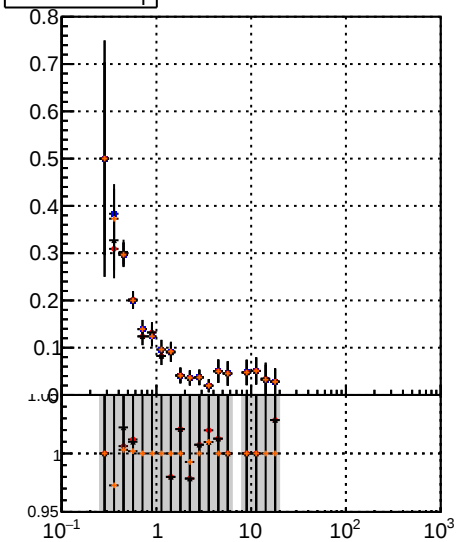
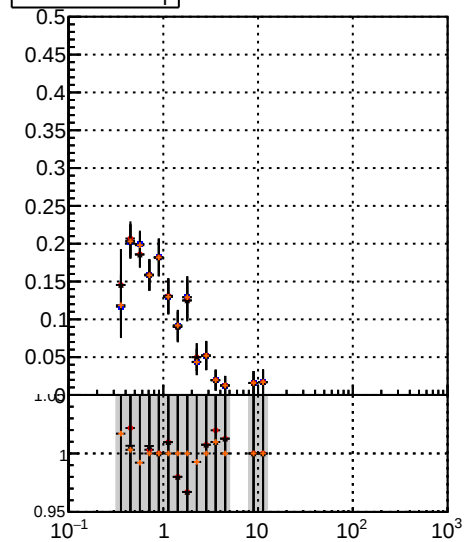
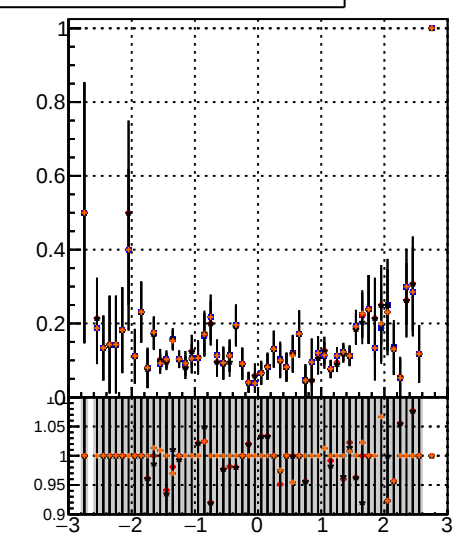
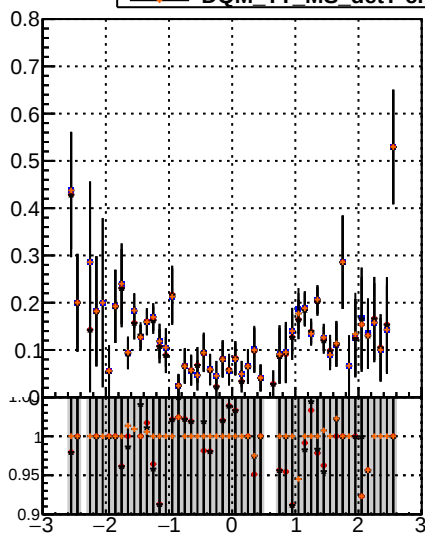
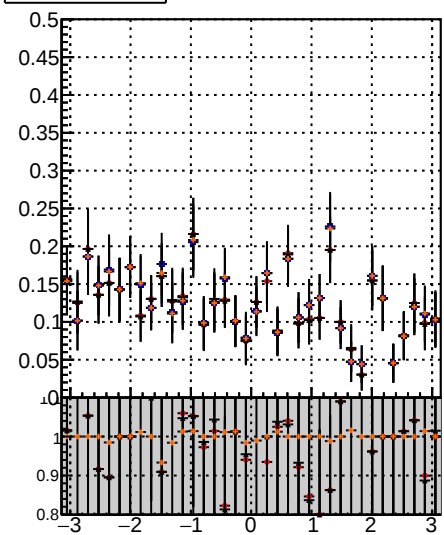


Fake rate vs p_T Duplicates Rate vs p_T Pileup rate vs p_T 

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

- $B^0 \rightarrow \pi^+ \pi^-$ (blue)
- $B^0 \rightarrow \pi^+ \pi^-$ (red)
- $B^0 \rightarrow \pi^+ \pi^-$ (green)
- $B^0 \rightarrow \pi^+ \pi^-$ (orange)
- $B^0 \rightarrow \pi^+ \pi^-$ (purple)
- $B^0 \rightarrow \pi^+ \pi^-$ (brown)
- $B^0 \rightarrow \pi^+ \pi^-$ (pink)
- $B^0 \rightarrow \pi^+ \pi^-$ (gray)
- $B^0 \rightarrow \pi^+ \pi^-$ (light blue)
- $B^0 \rightarrow \pi^+ \pi^-$ (light red)
- $B^0 \rightarrow \pi^+ \pi^-$ (light green)
- $B^0 \rightarrow \pi^+ \pi^-$ (light orange)
- $B^0 \rightarrow \pi^+ \pi^-$ (light purple)
- $B^0 \rightarrow \pi^+ \pi^-$ (light brown)
- $B^0 \rightarrow \pi^+ \pi^-$ (light pink)
- $B^0 \rightarrow \pi^+ \pi^-$ (light gray)
- $B^0 \rightarrow \pi^+ \pi^-$ (light light blue)
- $B^0 \rightarrow \pi^+ \pi^-$ (light light red)
- $B^0 \rightarrow \pi^+ \pi^-$ (light light green)
- $B^0 \rightarrow \pi^+ \pi^-$ (light light orange)
- $B^0 \rightarrow \pi^+ \pi^-$ (light light purple)
- $B^0 \rightarrow \pi^+ \pi^-$ (light light brown)
- $B^0 \rightarrow \pi^+ \pi^-$ (light light pink)
- $B^0 \rightarrow \pi^+ \pi^-$ (light light gray)

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