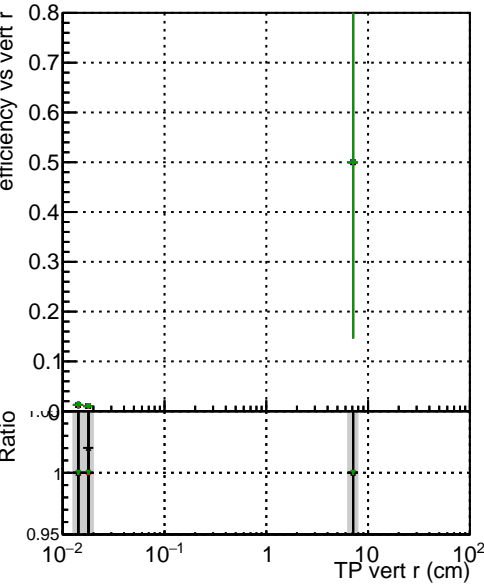
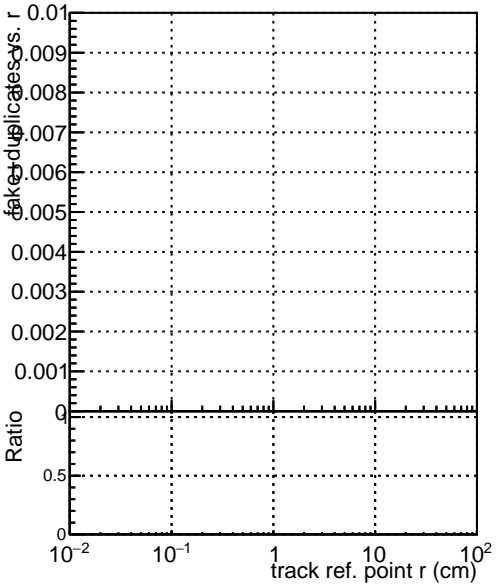


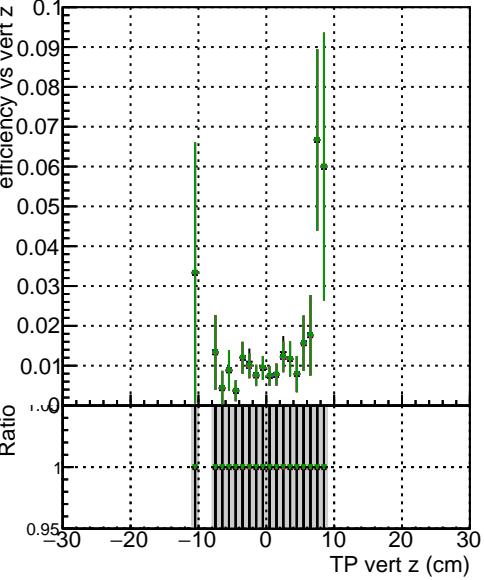
**Efficiency vs vertpos**



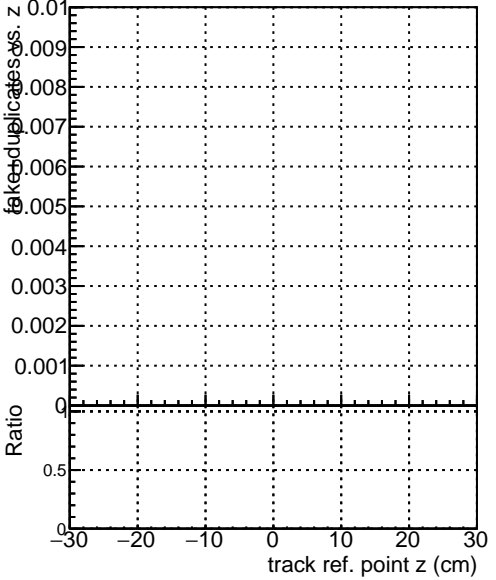
**fake+duplicates vs vert r**



**Efficiency vs sim PV z**

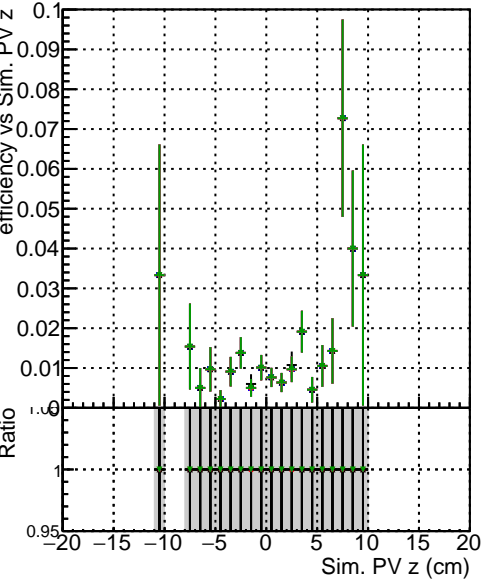


**fake+duplicates vs Sim. PV z**



DQM binned efficiency step 1 to 25  
 DQM binned efficiency step 1 to 100  
 DQM binned efficiency step 1 to 250  
 DQM binned efficiency step 1 to 500  
 DQM binned efficiency step 1 to 1000  
 DQM binned efficiency step 1 to 2500  
 DQM binned efficiency step 1 to 5000  
 DQM binned efficiency step 1 to 10000  
 DQM binned efficiency step 2 to 25  
 DQM binned efficiency step 2 to 100  
 DQM binned efficiency step 2 to 250  
 DQM binned efficiency step 2 to 500  
 DQM binned efficiency step 2 to 1000  
 DQM binned efficiency step 2 to 2500  
 DQM binned efficiency step 2 to 5000  
 DQM binned efficiency step 2 to 10000  
 DQM binned efficiency step 3 to 25  
 DQM binned efficiency step 3 to 100  
 DQM binned efficiency step 3 to 250  
 DQM binned efficiency step 3 to 500  
 DQM binned efficiency step 3 to 1000  
 DQM binned efficiency step 3 to 2500  
 DQM binned efficiency step 3 to 5000  
 DQM binned efficiency step 3 to 10000  
 DQM binned efficiency step 4 to 25  
 DQM binned efficiency step 4 to 100  
 DQM binned efficiency step 4 to 250  
 DQM binned efficiency step 4 to 500  
 DQM binned efficiency step 4 to 1000  
 DQM binned efficiency step 4 to 2500  
 DQM binned efficiency step 4 to 5000  
 DQM binned efficiency step 4 to 10000  
 DQM binned efficiency step 5 to 25  
 DQM binned efficiency step 5 to 100  
 DQM binned efficiency step 5 to 250  
 DQM binned efficiency step 5 to 500  
 DQM binned efficiency step 5 to 1000  
 DQM binned efficiency step 5 to 2500  
 DQM binned efficiency step 5 to 5000  
 DQM binned efficiency step 5 to 10000

**Efficiency vs. sim PV z**



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

