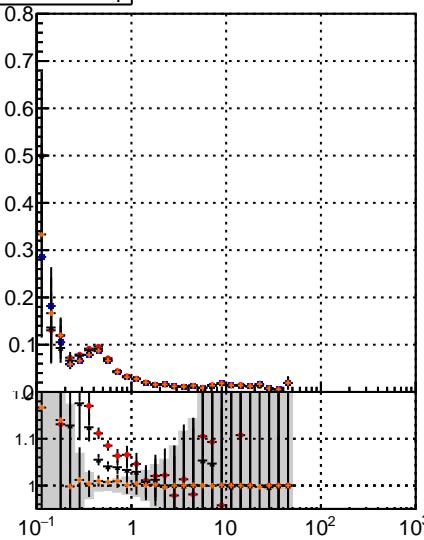
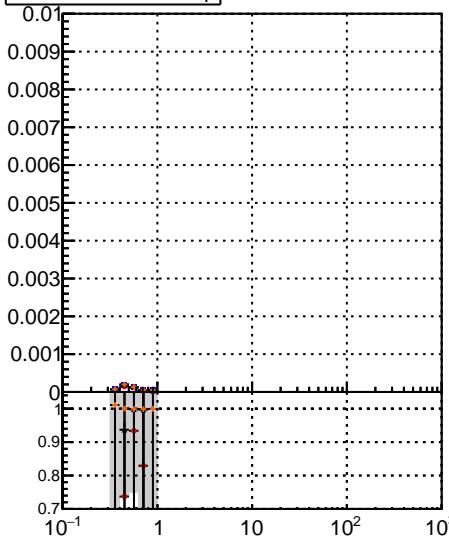
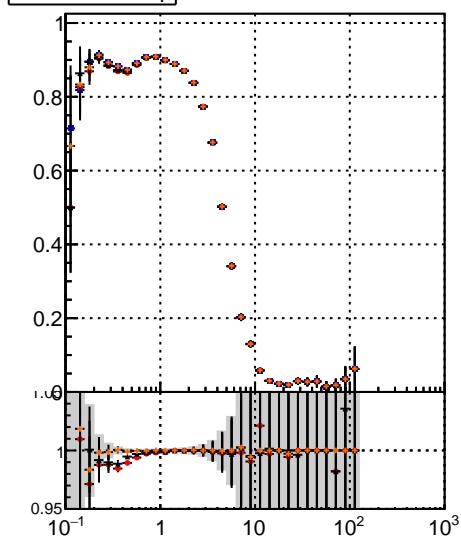
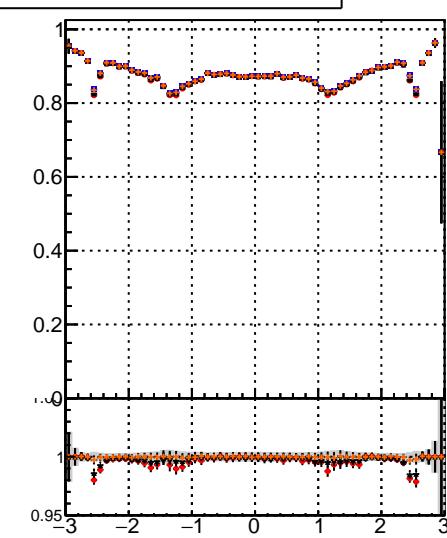
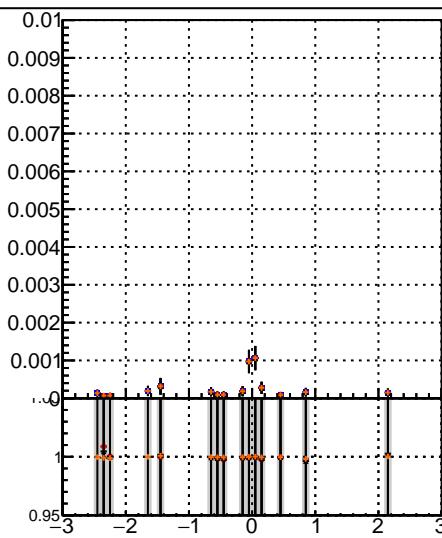
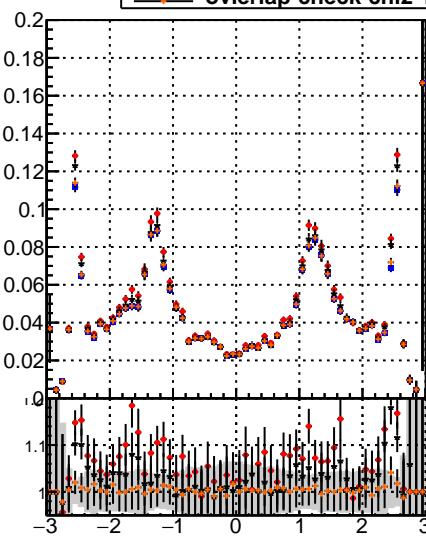
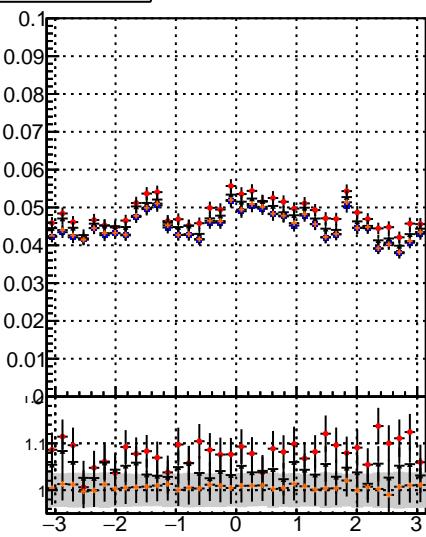
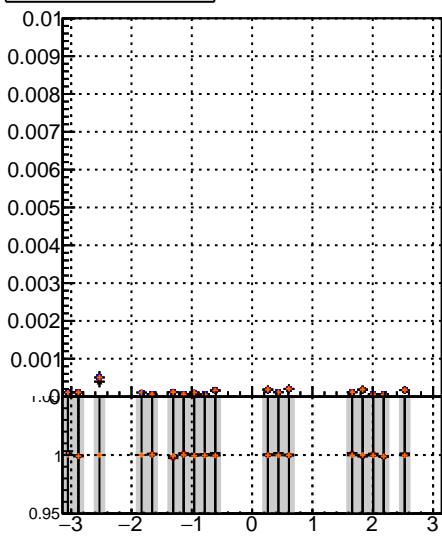


Fake rate vs p_T Duplicates Rate vs p_T Pileup rate vs p_T 

mkFit 13.0.0p4
 ovlerlap-check- $\chi^2=60$
 ovlerlap-check- $\chi^2=100$
 ovlerlap-check- $\chi^2=1000$

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