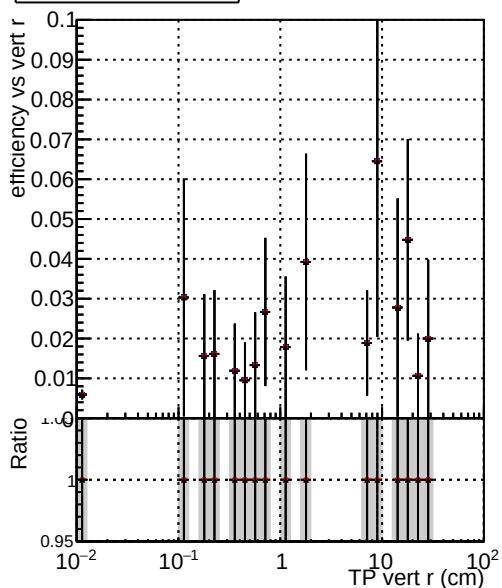
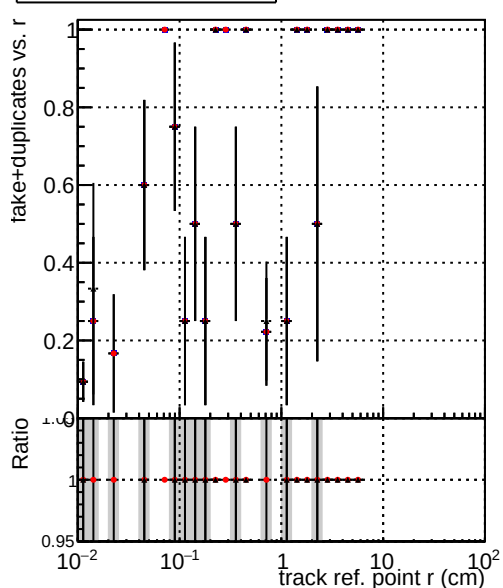


**Efficiency vs vertpos**

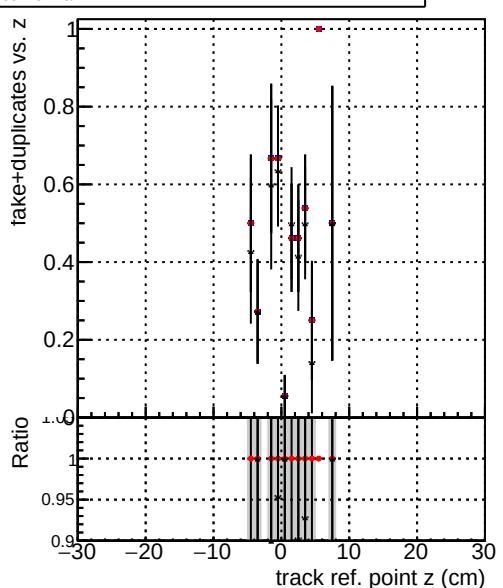
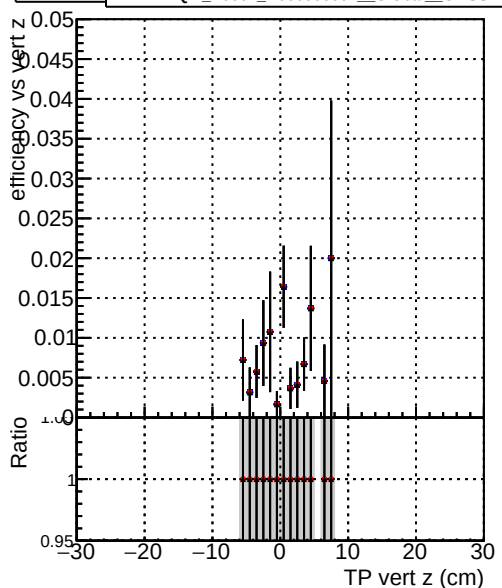


**fake+duplicates vs vert r**

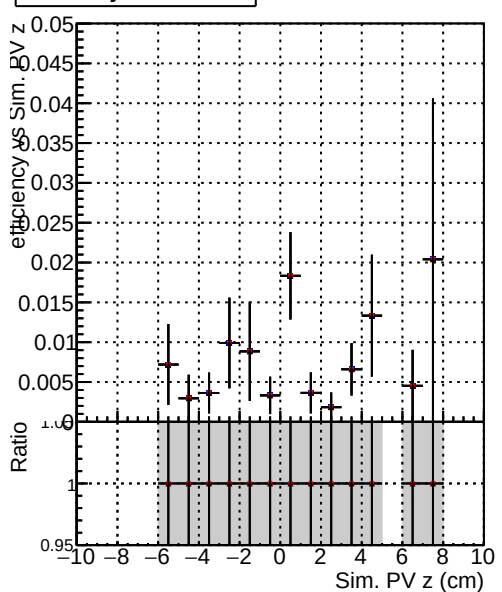


**Efficiency**

DQM\_V0001\_R0000000001\_Global\_CMSSW\_100ti  
 DQM\_V0001\_R0000000001\_Global\_CMSSW\_100timeHPTT  
 DQM\_V0001\_R0000000001\_Global\_CMSSW\_100timePLa



**Efficiency vs. sim PV z**



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

