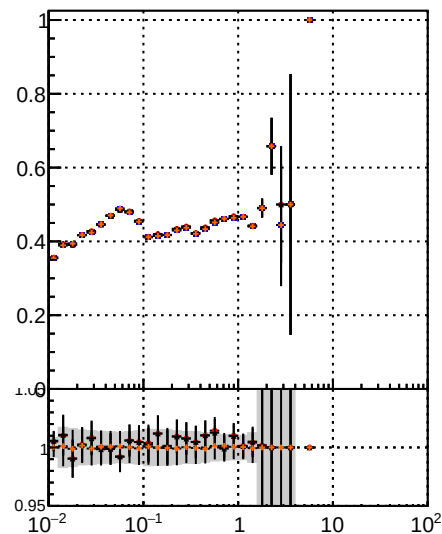
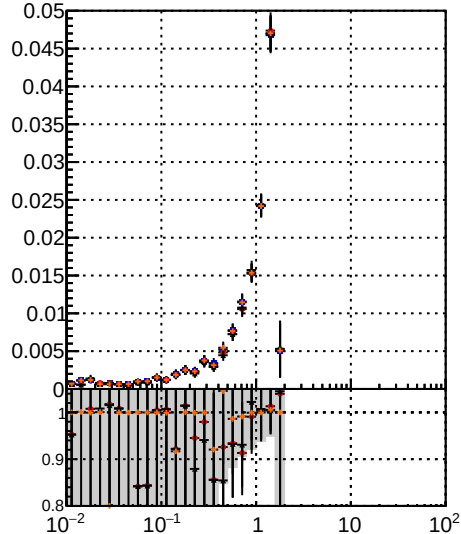


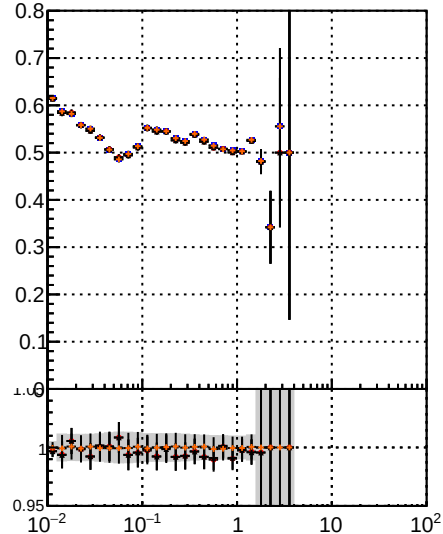
Fake rate vs vertpos



Duplicates Rate vs vertpos

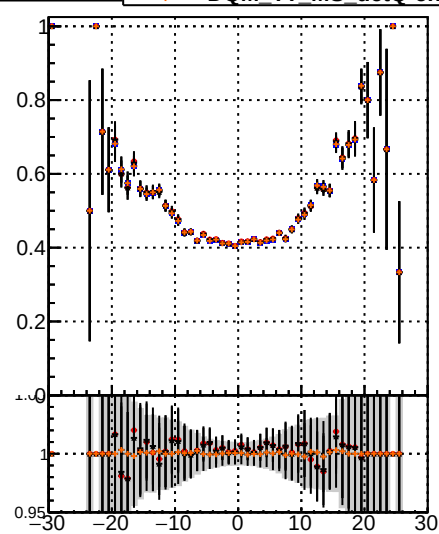


Pileup rate vs vertpos

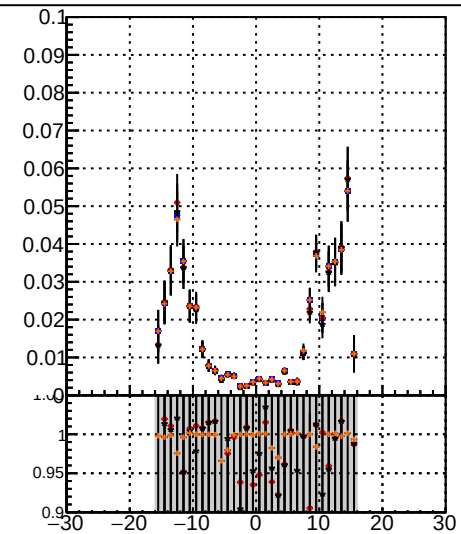


Legend:
 - $\text{BQM} \rightarrow \text{TT} \rightarrow \text{MS}$ $\text{det0} \rightarrow \text{dpdq}$
 - $\text{BQM} \rightarrow \text{TT} \rightarrow \text{MS}$ $\text{det0} \rightarrow \text{chiz}$

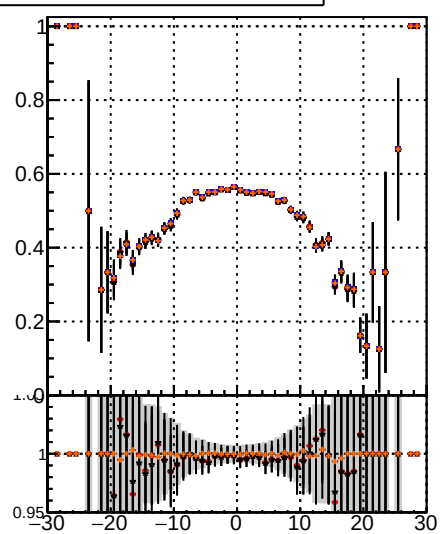
Fake rate vs v



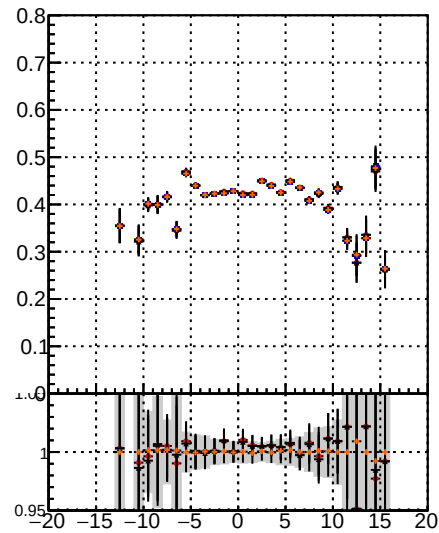
Duplicates Rate vs v



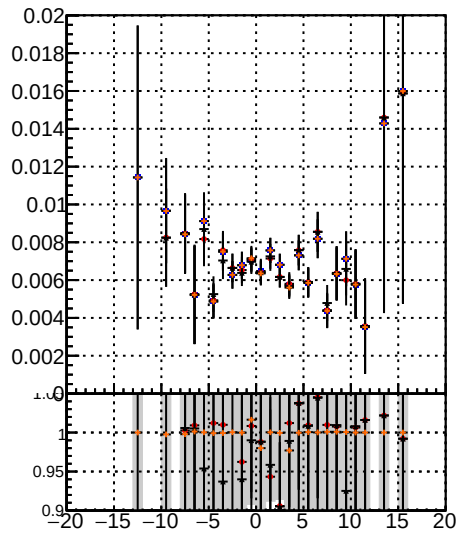
Pileup rate vs v



Fake rate vs. sim PV z



Duplicates Rate vs sim PV z



Pileup rate vs. sim PV z

