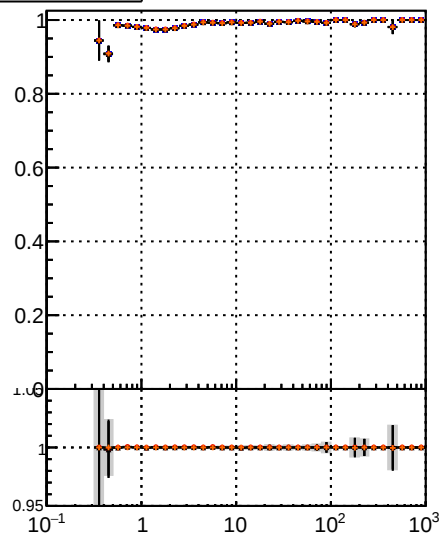
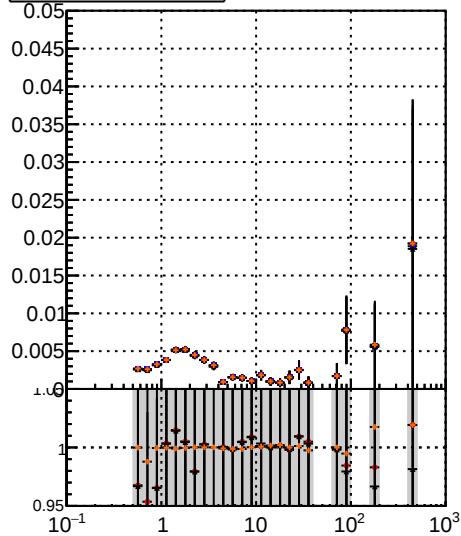
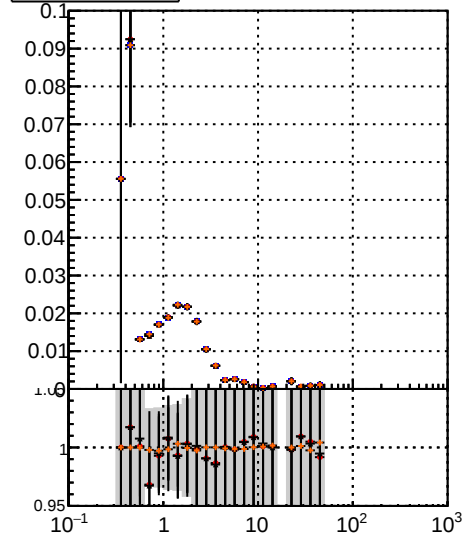
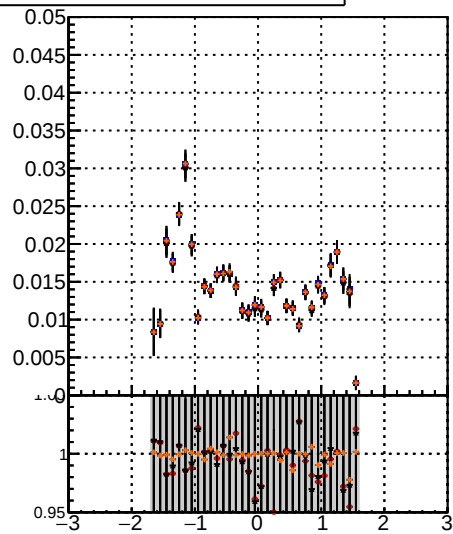
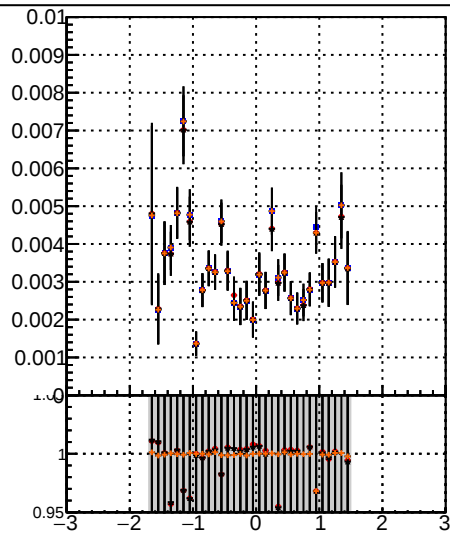
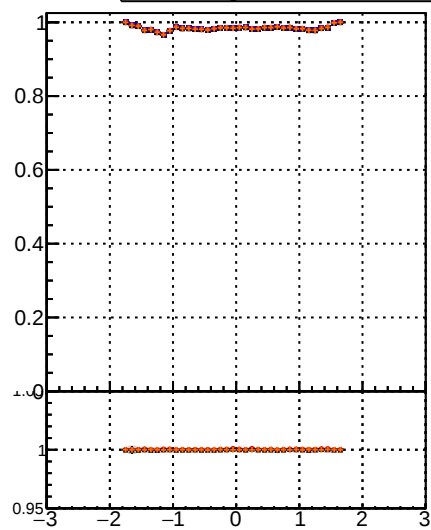
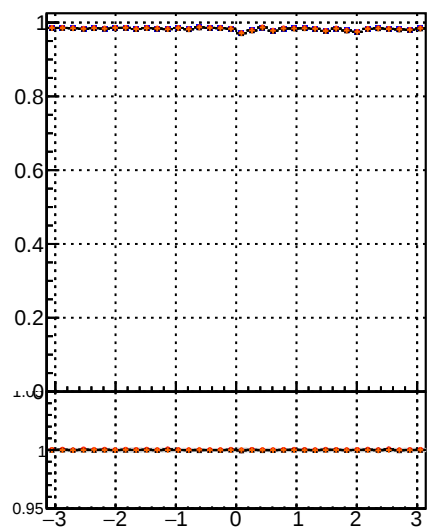
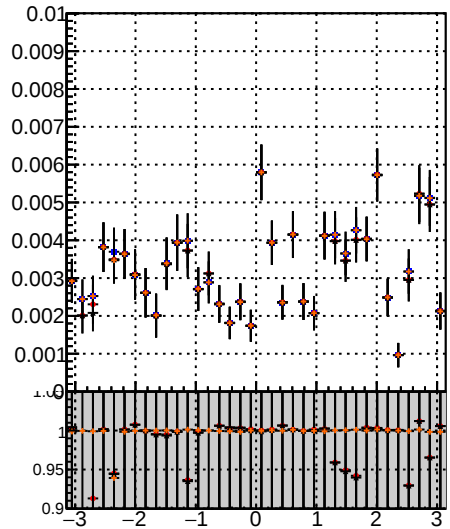


Fake rate vs p_T Duplicates Rate vs p_T Pileup rate vs p_T 

Legend for the plots:

- $\text{BQM TT MS detT-dpdq}$ (Blue line with circles)
- $\text{BQM TT MS detT-chiz}$ (Red line with circles)
- $\text{BQM TT MS detT-dpdq}$ (Black line with circles)
- $\text{BQM TT MS detT-chiz}$ (Black line with circles)

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