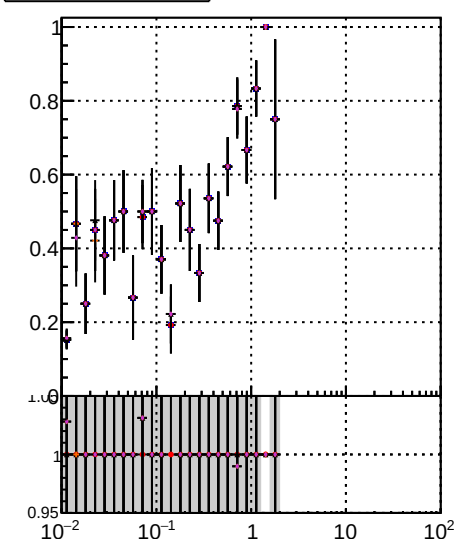
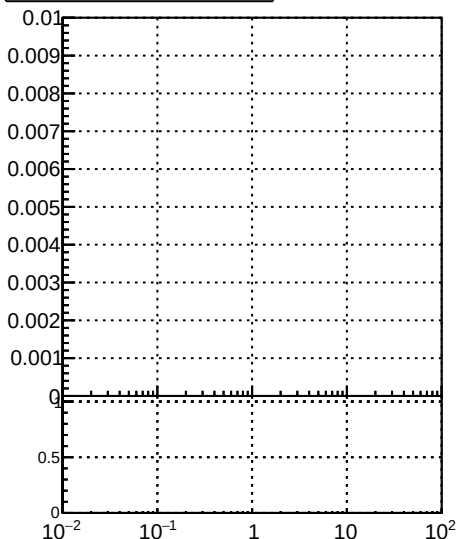


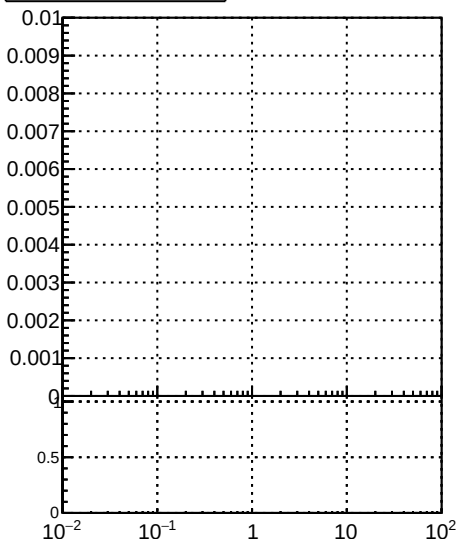
Fake rate vs vertpos



Duplicates Rate vs vertpos



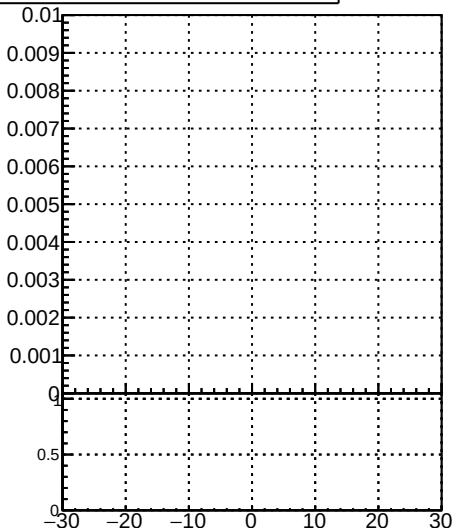
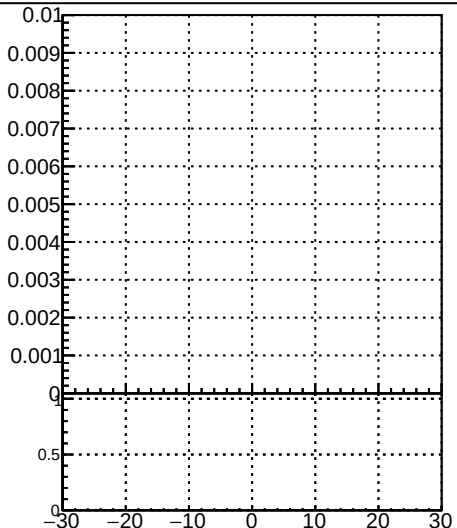
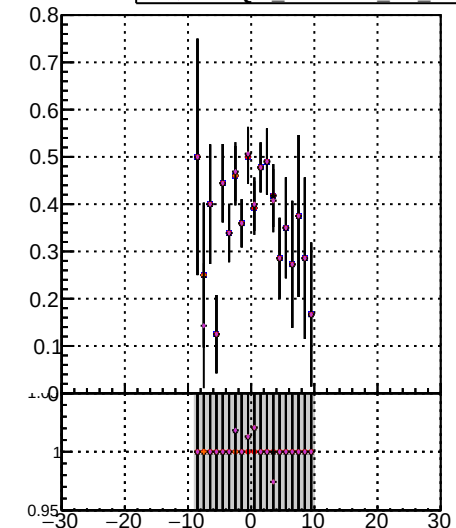
Pileup rate vs vertpos



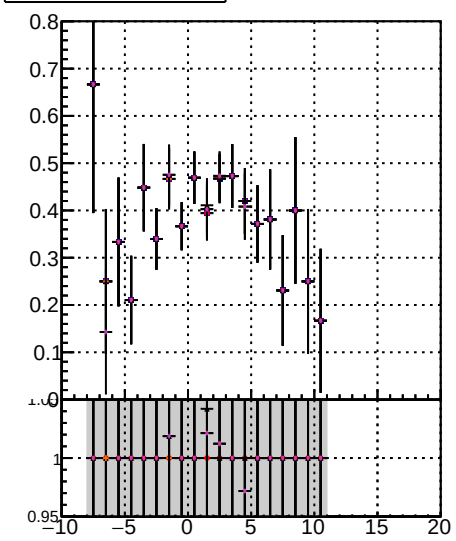
Fake rate vs v

Legend:

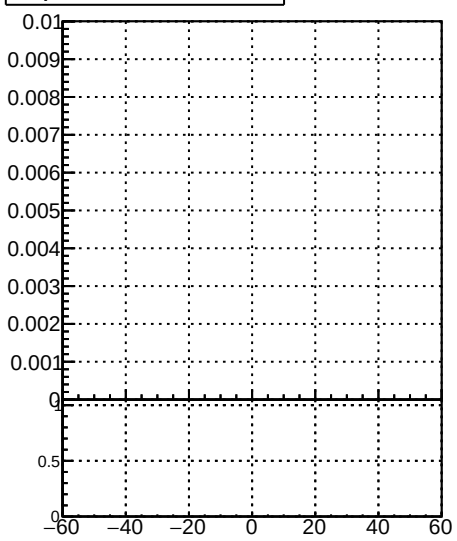
- Blue line: DQM modified PL
- Red line: DQM modified PL New1
- Green line: DQM modified PL New2
- Black line: DQM modified PL



Fake rate vs. sim PV z



Duplicates Rate vs sim PV z



Pileup rate vs. sim PV z

