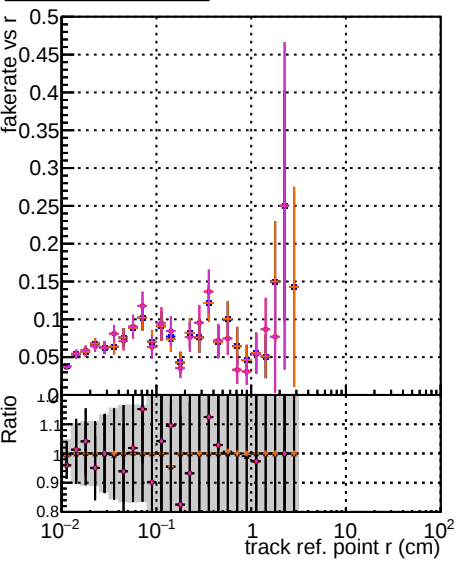
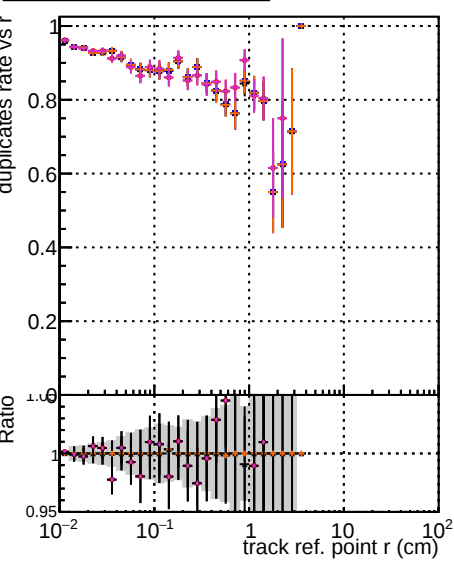


Fake rate vs vertpos



Duplicates Rate vs vertpos

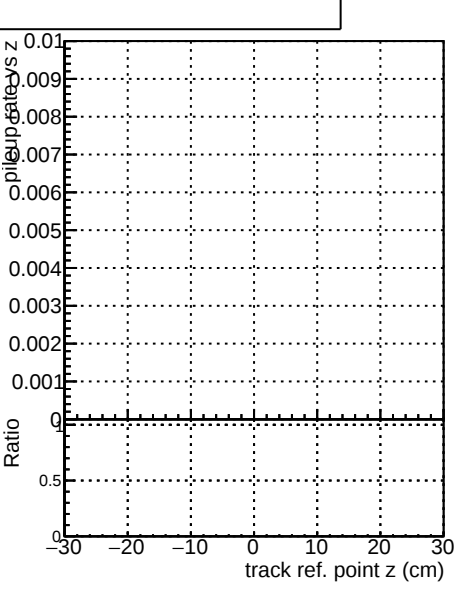
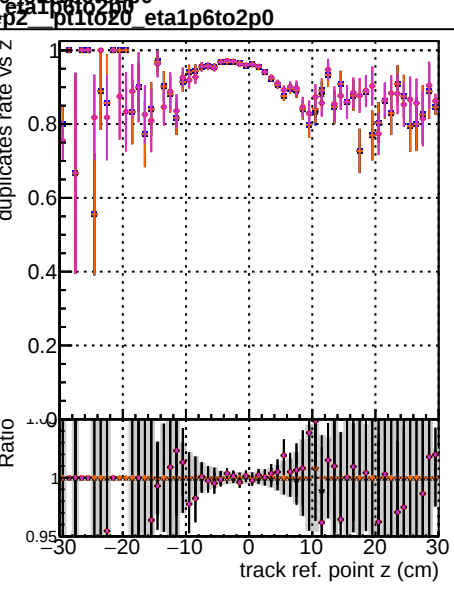
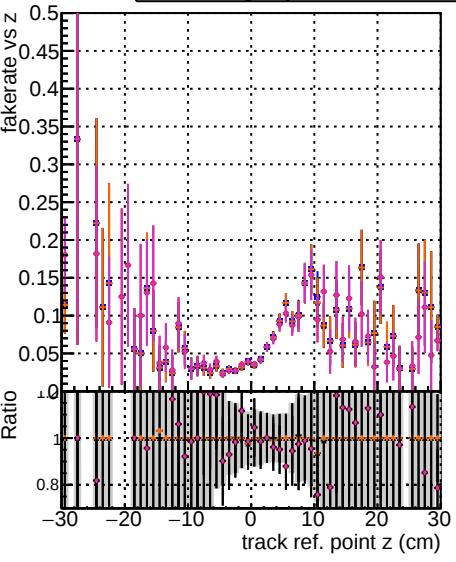


Pileup rate vs vertpos

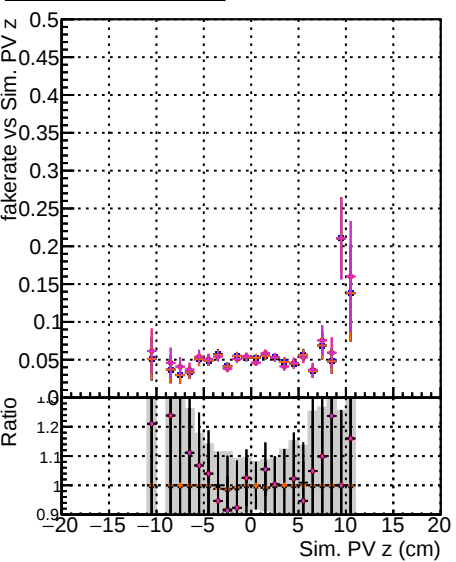


— original step2 pt1to20 eta1p6to2p0
— angle step2 pt1to20 eta1p6to2p0
— generic step2 pt1to20 eta1p6to2p0
— original step2 pt1to20 eta1p6to2p0
— angle step2 pt1to20 eta1p6to2p0
— generic step2 pt1to20 eta1p6to2p0

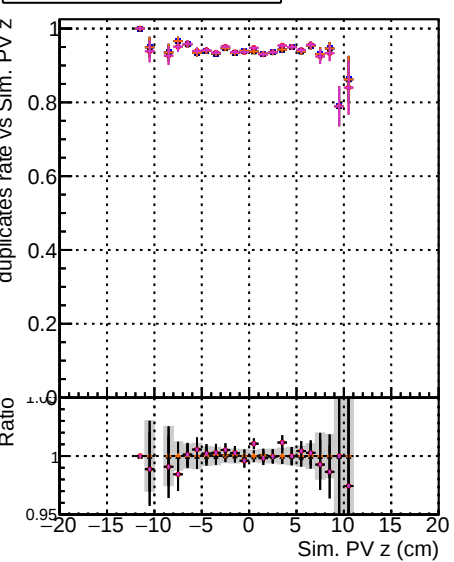
Fake rate vs v



Fake rate vs. sim PV z



Duplicates Rate vs sim PV z



Pileup rate vs. sim PV z

