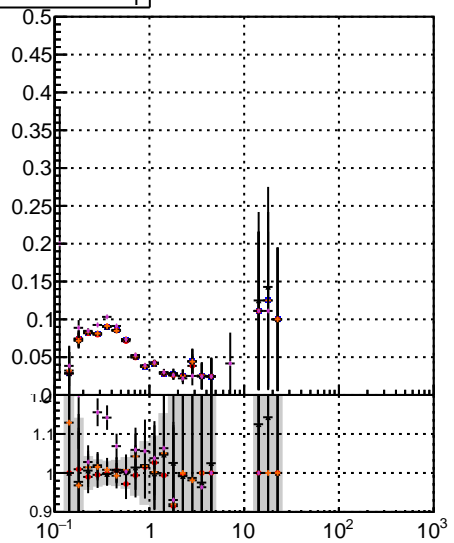
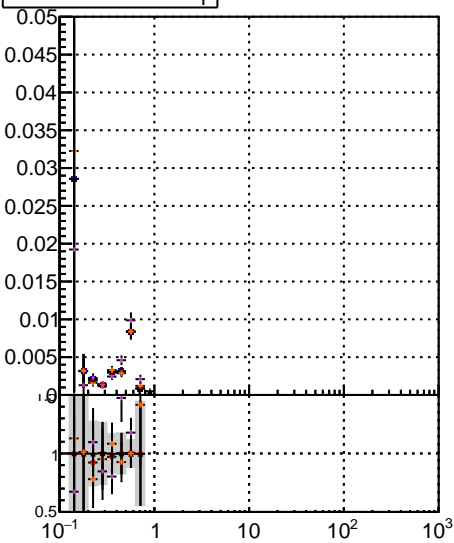
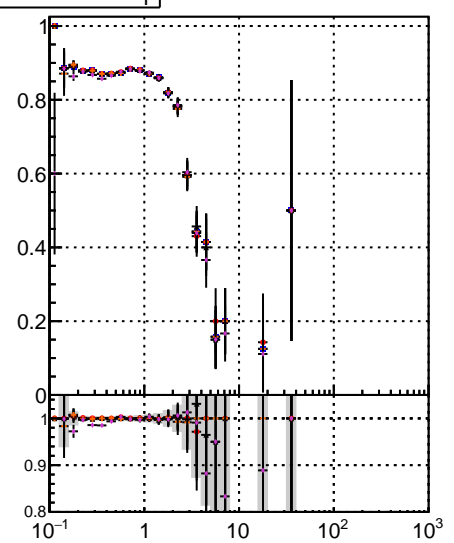
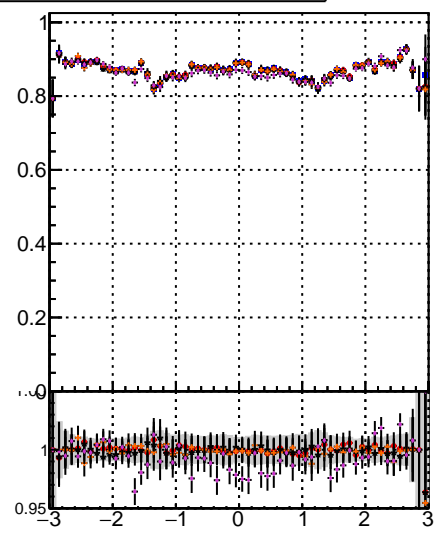
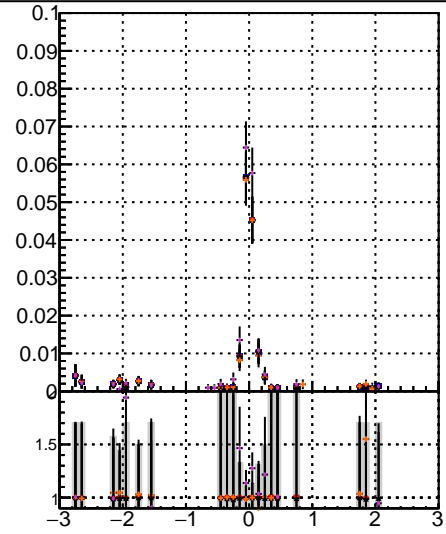
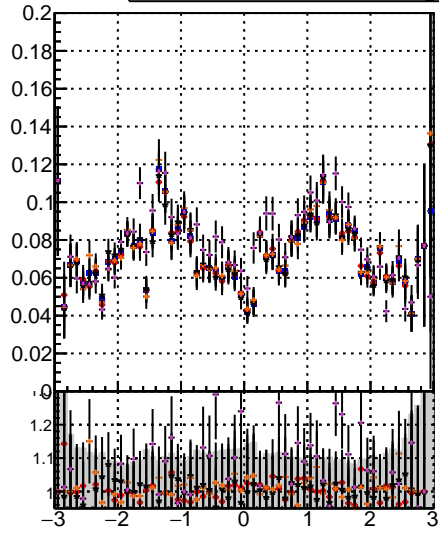
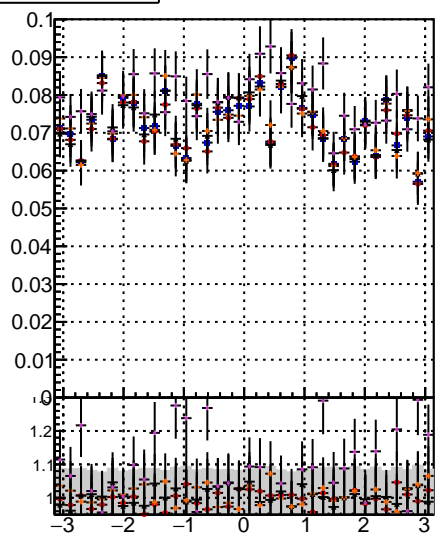
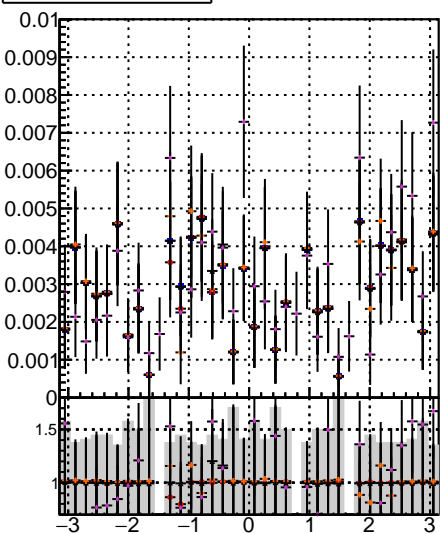


**Fake rate vs  $p_T$** **Duplicates Rate vs  $p_T$** **Pileup rate vs  $p_T$** 

Orig/DQM\_orig\_MS  
 higher/DQM\_orig\_MS  
 detached/DQM\_orig\_MS  
 higher/DQM\_detached\_MS

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