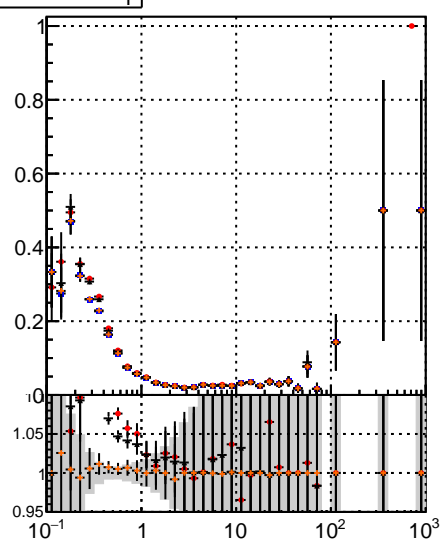
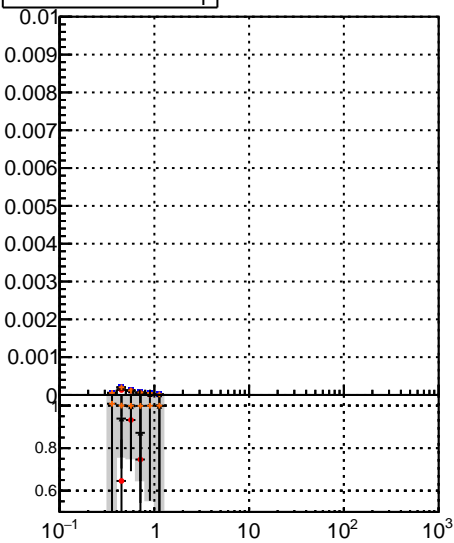
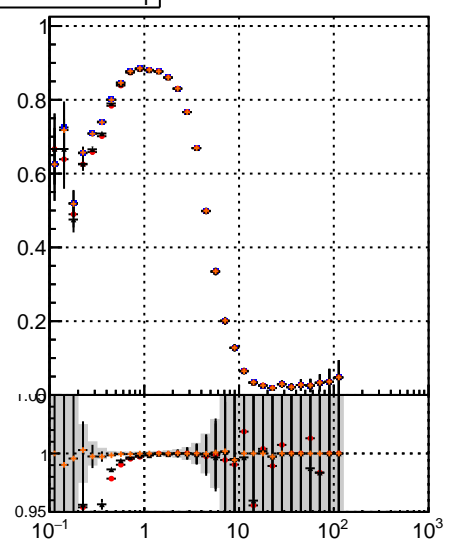
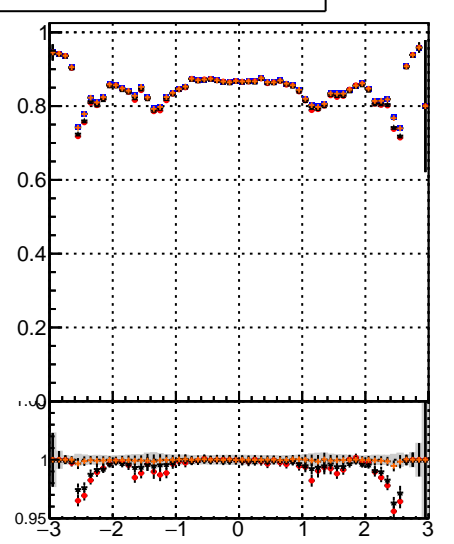
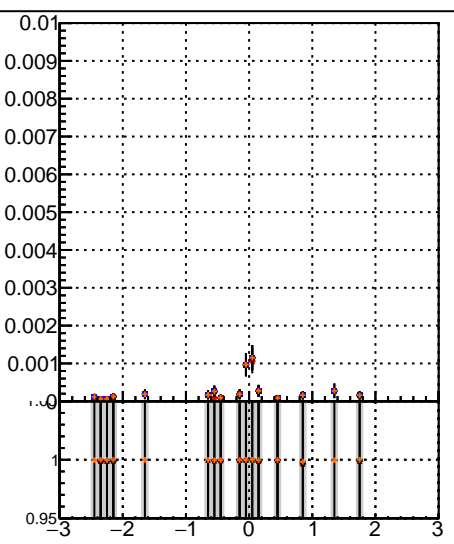
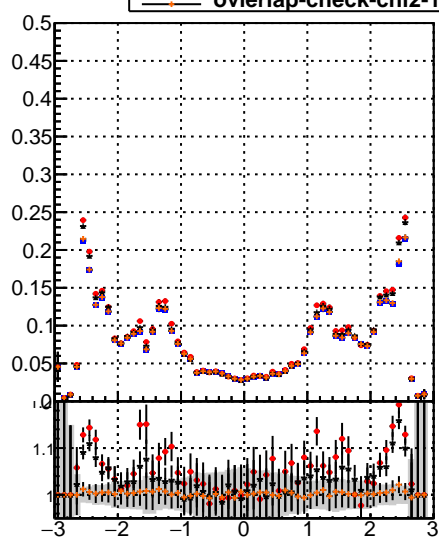
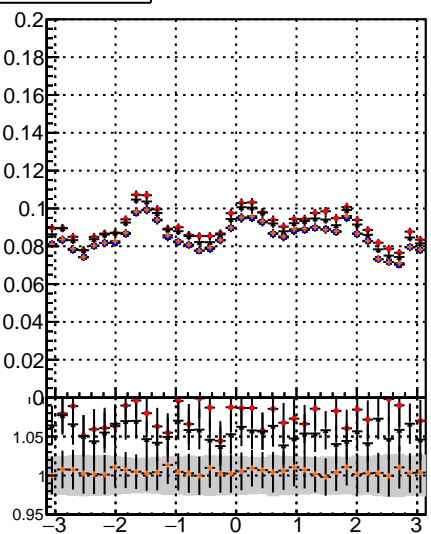
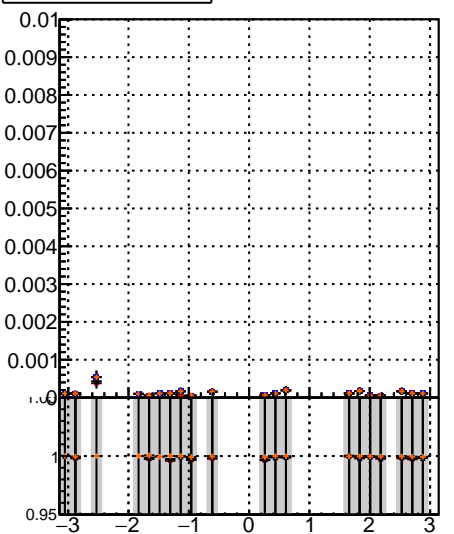


**Fake rate vs  $p_T$** **Duplicates Rate vs  $p_T$** **Pileup rate vs  $p_T$** 

mkFit 13.0.0p4  
 overlap-check-chi2-60  
 overlap-check-chi2-1100  
 overlap-check-chi2-10000

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