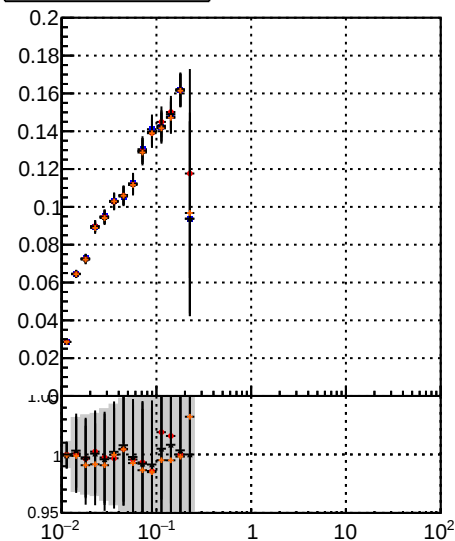
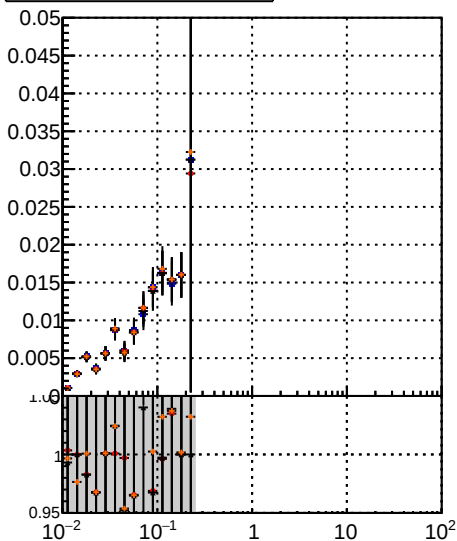


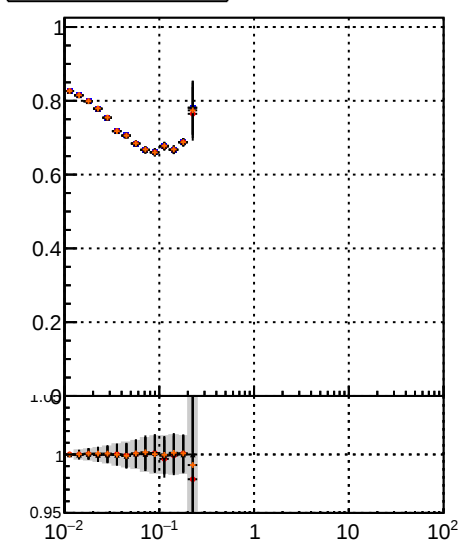
Fake rate vs vertpos



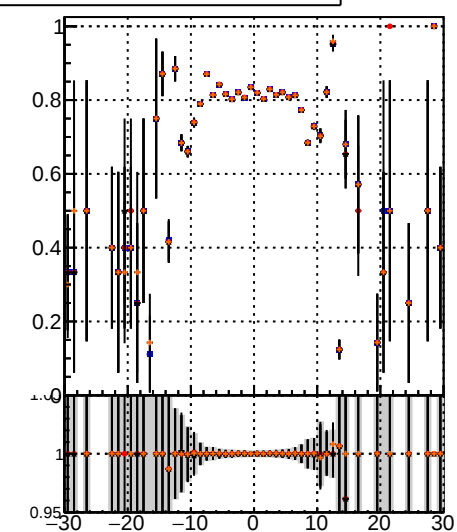
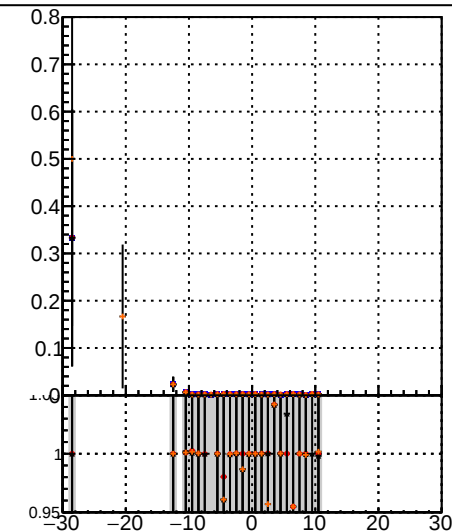
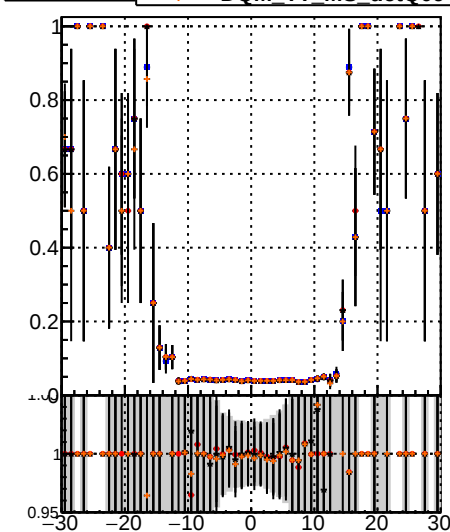
Duplicates Rate vs vertpos



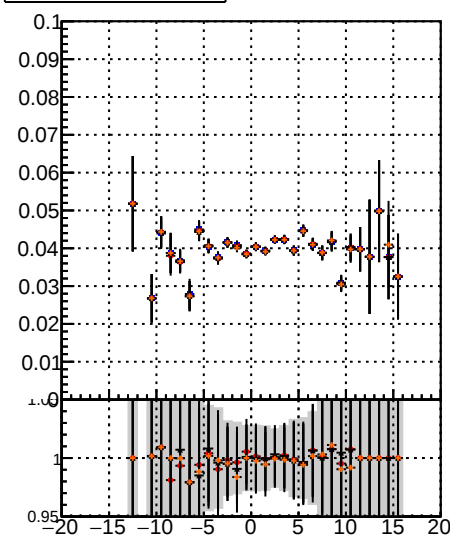
Pileup rate vs vertpos



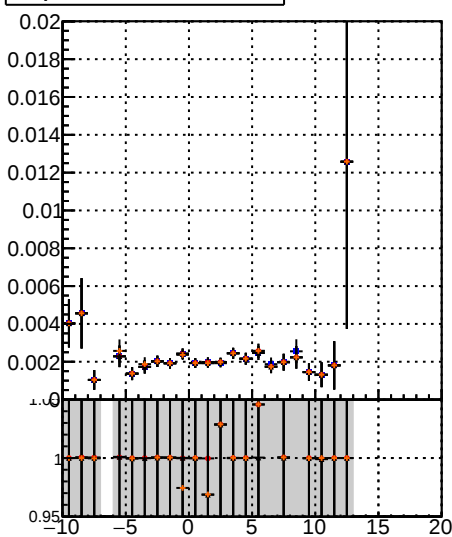
Legend:
 - $\text{BQM} \rightarrow \text{TT} \rightarrow \text{MS} \rightarrow \text{detQ}$ (blue line with circles)
 - $\text{BQM} \rightarrow \text{TT} \rightarrow \text{MS} \rightarrow \text{detQ1}$ (red line with circles)
 - $\text{BQM} \rightarrow \text{TT} \rightarrow \text{MS} \rightarrow \text{detQ9}$ (orange line with circles)



Fake rate vs. sim PV z



Duplicates Rate vs sim PV z



Pileup rate vs. sim PV z

