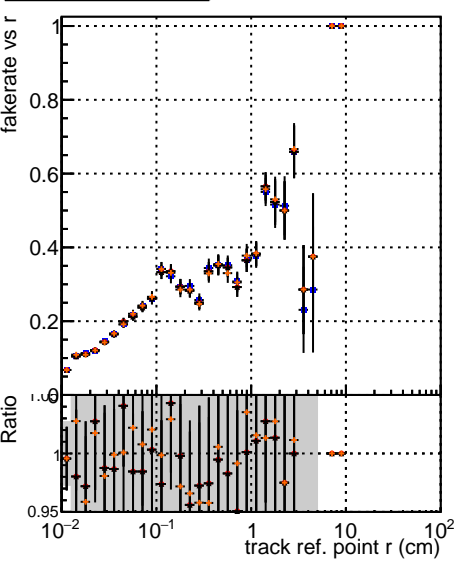
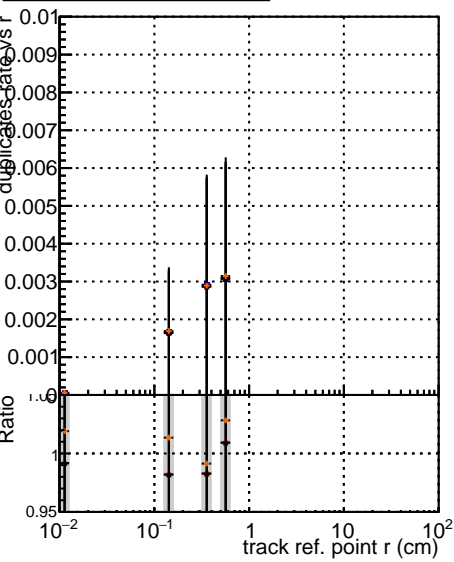
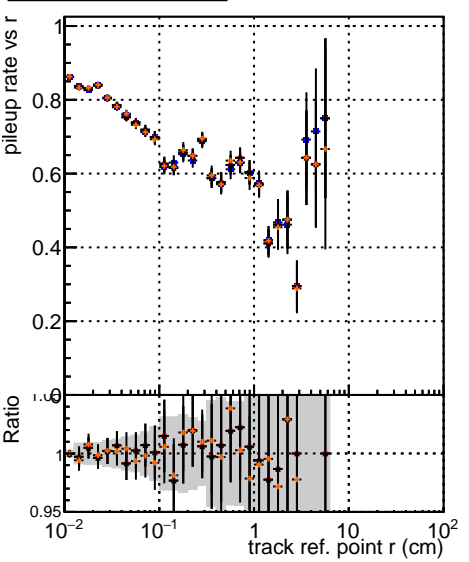
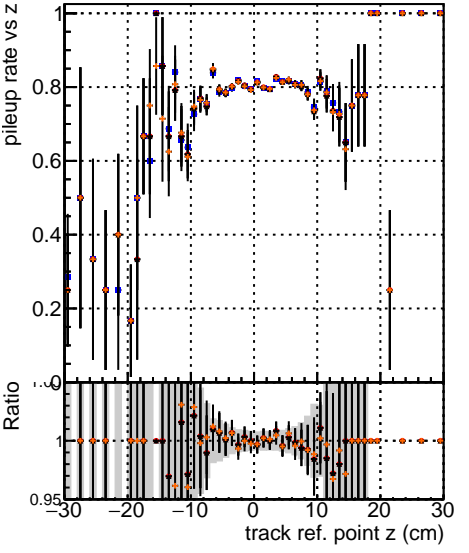
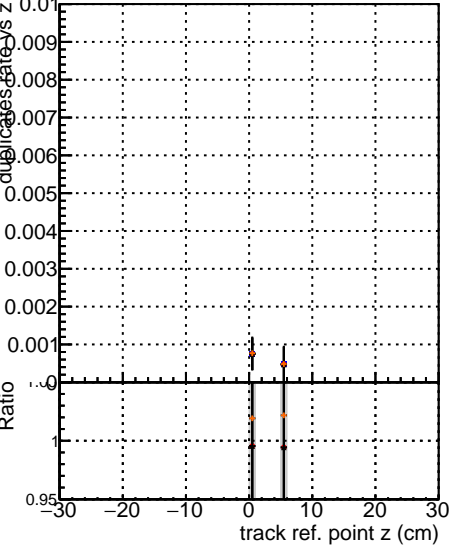
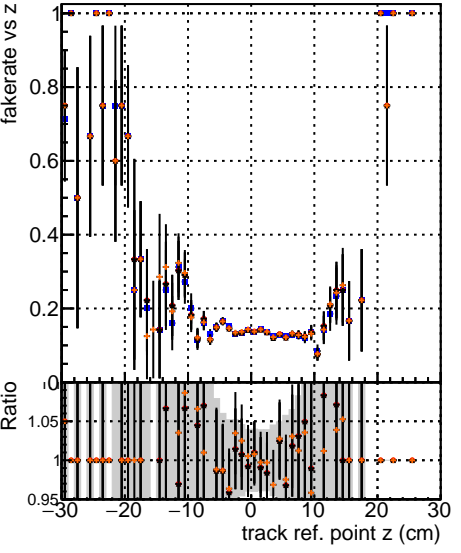
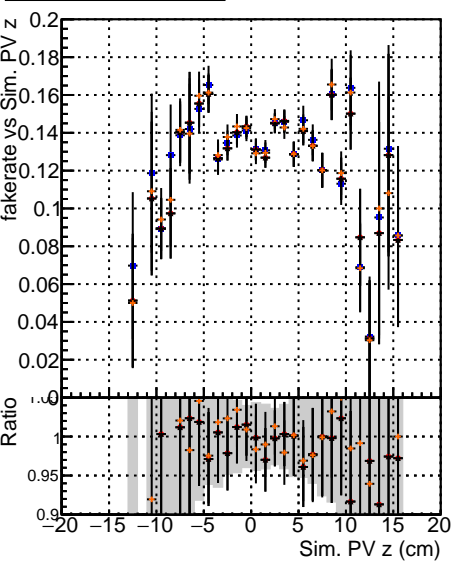
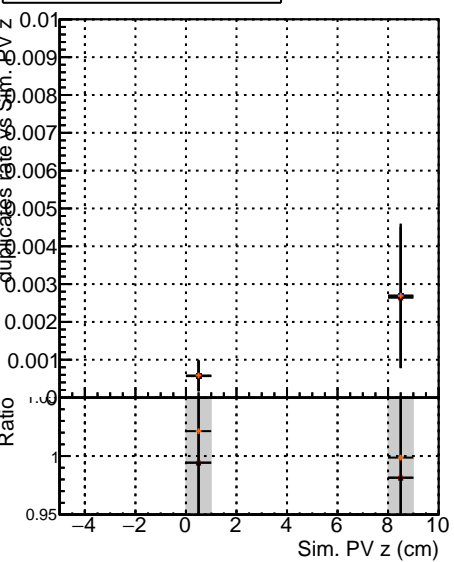


**Fake rate vs vertpos****Duplicates Rate vs vertpos****Pileup rate vs vertpos**
**Fake rate vs v**  
 Legend:  
 - Blue squares: DQM TT original  
 - Red circles: REDO  
 - Orange triangles: signal option0  
 - Green diamonds: signal option1  
 - Purple stars: signal option2
**Fake rate vs. sim PV z****Duplicates Rate vs sim PV z****Pileup rate vs. sim PV z**