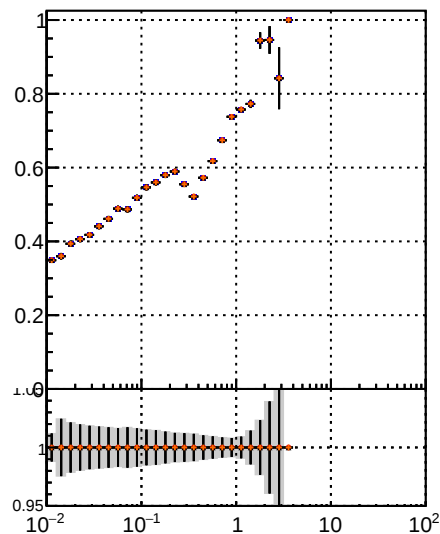
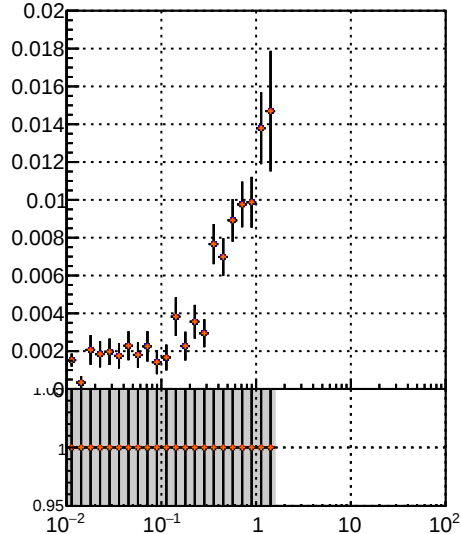


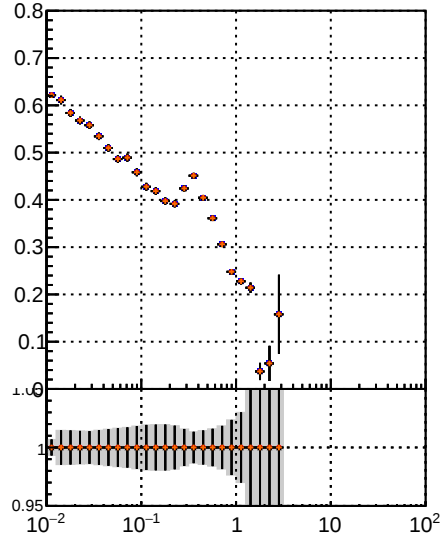
Fake rate vs vertpos



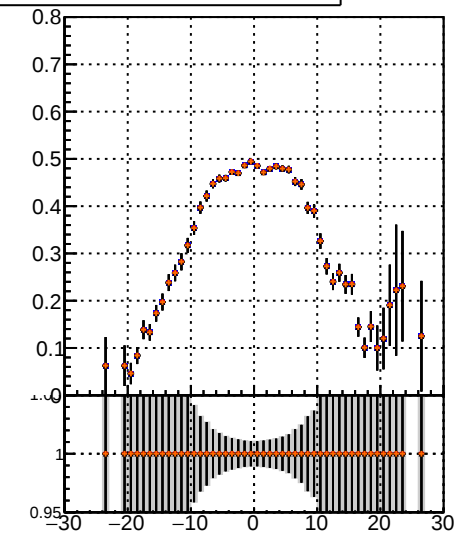
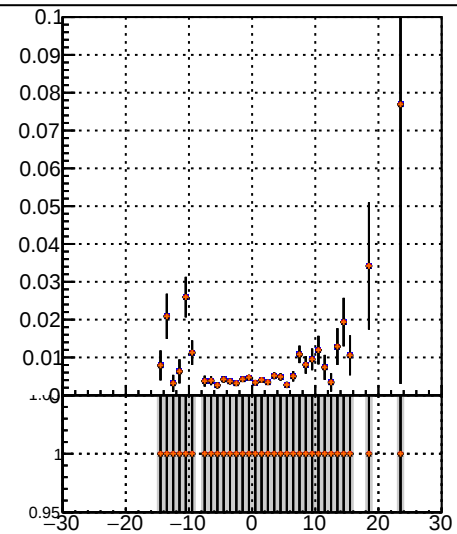
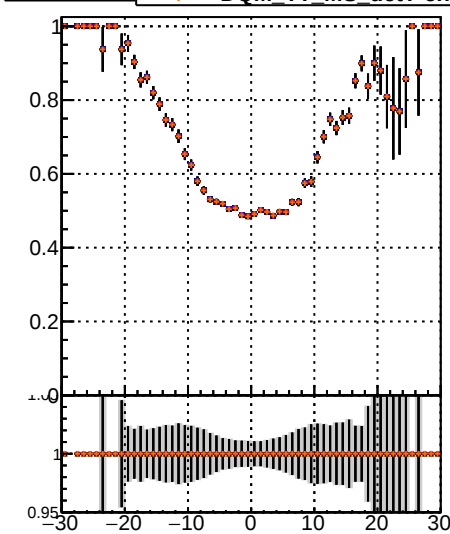
Duplicates Rate vs vertpos



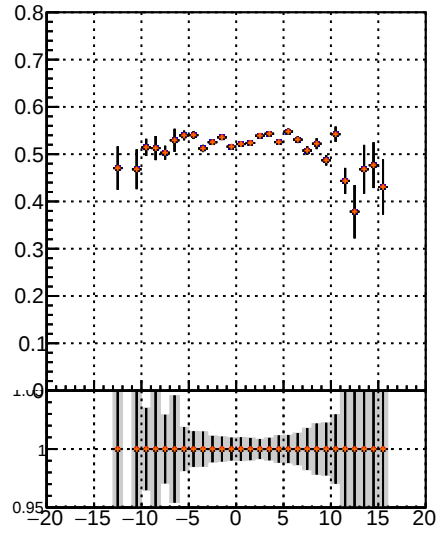
Pileup rate vs vertpos



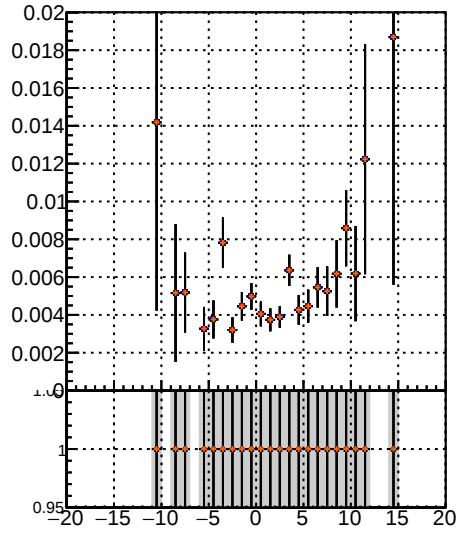
Legend:
 - $\text{BQM} \rightarrow \text{TT} \rightarrow \text{MS}$
 - $\text{BQM} \rightarrow \text{TT} \rightarrow \text{MS} \rightarrow \text{detT}$
 - $\text{BQM} \rightarrow \text{TT} \rightarrow \text{MS} \rightarrow \text{detT} \rightarrow \text{dpdq}$
 - $\text{BQM} \rightarrow \text{TT} \rightarrow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



Fake rate vs. sim PV z



Duplicates Rate vs sim PV z



Pileup rate vs. sim PV z

