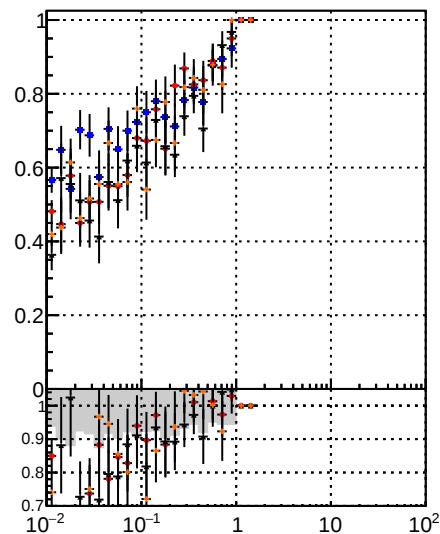


Fake rate vs vertpos



Duplicates Rate vs vertpos



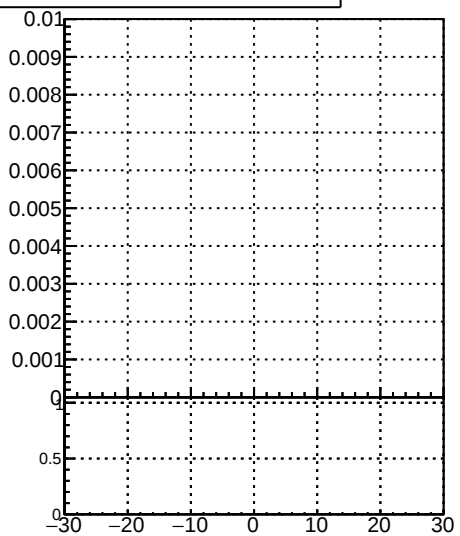
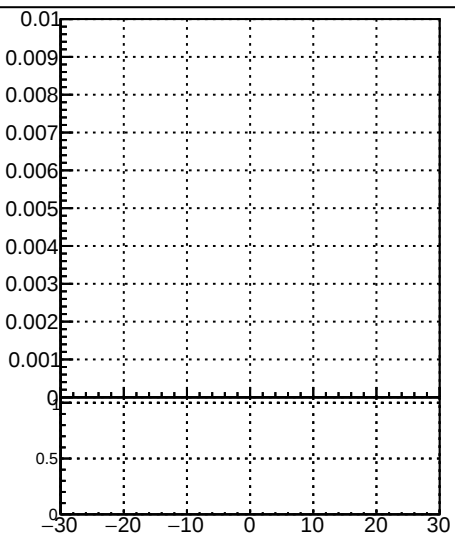
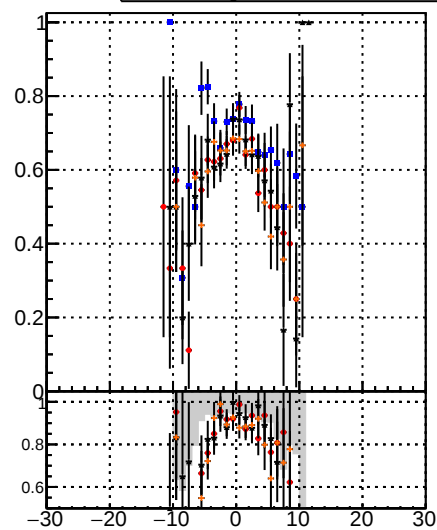
Pileup rate vs vertpos



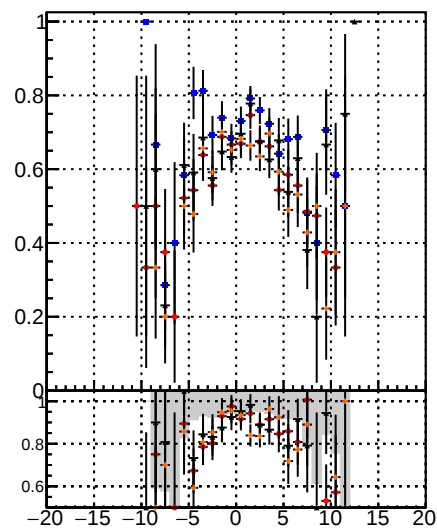
Fake rate vs  $v_z$

Legend:

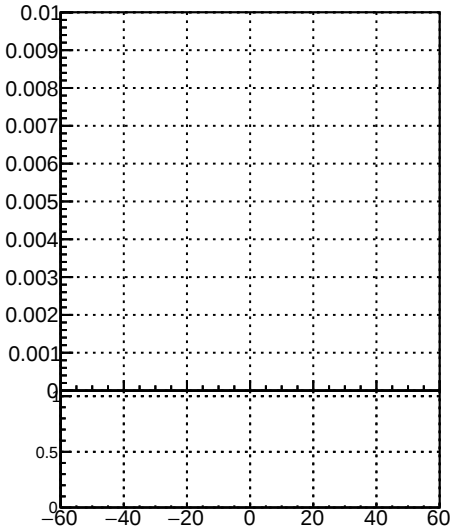
- DOM (blue circles)
- CKE (red circles)
- mKEit (orange circles)
- BDT (black circles)



Fake rate vs. sim PV z



Duplicates Rate vs sim PV z



Pileup rate vs. sim PV z

