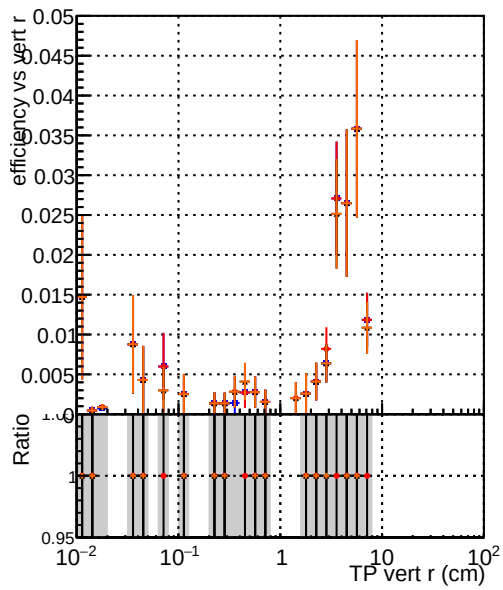
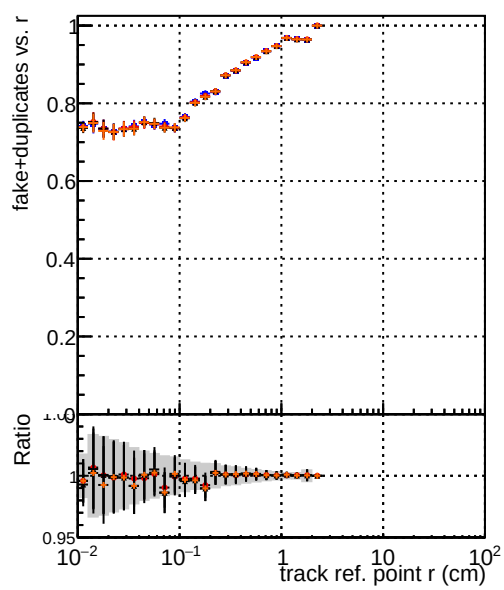
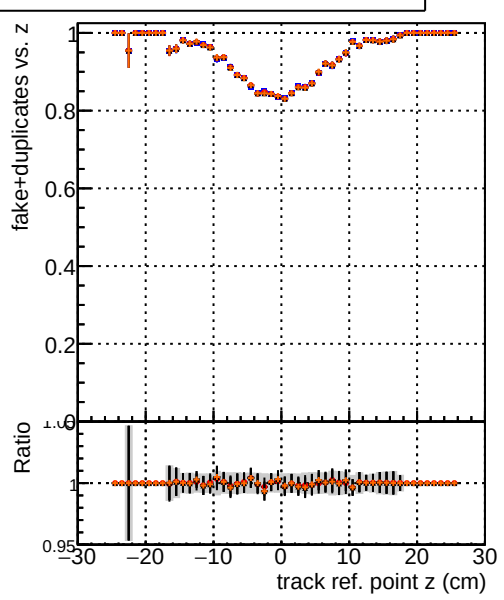
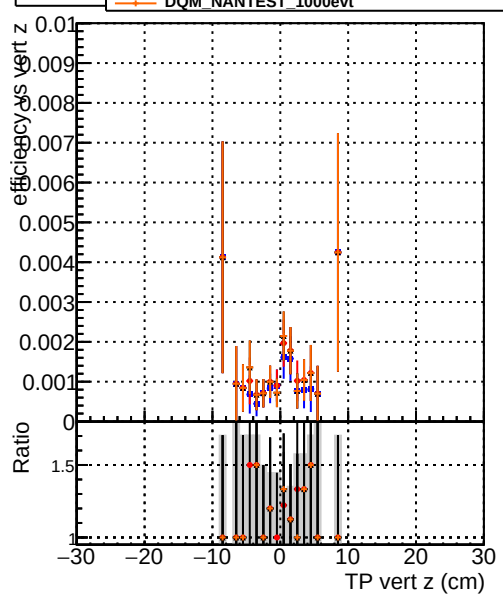
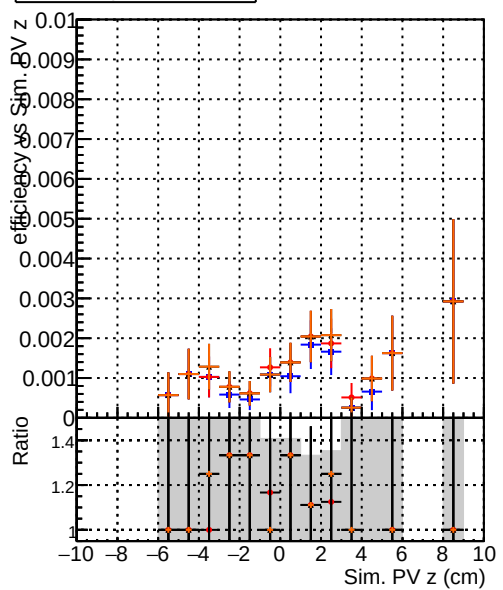


Efficiency vs vertpos**fake+duplicates vs vert r****Efficiency**

DOM_CKF-test_1000evt
 DOM_CKFREFit-test_1000evt
 DOM_mkFitREFit-test_1000evt
 DOM_NANTEST_1000evt

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