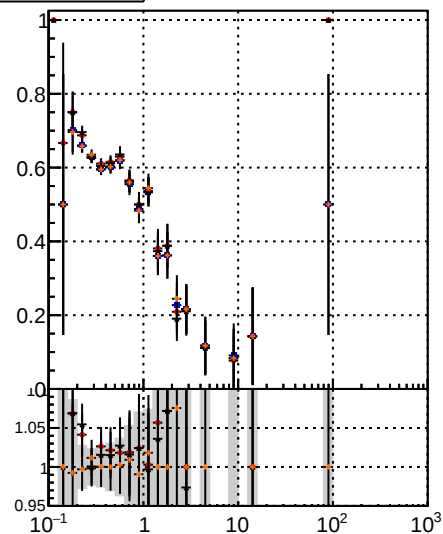
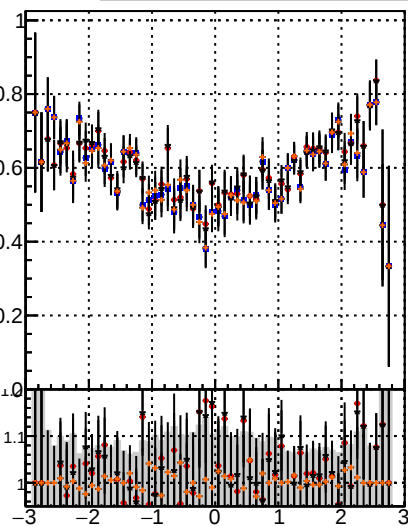
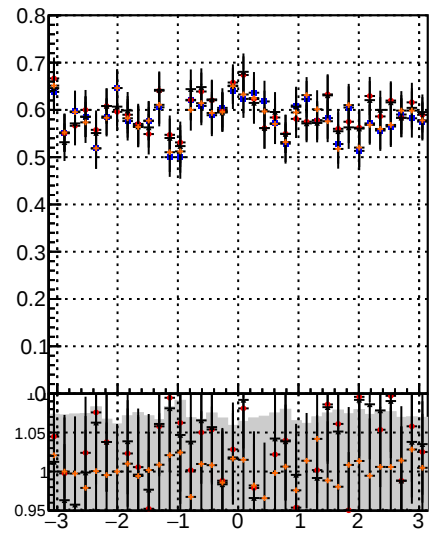


Fake rate vs p_T Duplicates Rate vs p_T Pileup rate vs p_T 

Legend for Fake rate vs p_T :

- $\text{BQM} \rightarrow \text{TT}$ (blue)
- $\text{BQM} \rightarrow \text{TT} + \text{MS}$ (red)
- $\text{BQM} \rightarrow \text{TT} + \text{MS} + \text{detT}$ (orange)
- $\text{BQM} \rightarrow \text{TT} + \text{MS} + \text{detT} + \text{dpdg}$ (grey)
- $\text{BQM} \rightarrow \text{TT} + \text{MS} + \text{detT} + \text{chiz}$ (black)

Fake rate vs ϕ Duplicates Rate vs ϕ Pileup rate vs ϕ 