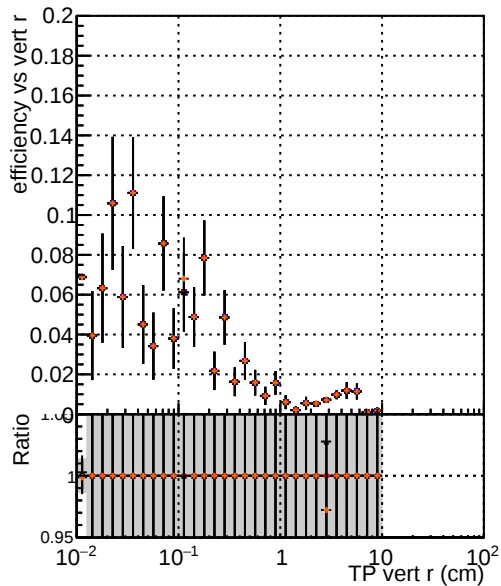
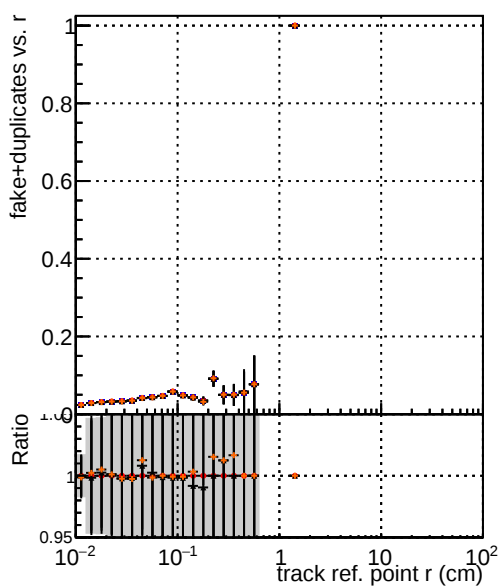


**Efficiency vs vertpos**

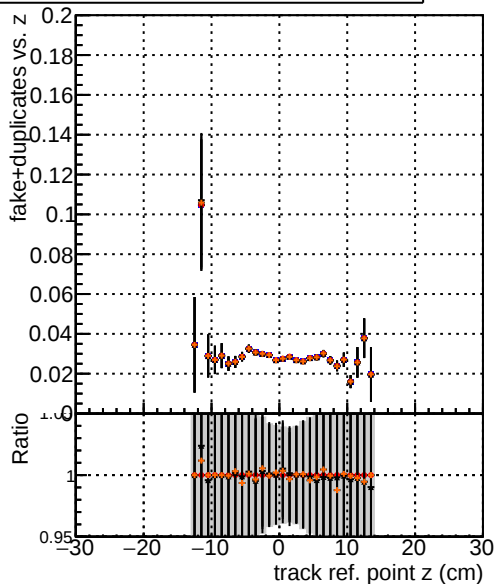
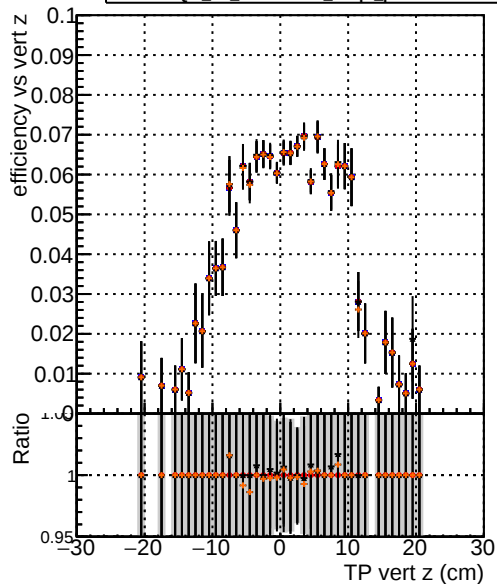


**fake+duplicates vs vert r**

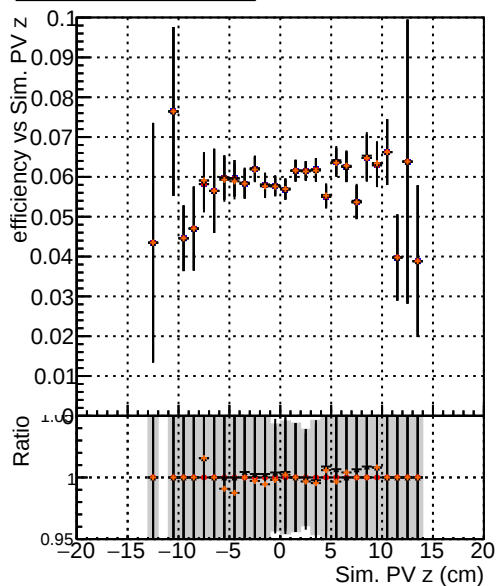


**Efficiency**

- DQM TT original\_lowpt
- DQM TT newbranch\_lowpt
- ▲— DQM TT original\_lowpt\_pLess
- DQM TT newbranch\_lowpt\_pLess



**Efficiency vs. sim PV z**



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

