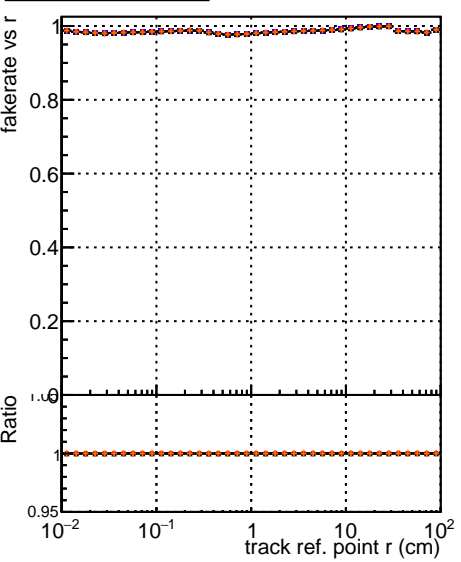
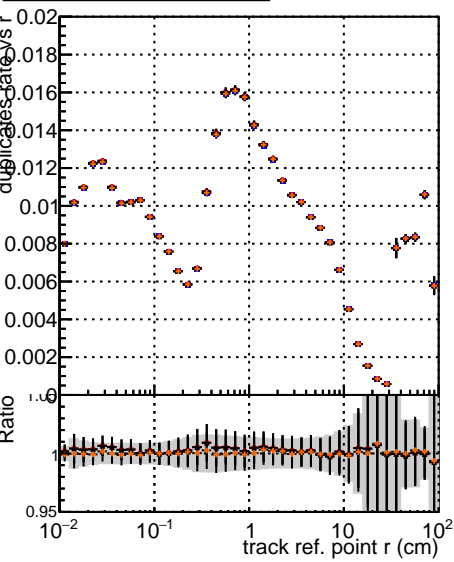
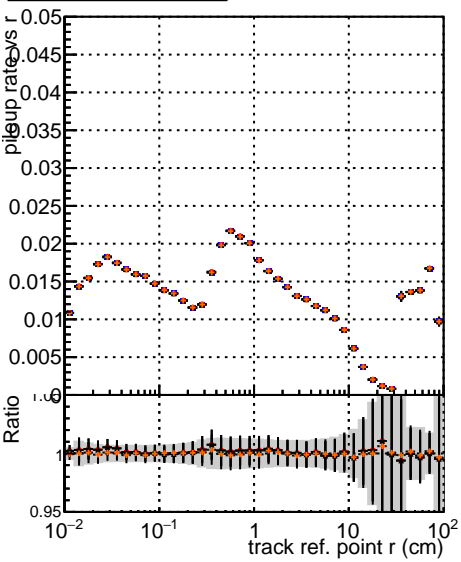
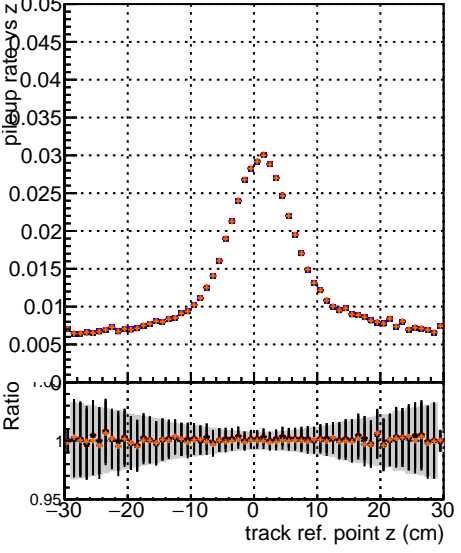
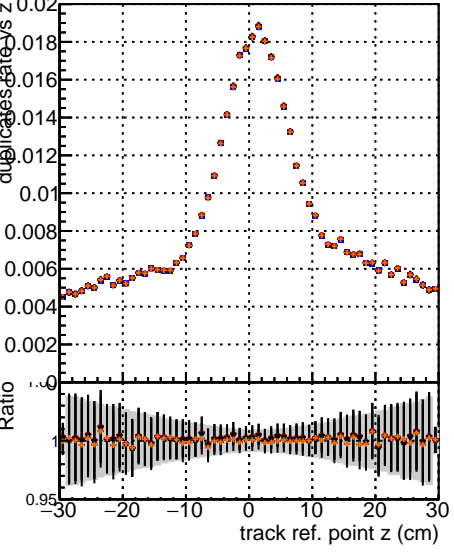
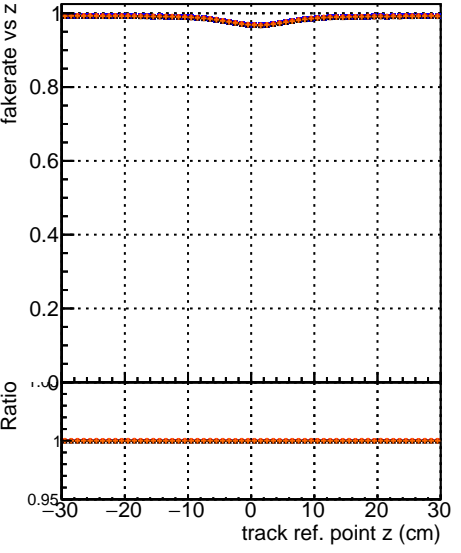
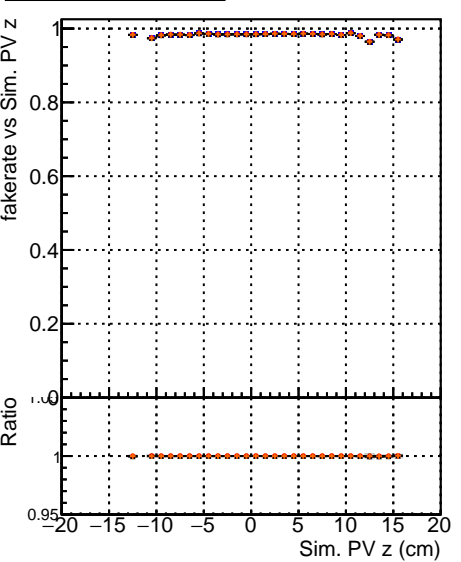
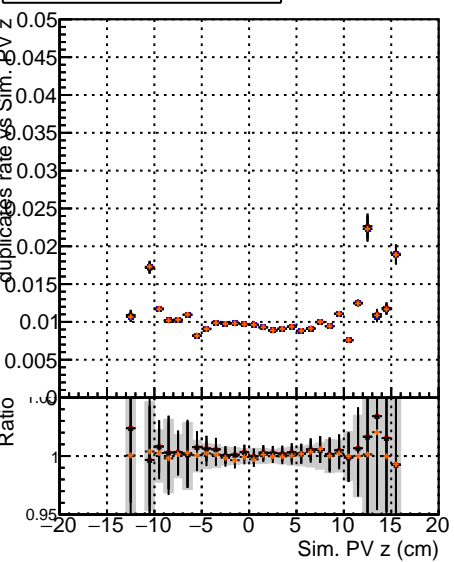


**Fake rate vs vertpos****Duplicates Rate vs vertpos****Pileup rate vs vertpos**
**Fake rate vs v**  
 Legend:  
 - original (black line)  
 - DQM PU3 (red line)  
 - DQM PU2 (blue line)  
 - DQM PU1 (green line)
**Fake rate vs. sim PV z****Duplicates Rate vs sim PV z****Pileup rate vs. sim PV z**