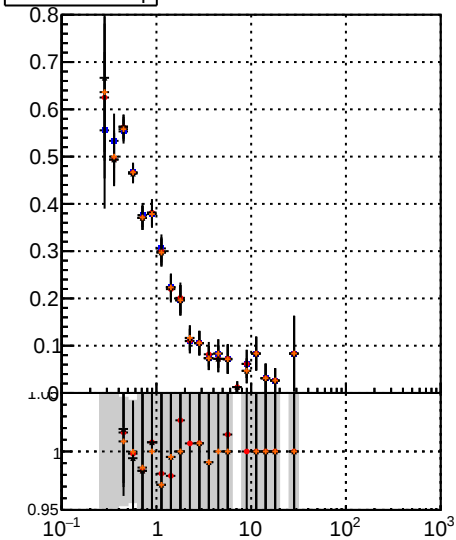
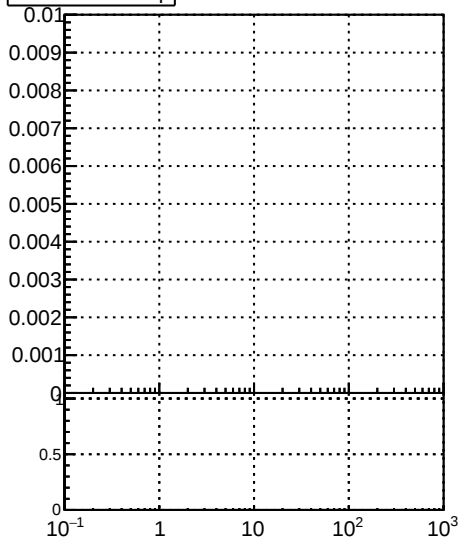
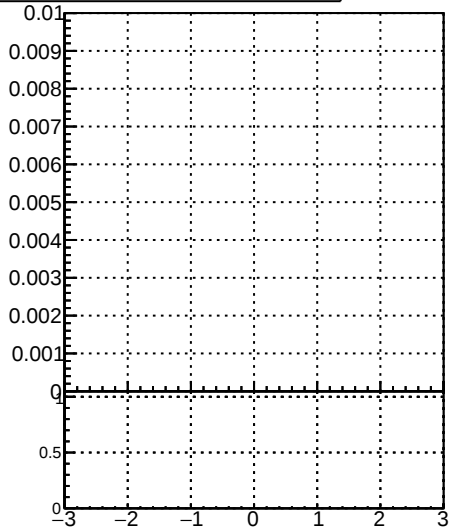
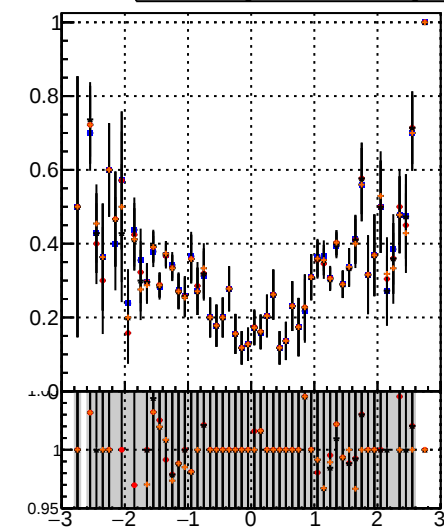
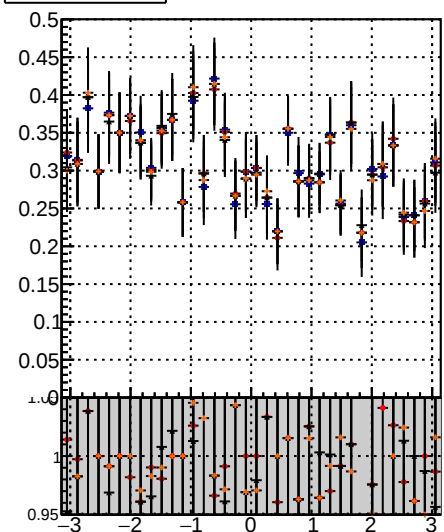


Fake rate vs p_T Duplicates Rate vs p_T Pileup rate vs p_T 

$0 < \eta < 1$ MS
 $1 < \eta < 2$ MS
 $2 < \eta < 3$ MS
 $3 < \eta < 4$ MS

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