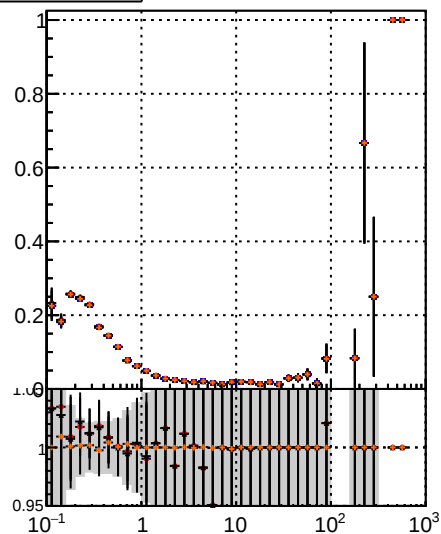
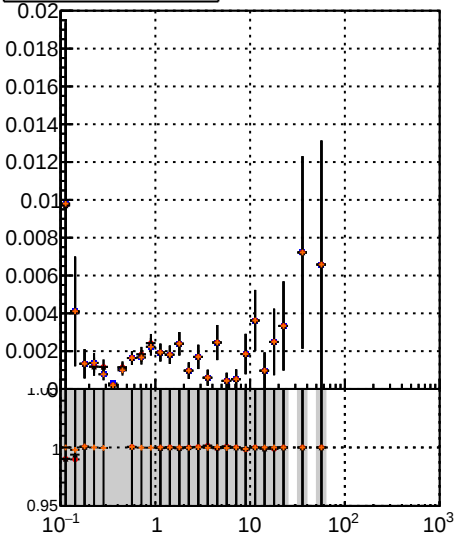
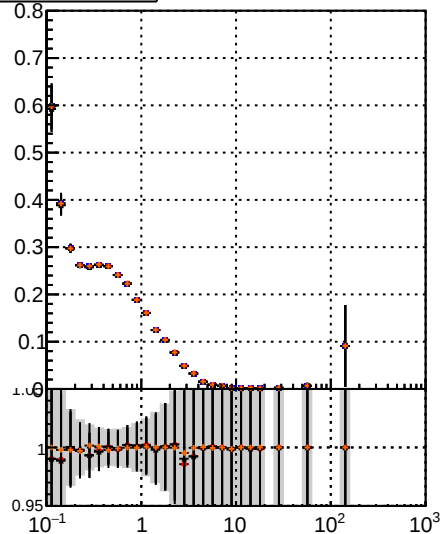
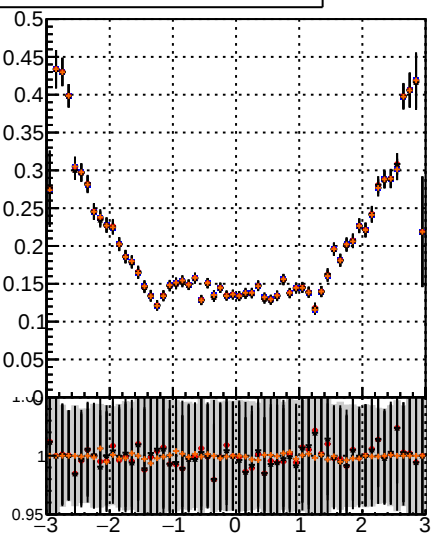
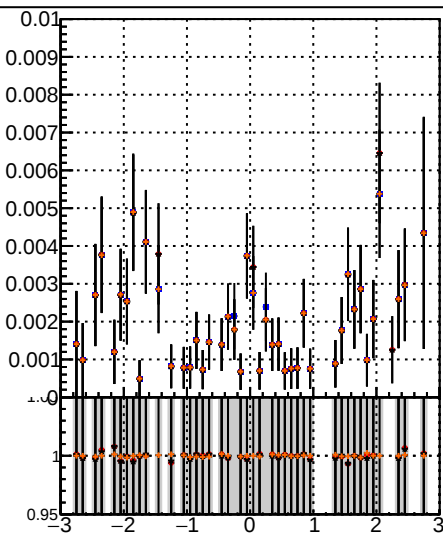
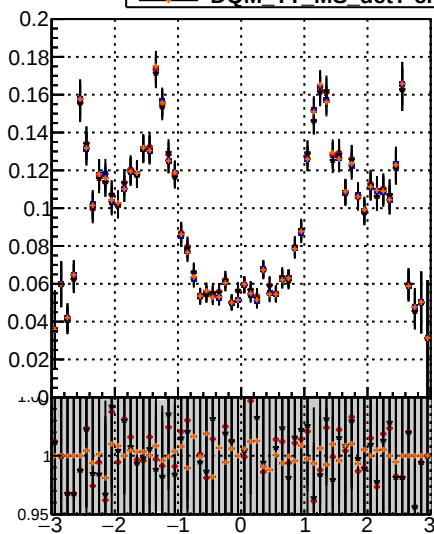
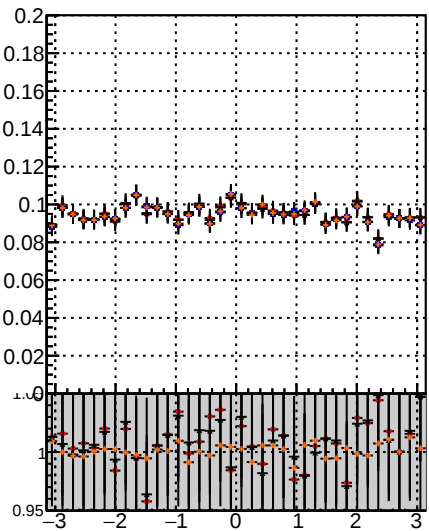
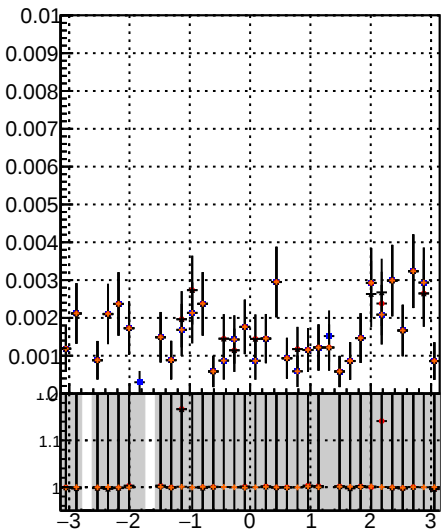


Fake rate vs  $p_T$ Duplicates Rate vs  $p_T$ Pileup rate vs  $p_T$ 

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

- $\text{detT}$  (blue)
- $\text{detT-dpdq}$  (red)
- $\text{detT-chi2}$  (orange)
- $\text{MS}$  (grey)

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