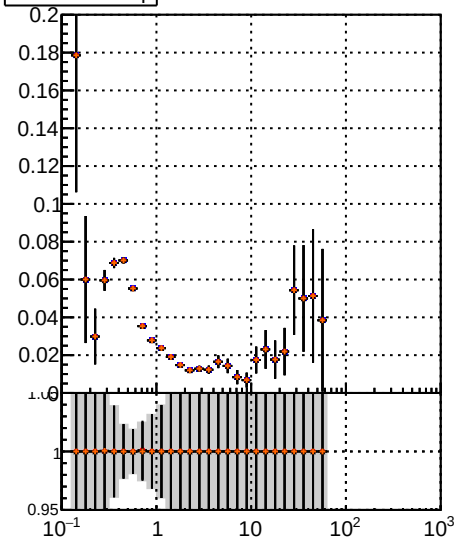
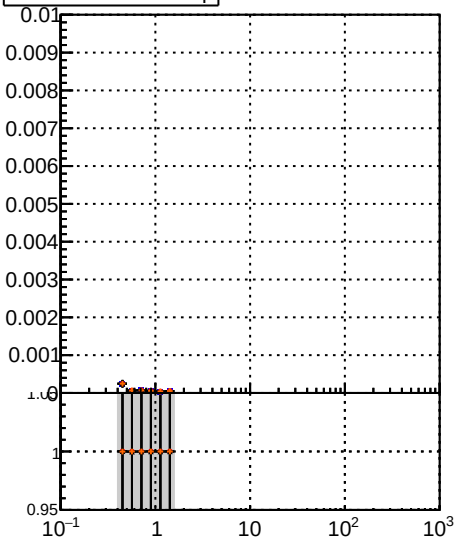
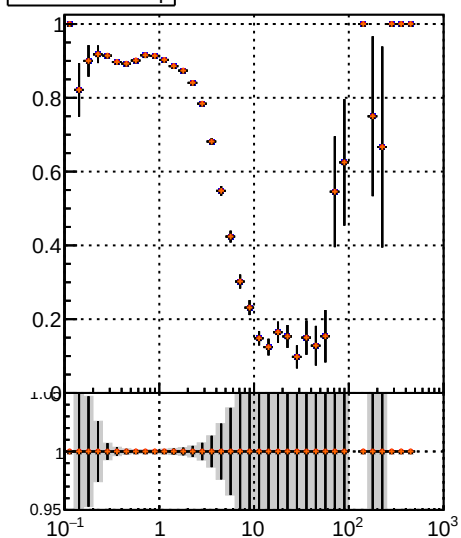
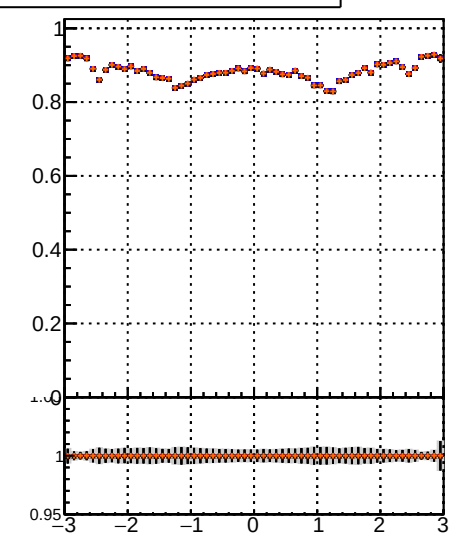
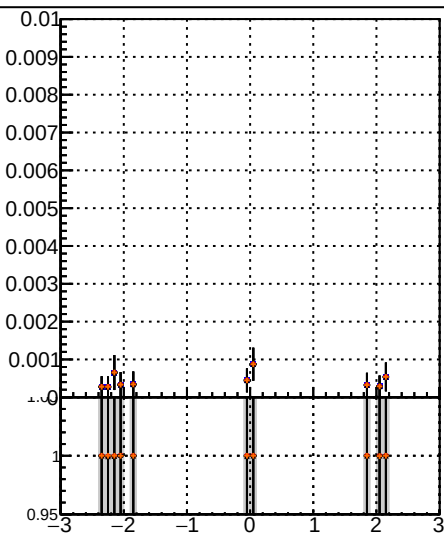
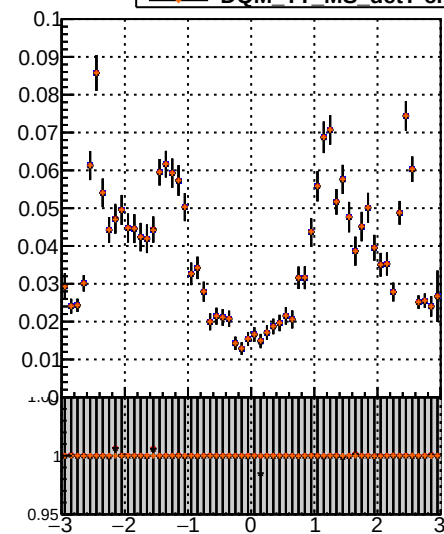
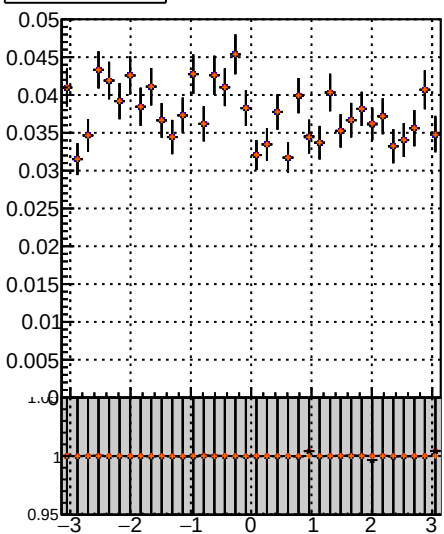
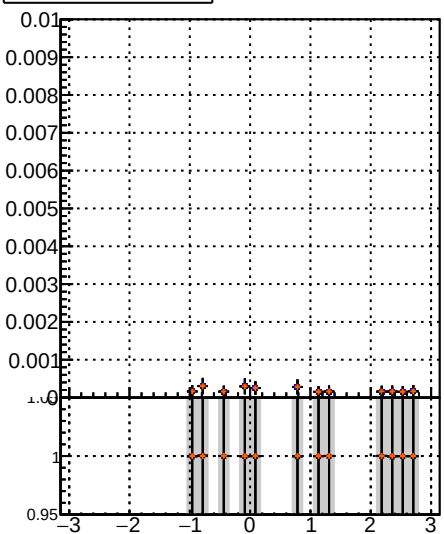


Fake rate vs p_T Duplicates Rate vs p_T Pileup rate vs p_T 

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

- MS_{detT} (blue line)
- $MS_{detT-dpdpq}$ (red line)
- $MS_{detT-chi2}$ (orange line)

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