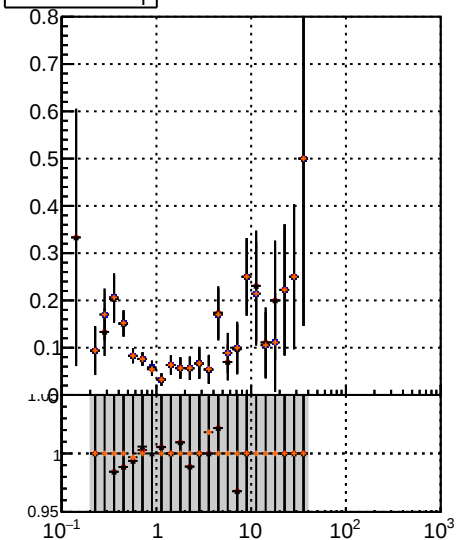
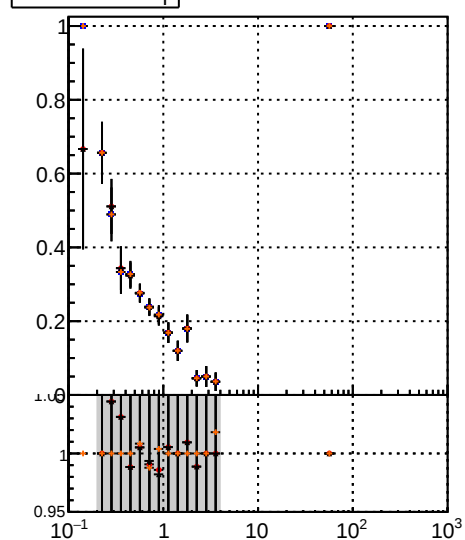
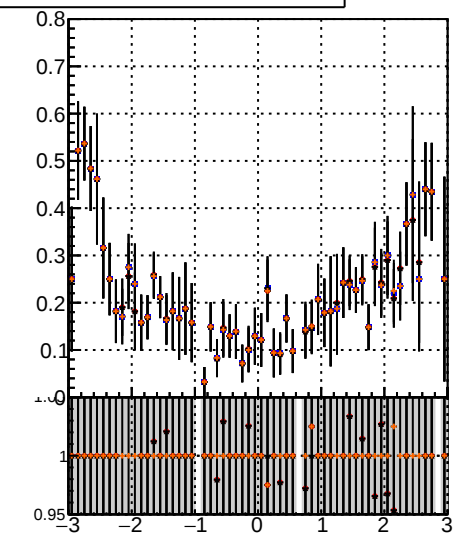
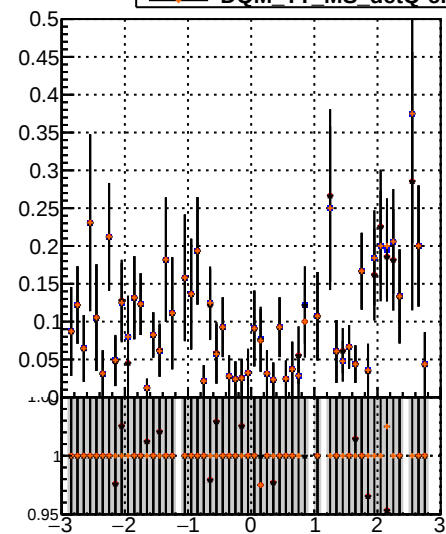
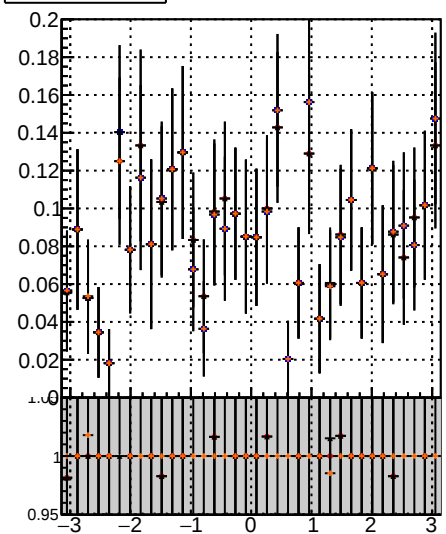


Fake rate vs p_T Duplicates Rate vs p_T Pileup rate vs p_T 

Legend for Fake rate vs p_T , Duplicates Rate vs p_T , and Pileup rate vs p_T :

- $0 < \eta < 1$ (blue)
- $1 < \eta < 2$ (red)
- $2 < \eta < 3$ (green)
- $3 < \eta < 4$ (black)

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