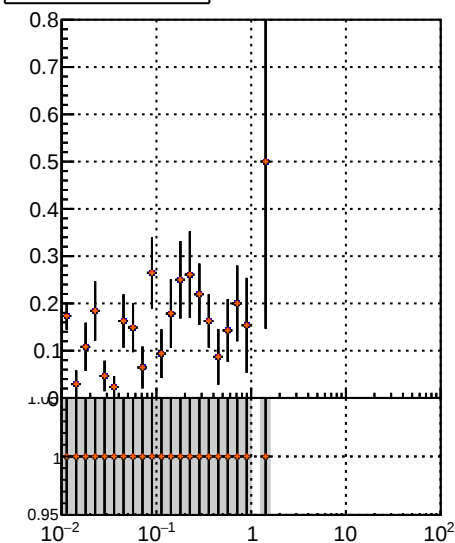
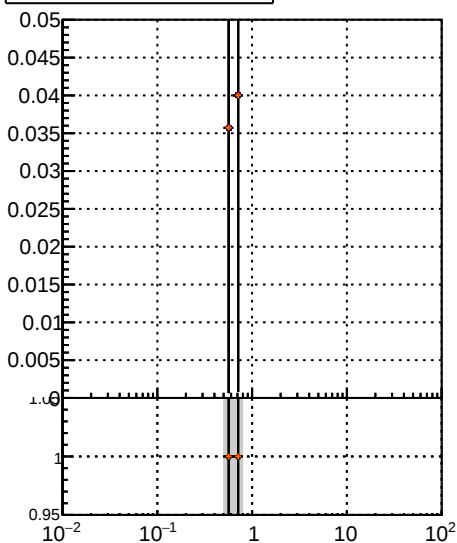


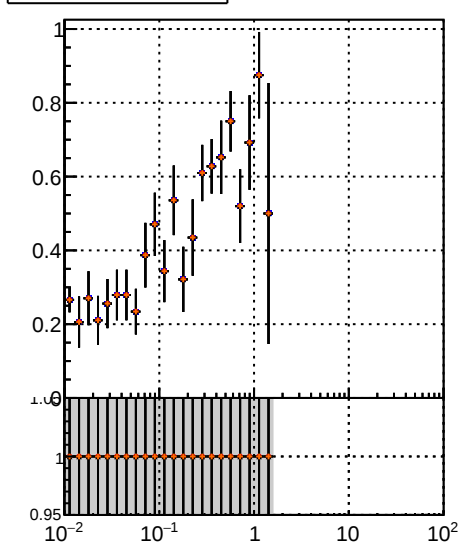
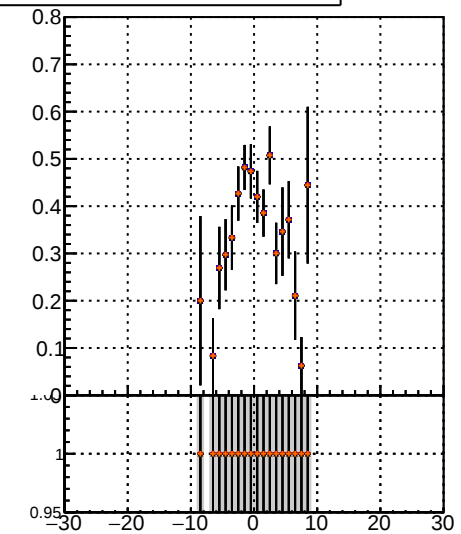
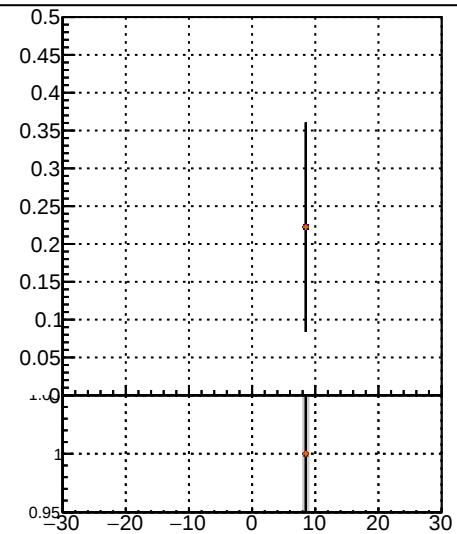
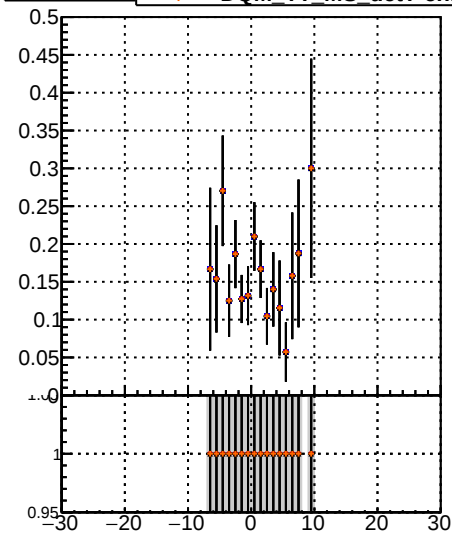
Fake rate vs vertpos



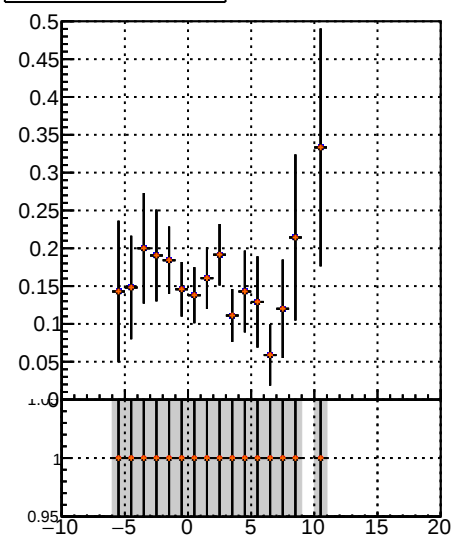
Duplicates Rate vs vertpos



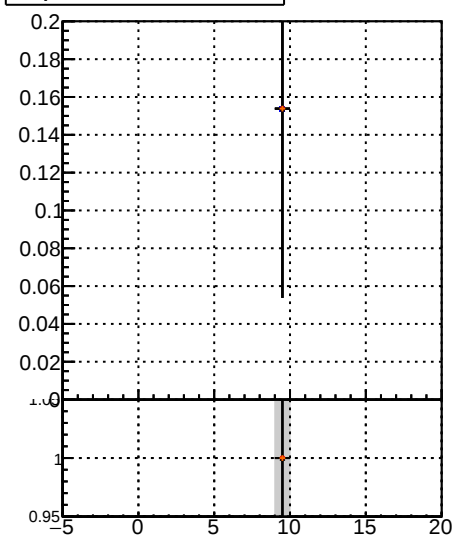
Pileup rate vs vertpos


 Fake rate vs $\sqrt{s}$
 Legend: $\text{BQM} \rightarrow \text{TT} \rightarrow \text{MS}$ (blue), $\text{BQM} \rightarrow \text{TT} \rightarrow \text{MS} \rightarrow \text{detT}$ (red), $\text{BQM} \rightarrow \text{TT} \rightarrow \text{MS} \rightarrow \text{detT} \rightarrow \text{dpdq}$ (green), $\text{BQM} \rightarrow \text{TT} \rightarrow \text{MS} \rightarrow \text{detT} \rightarrow \text{chiz}$ (orange)


Fake rate vs. sim PV z



Duplicates Rate vs sim PV z



Pileup rate vs. sim PV z

