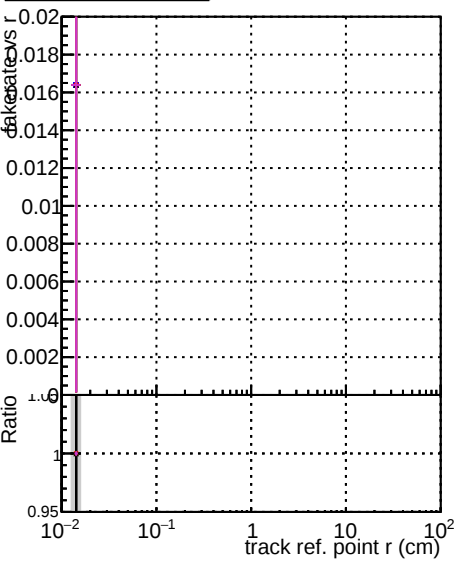


Fake rate vs vertpos



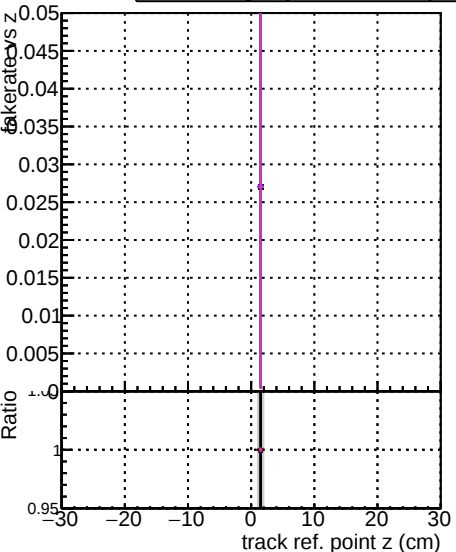
Duplicates Rate vs vertpos



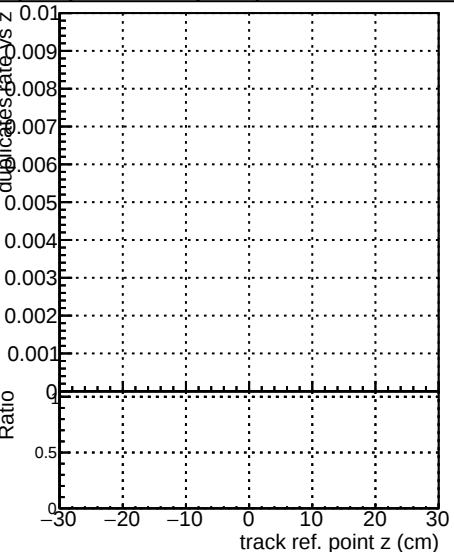
Pileup rate vs vertpos



Fake rate vs v



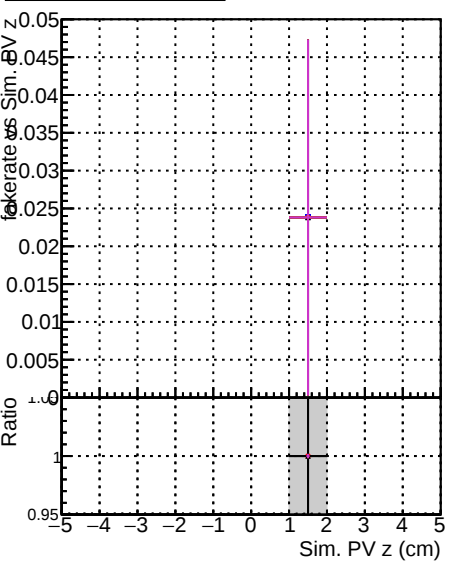
Duplicates Rate vs v



Pileup rate vs v



Fake rate vs. sim PV z



Duplicates Rate vs sim PV z



Pileup rate vs. sim PV z



Legend:
- BQM original step2 pt1000 eta2p5to4p0
- BQM angle step2 pt1000 eta2p5to4p0
- BQM angle step2 pt1000 eta2p5to4p0
- BQM angle step2 pt1000 eta2p5to4p0
- BQM angle step2 pt1000 eta2p5to4p0