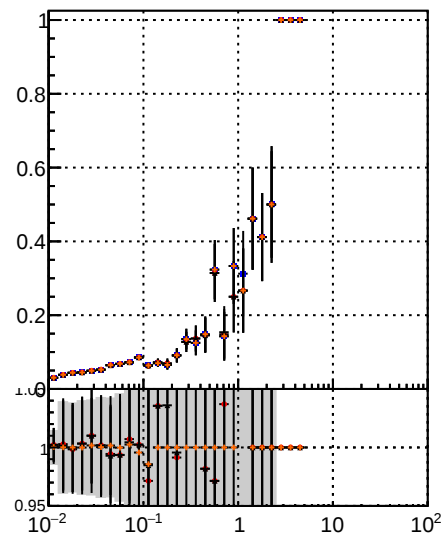
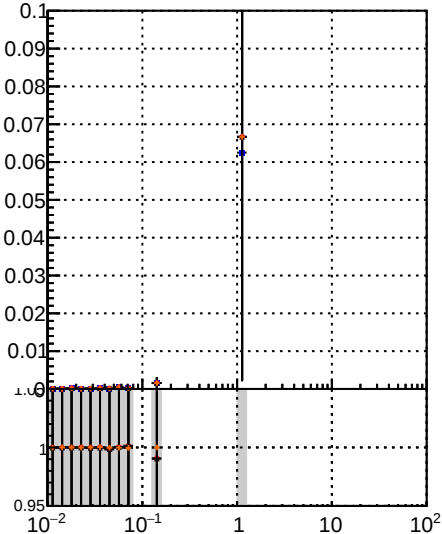


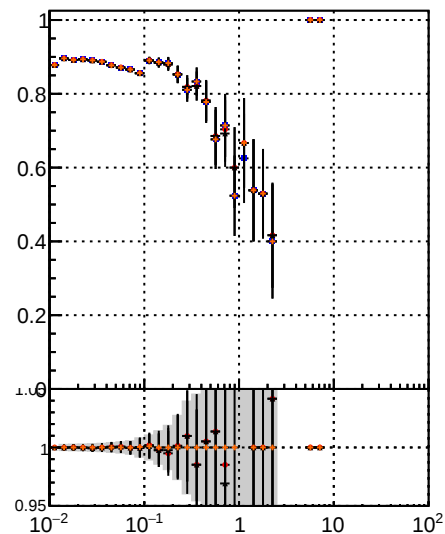
Fake rate vs vertpos



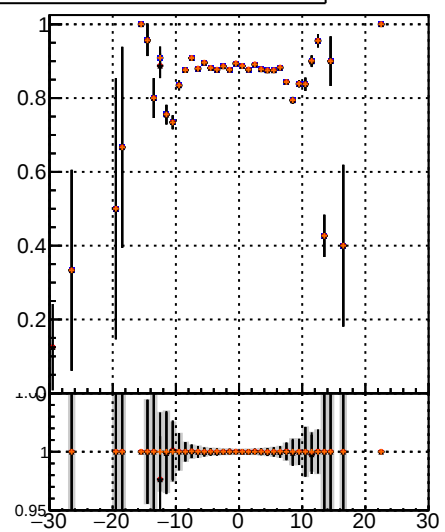
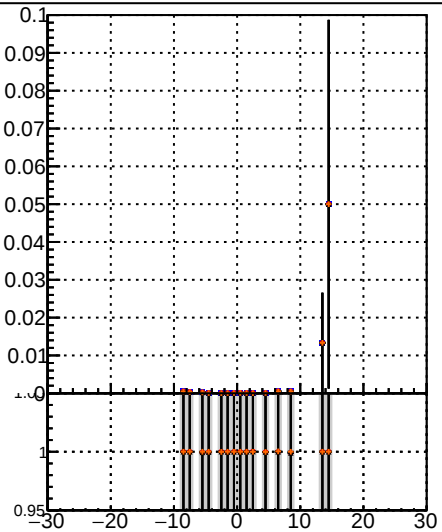
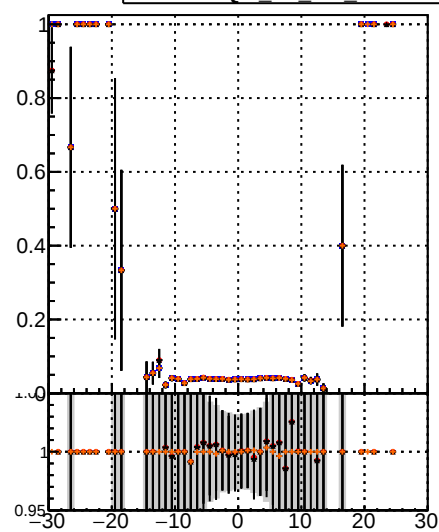
Duplicates Rate vs vertpos



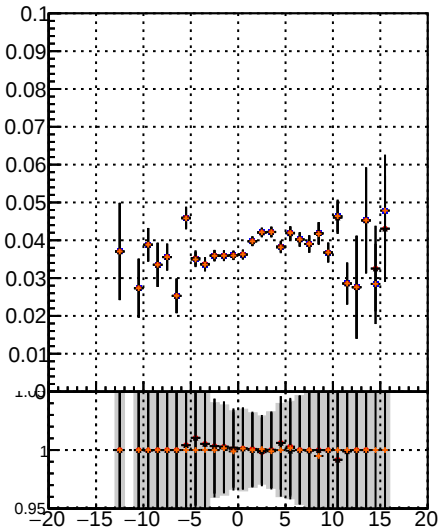
Pileup rate vs vertpos



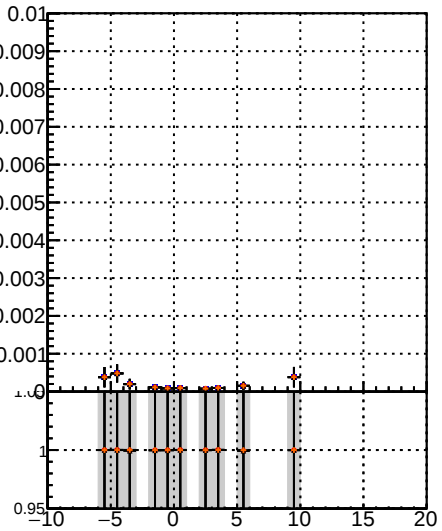
Fake rate vs v
 Legend: $\text{BQM} \rightarrow \text{TT} \rightarrow \text{MS}$ (blue line with circles), $\text{BQM} \rightarrow \text{TT} \rightarrow \text{MS} \rightarrow \text{detT}$ (red line with circles), $\text{BQM} \rightarrow \text{TT} \rightarrow \text{MS} \rightarrow \text{detT} \rightarrow \text{dpdg}$ (black line with circles), $\text{BQM} \rightarrow \text{TT} \rightarrow \text{MS} \rightarrow \text{detT} \rightarrow \text{chiz}$ (orange line with circles)



Fake rate vs. sim PV z



Duplicates Rate vs sim PV z



Pileup rate vs. sim PV z

