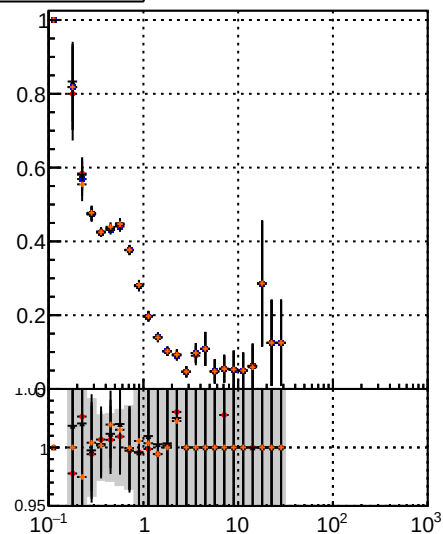
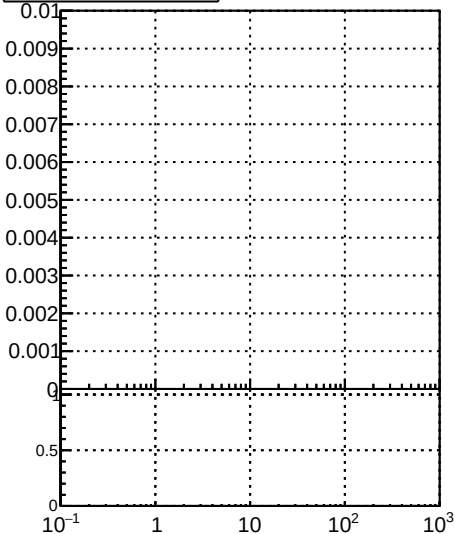
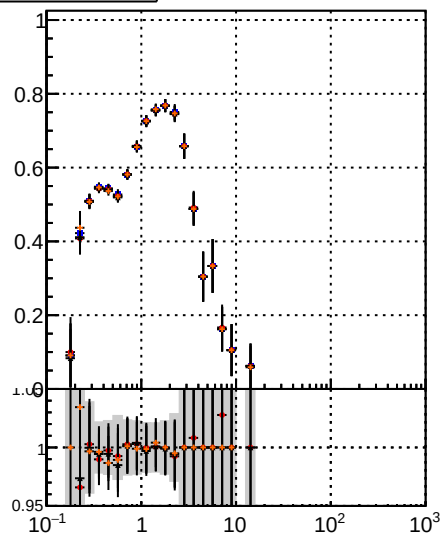
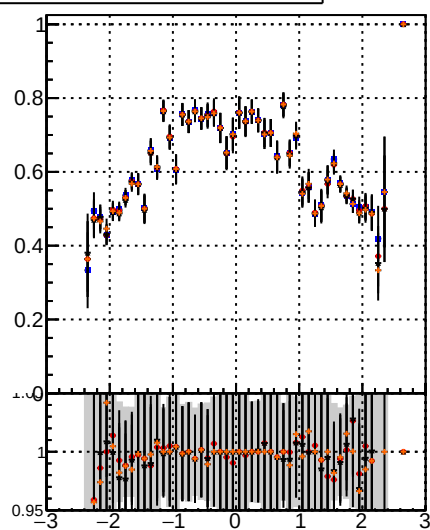
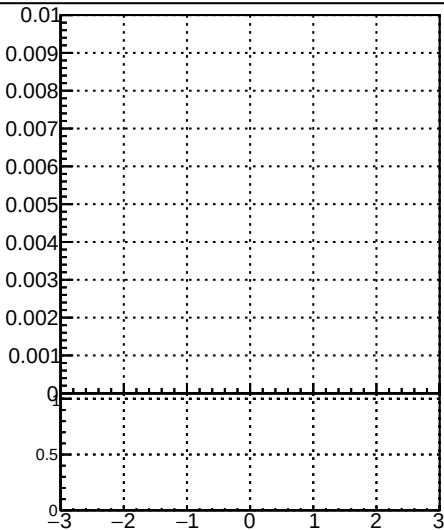
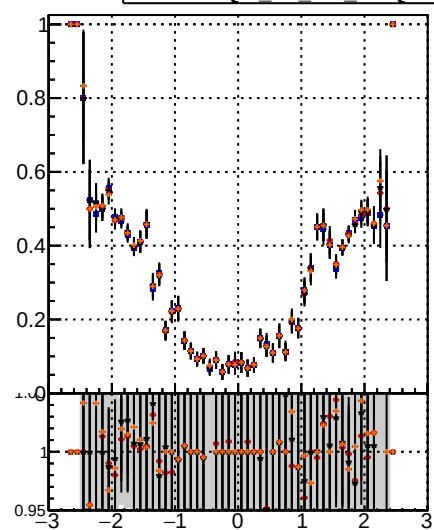
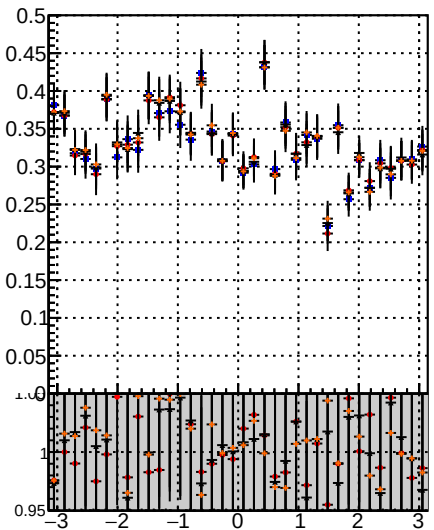
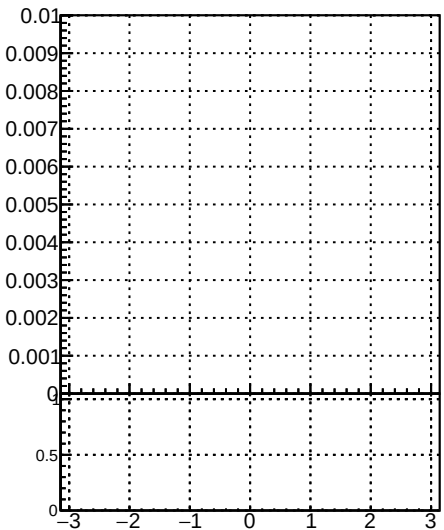


Fake rate vs p_T Duplicates Rate vs p_T Pileup rate vs p_T 

Legend for all plots:

- $\text{BQM} \text{ TT MS det09}$ (Blue line with circles)
- $\text{BQM} \text{ TT MS det01}$ (Red line with circles)
- $\text{BQM} \text{ TT MS det09}$ (Orange line with circles)

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