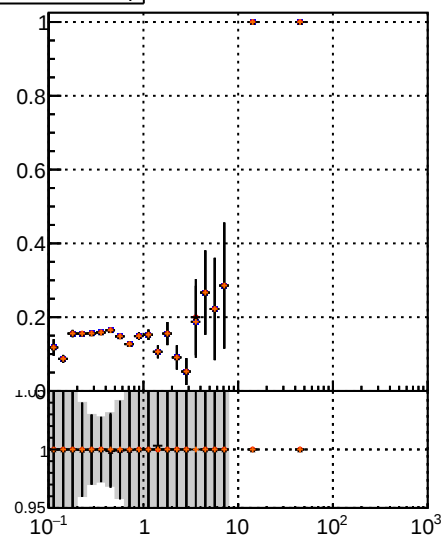
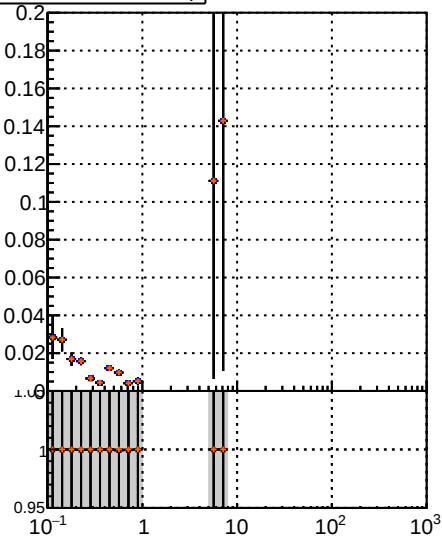
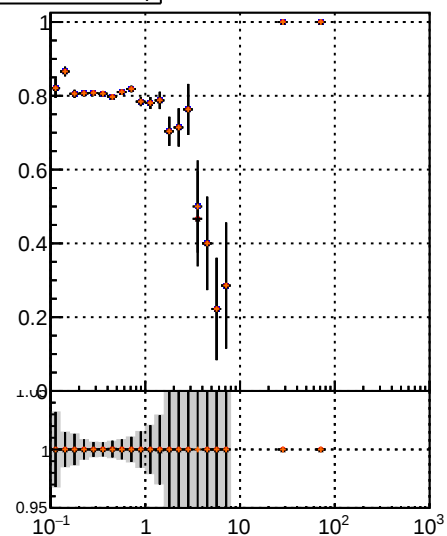
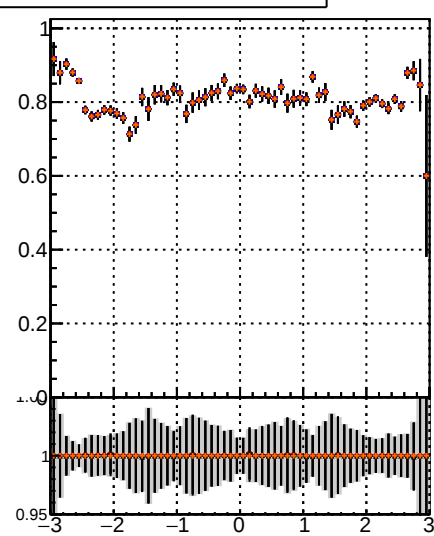
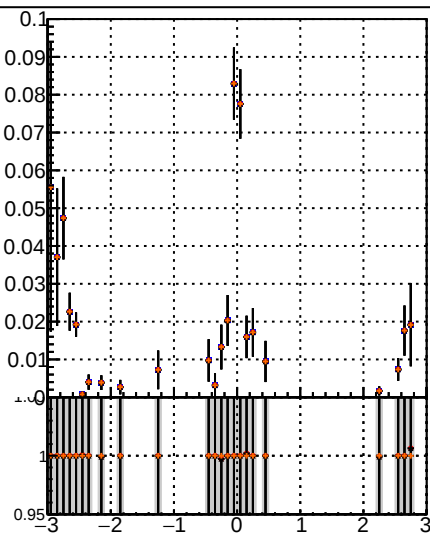
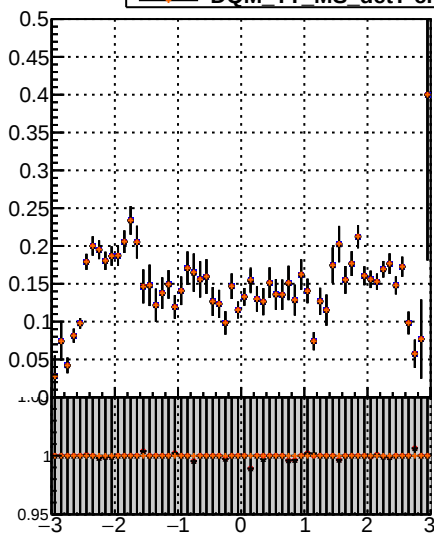
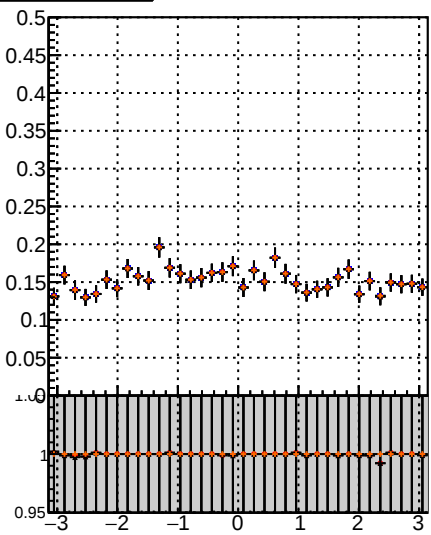
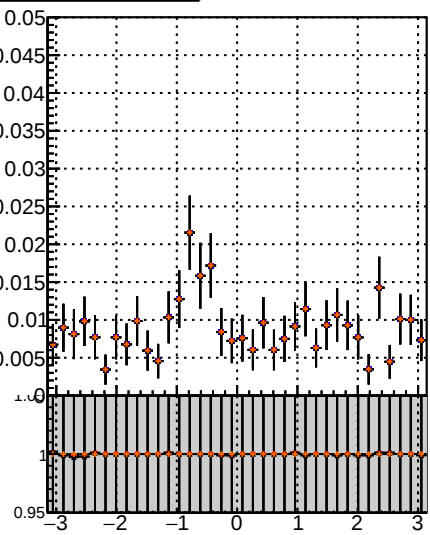


Fake rate vs  $p_T$ Duplicates Rate vs  $p_T$ Pileup rate vs  $p_T$ 

Legend for detector regions:

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

Fake rate vs  $\phi$ Duplicates Rate vs  $\phi$ Pileup rate vs  $\phi$ 