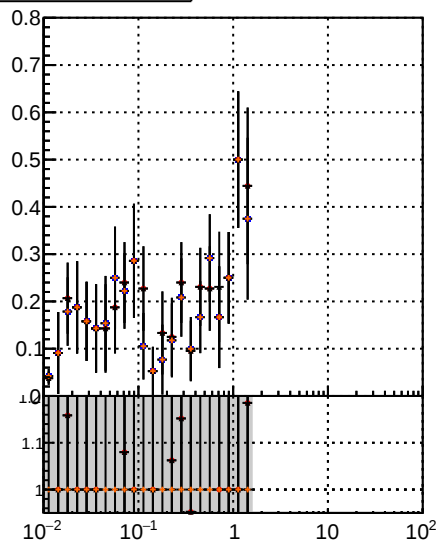


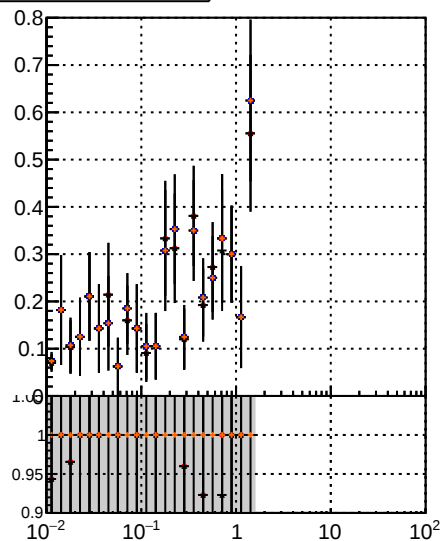
Fake rate vs vertpos



Duplicates Rate vs vertpos

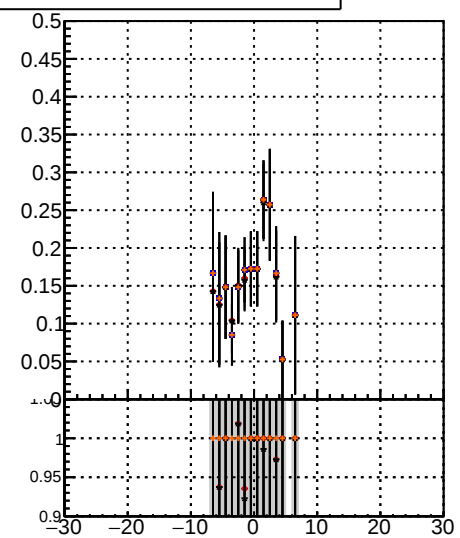
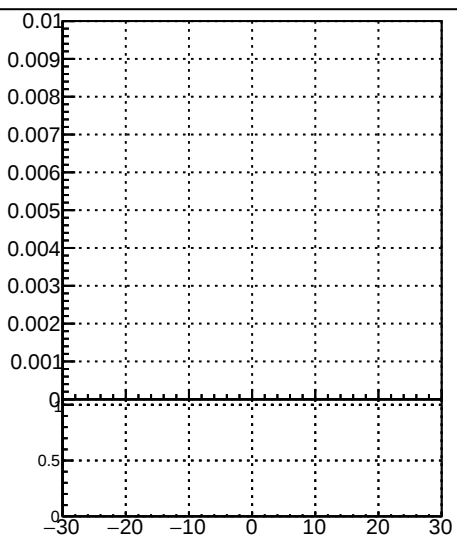
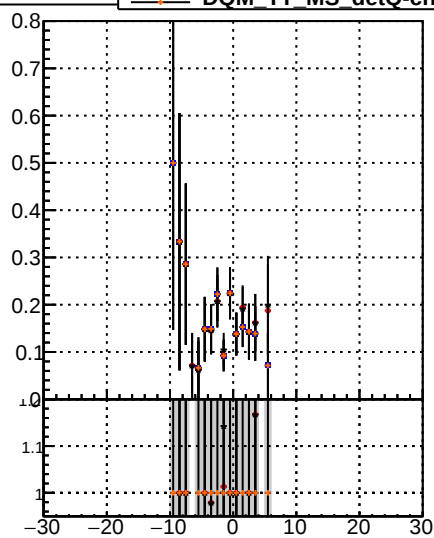


Pileup rate vs vertpos

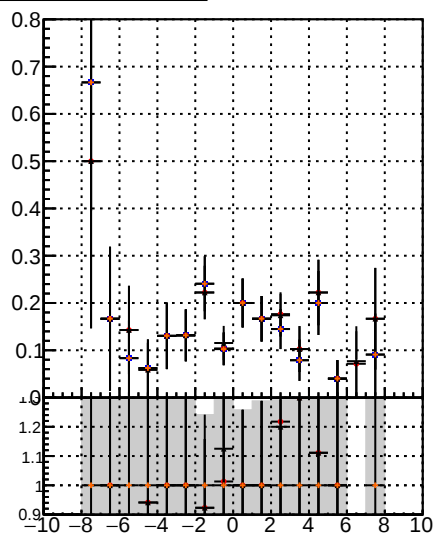


Legend:
 - $\text{BQM} \rightarrow \text{TT} \rightarrow \text{MS}$ det0-dpdq
 - $\text{BQM} \rightarrow \text{TT} \rightarrow \text{MS}$ det0-chiz
 - $\text{BQM} \rightarrow \text{TT} \rightarrow \text{MS}$ det0-chiz

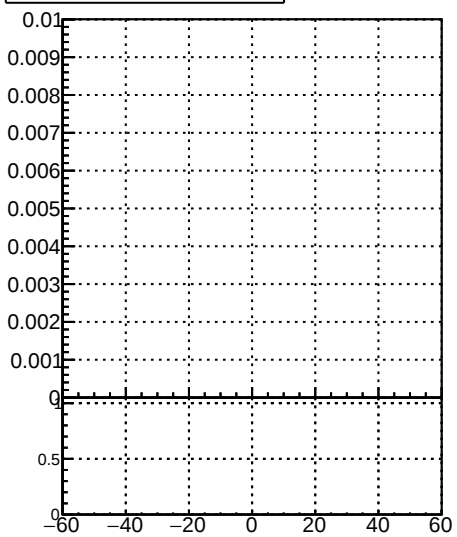
Fake rate vs v



Fake rate vs. sim PV z



Duplicates Rate vs sim PV z



Pileup rate vs. sim PV z

