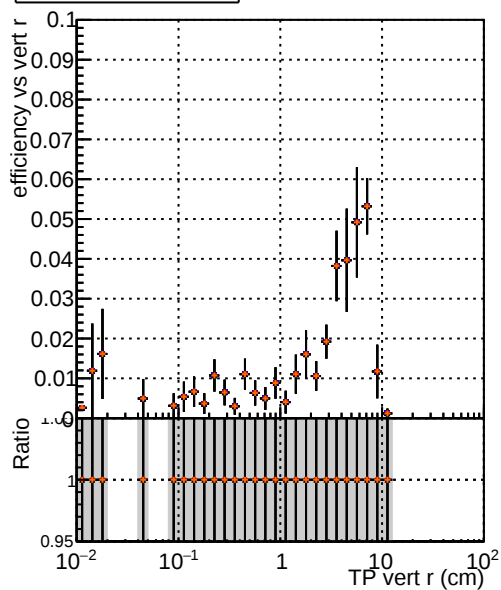
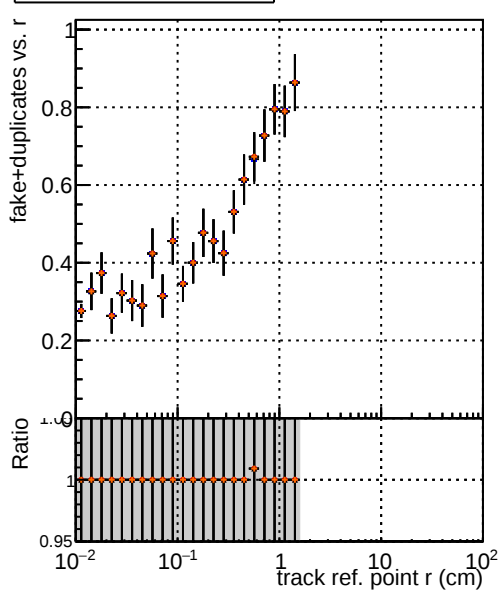
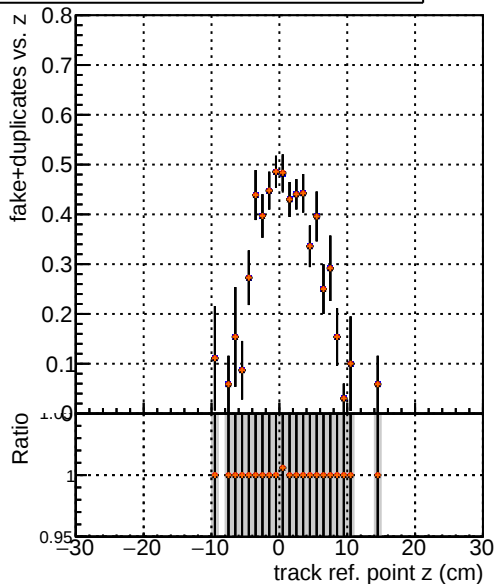
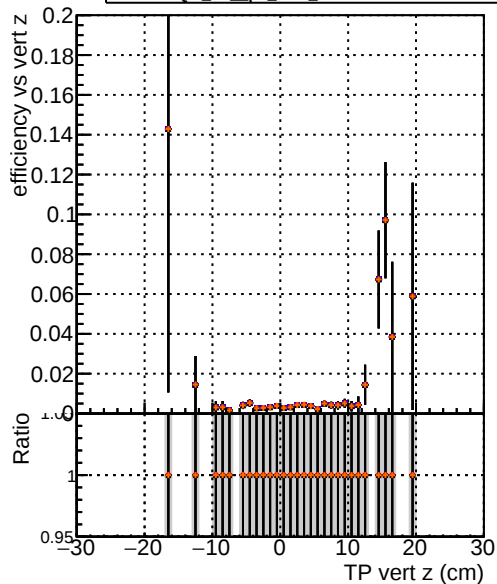
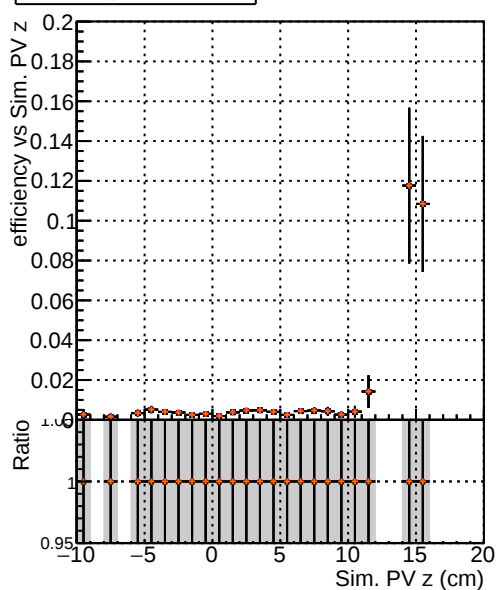


**Efficiency vs vertpos****fake+duplicates vs vert r****Efficiency**

—  $\sqrt{s}/\text{DQM\_TT}$  original PU  
— DQM\\_TT pL\_eta3 1PU  
— DQM\\_TT pL\_eta3 2PU  
— DQM\\_TT pL\_eta3 2PU

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