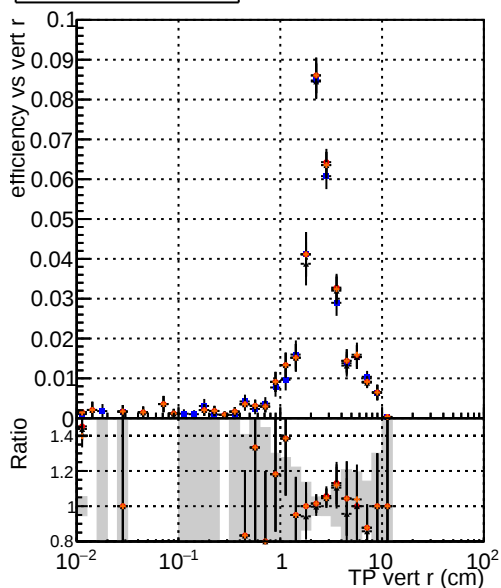
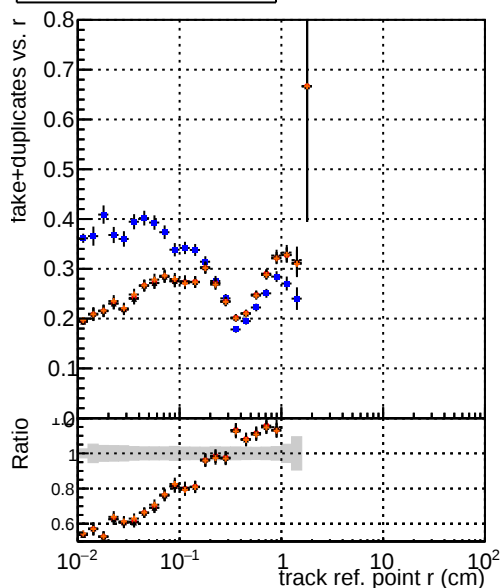


**Efficiency vs vertpos**

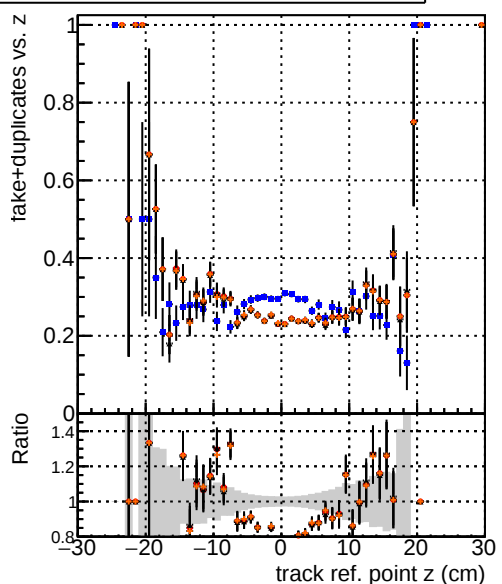
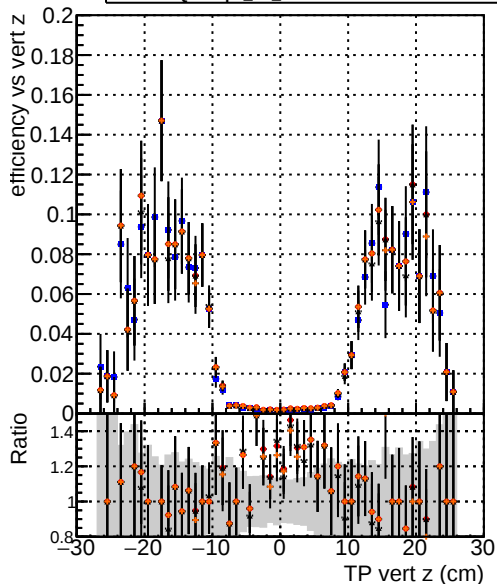


**fake+duplicates vs vert r**

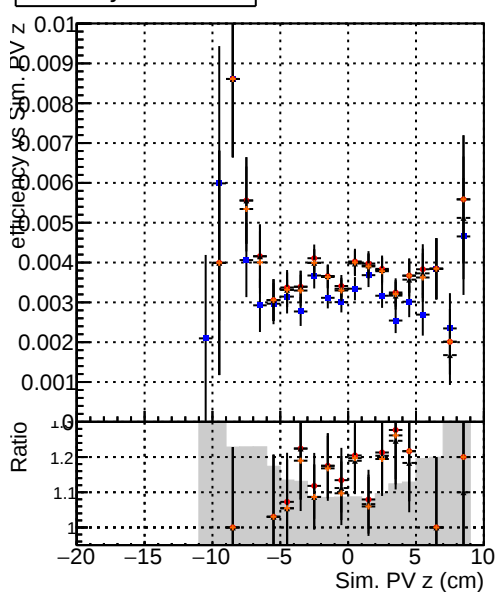


**Efficiency**

- DQMstep3 TT CKF
- DQMstep3 TT default
- DQMstep3 TT\_ckPixelLess
- DQMstep3 TT default1



**Efficiency vs. sim PV z**



**fake+duplicates vs Sim. PV z**

