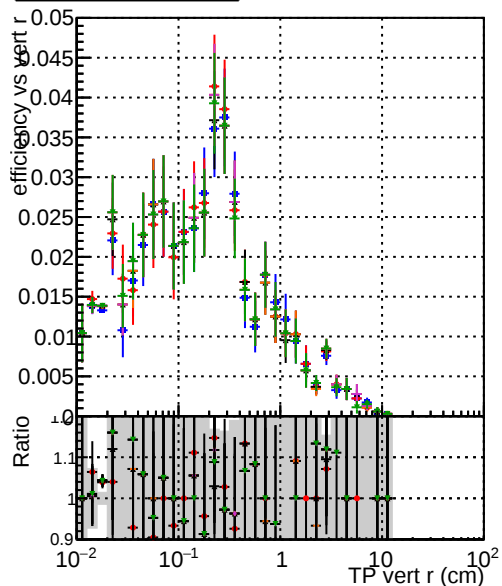
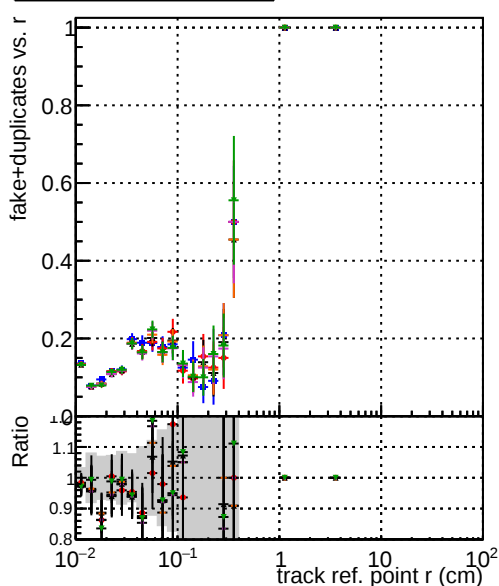


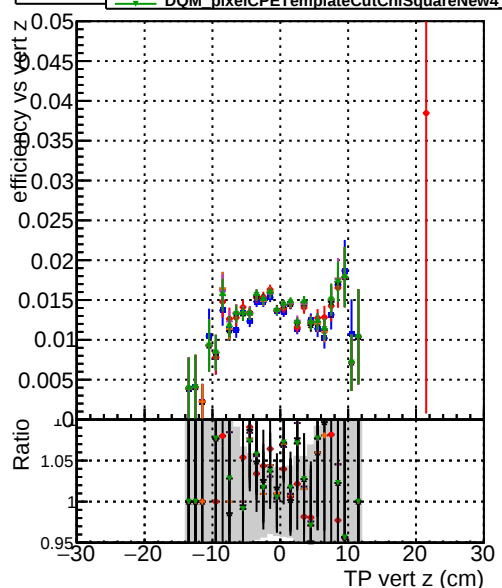
Efficiency vs vertpos



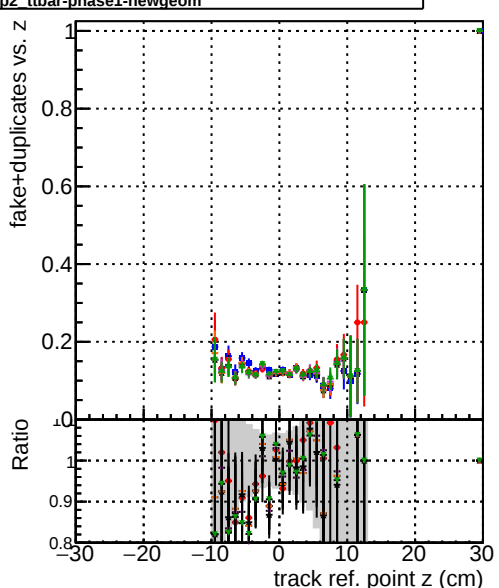
fake+duplicates vs vert r



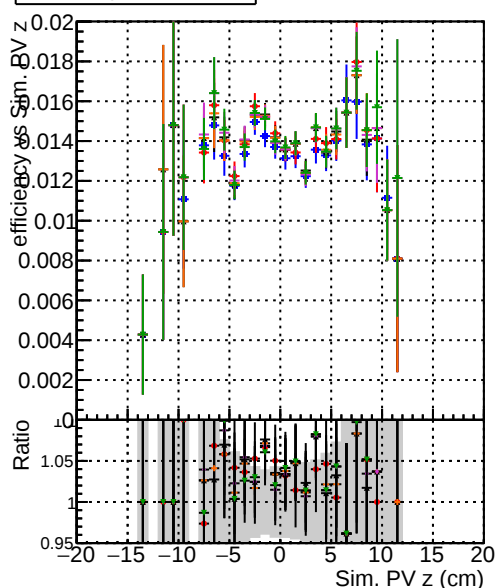
Efficiend



```
2 ttbar-phase1-newgeom
3 ttbar-phase1-newgeom
4 ttbar-phase1-newgeom
```



Efficiency vs. sim PV z



fake+duplicates vs Sim. PV z

