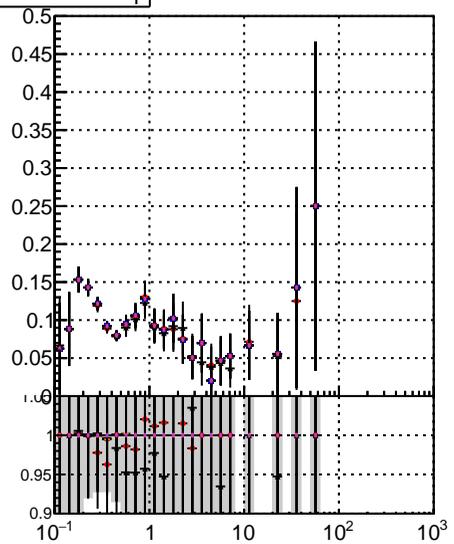
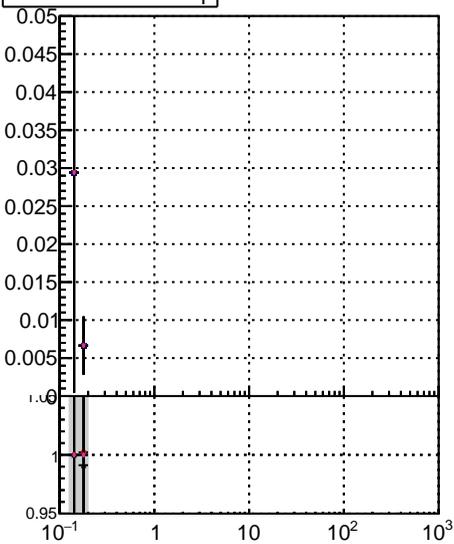
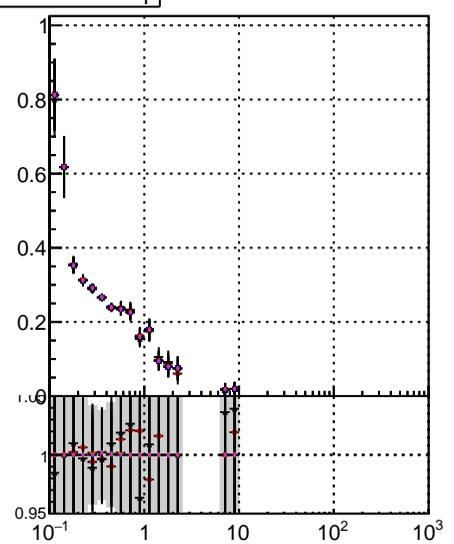
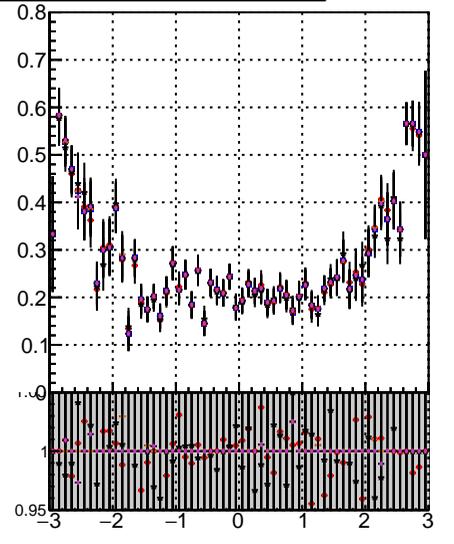
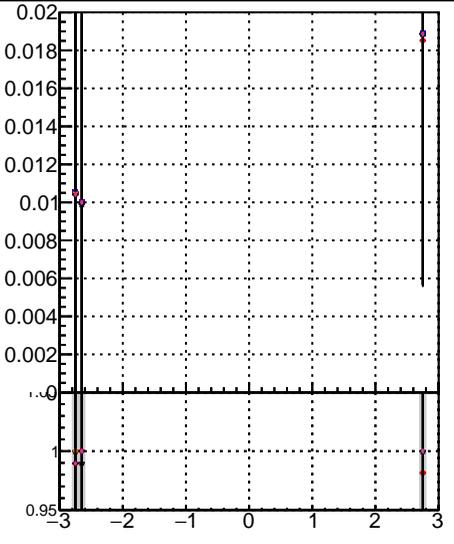
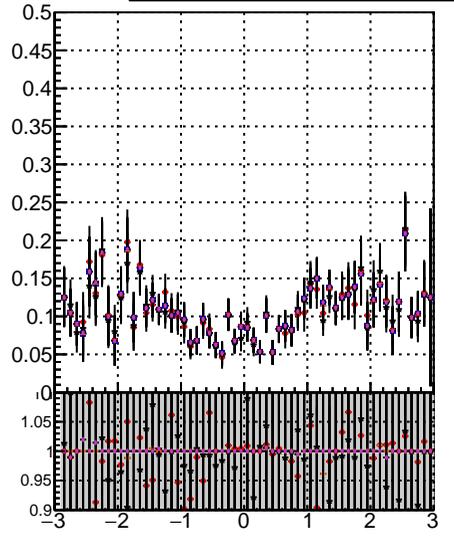
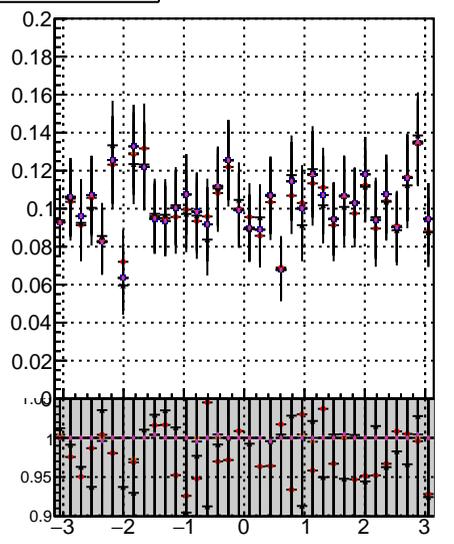
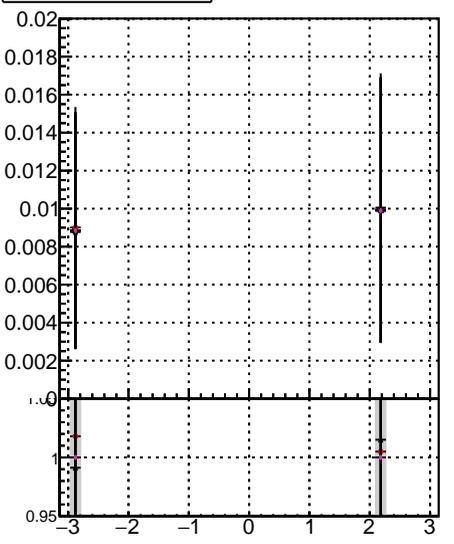


**Fake rate vs  $p_T$** **Duplicates Rate vs  $p_T$** **Pileup rate vs  $p_T$** 

—•— Orig/DQM\_orig\_MS  
—•— higher Tri/DQM\_orig\_MS  
—•— detached/DQM\_orig\_MS

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