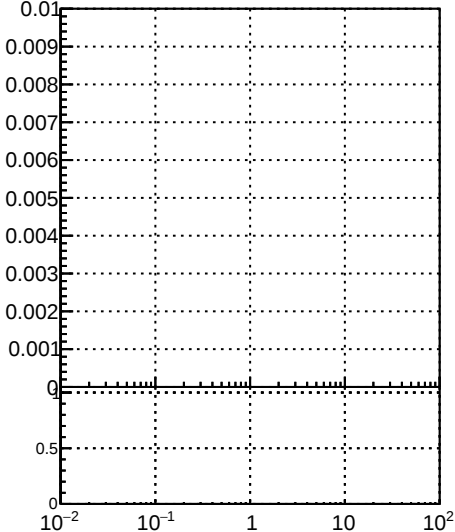


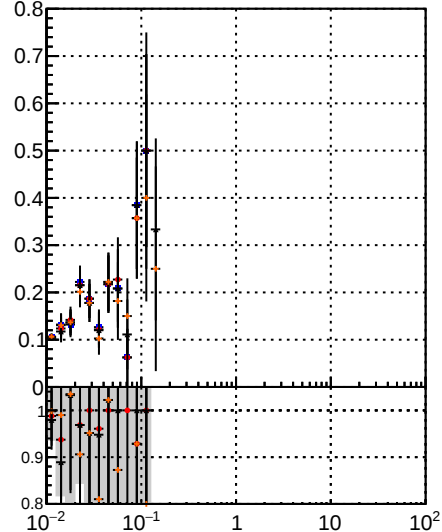
Fake rate vs vertpos



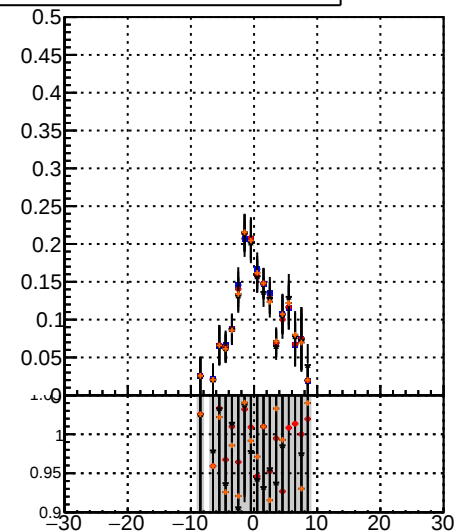
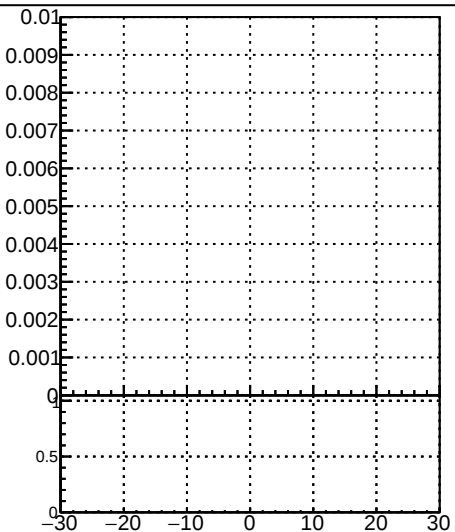
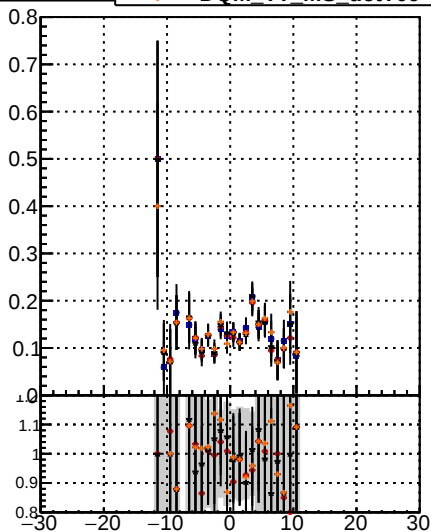
Duplicates Rate vs vertpos



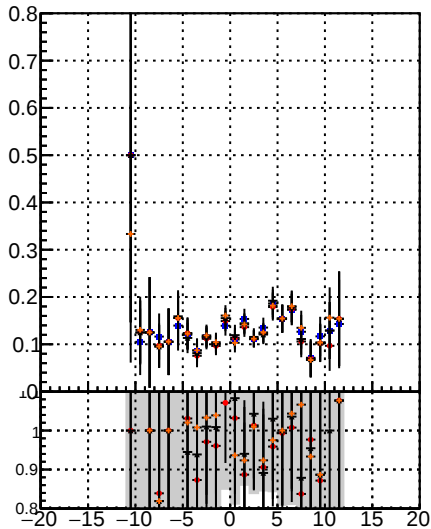
Pileup rate vs vertpos



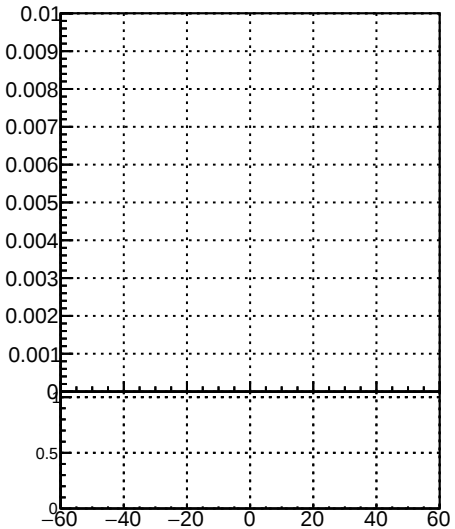
Fake rate vs v
 Legend:
 $\text{BQM} \rightarrow \text{TT}$ (blue)
 $\text{BQM} \rightarrow \text{TT} + \text{MS}$ (red)
 $\text{BQM} \rightarrow \text{TT} + \text{MS} + \text{detT}$ (orange)
 $\text{BQM} \rightarrow \text{TT} + \text{MS} + \text{detT} + \text{detT1}$ (black)



Fake rate vs. sim PV z



Duplicates Rate vs sim PV z



Pileup rate vs. sim PV z

