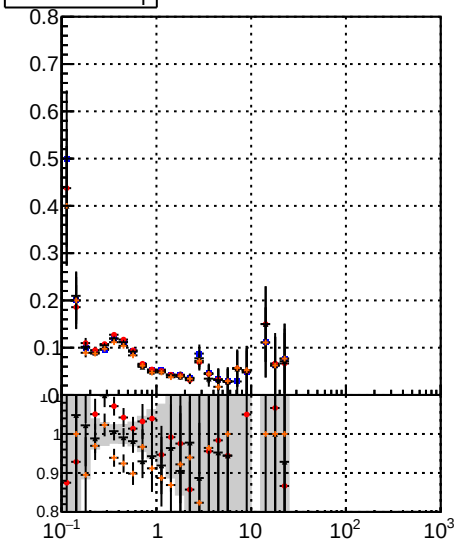
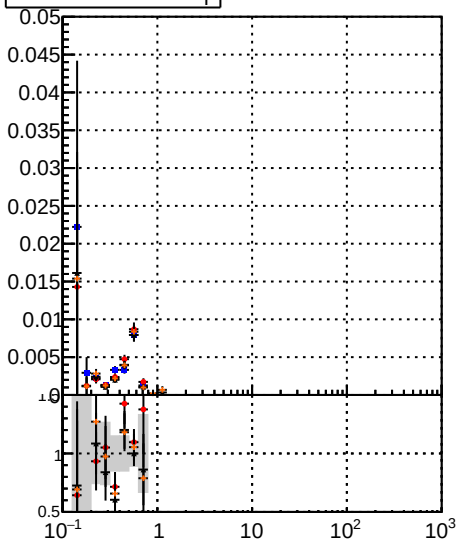
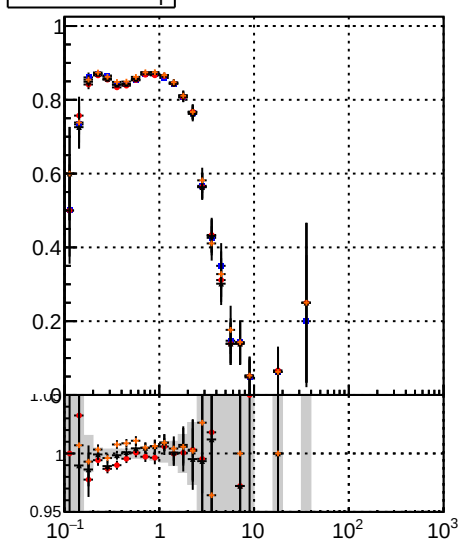
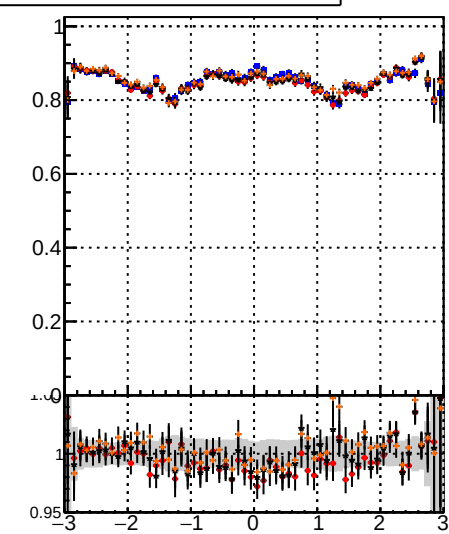
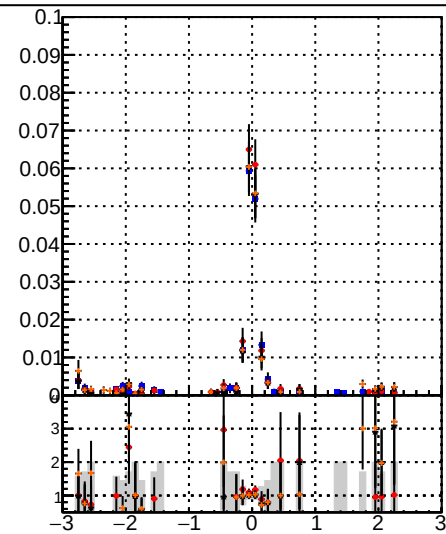
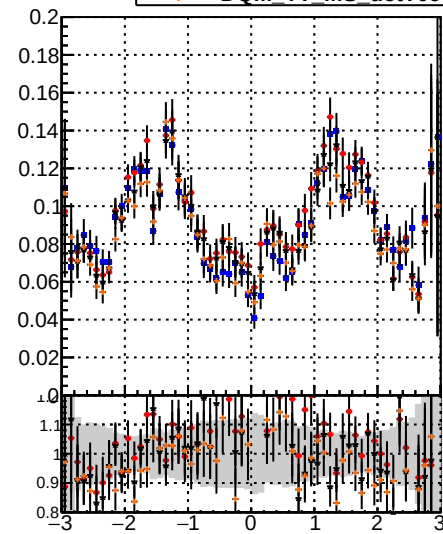
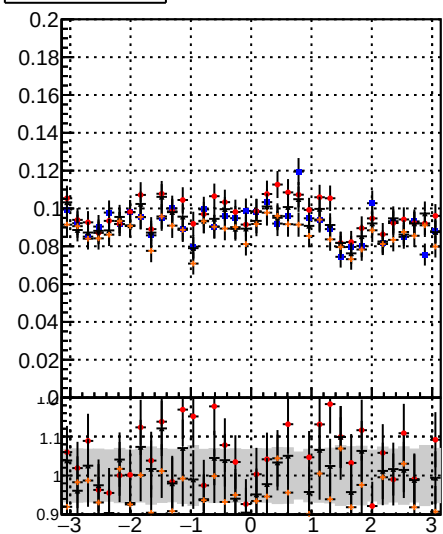
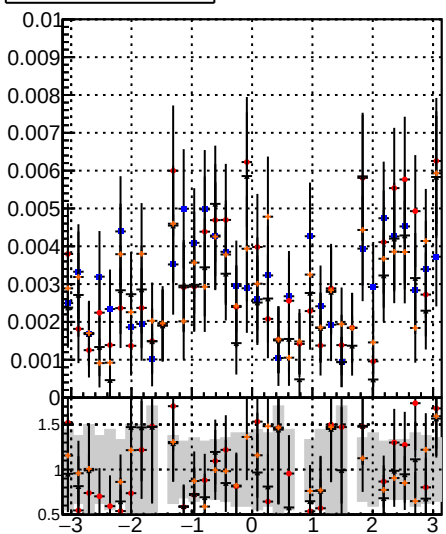


Fake rate vs  $p_T$ Duplicates Rate vs  $p_T$ Pileup rate vs  $p_T$ 

Legend for the plots:

- $p_T$  bins (blue circles)
- $p_T$  bins (red circles)
- $p_T$  bins (orange circles)
- $p_T$  bins (black circles)
- $p_T$  bins (grey circles)
- $p_T$  bins (light grey circles)
- $p_T$  bins (very light grey circles)
- $p_T$  bins (white circles)

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