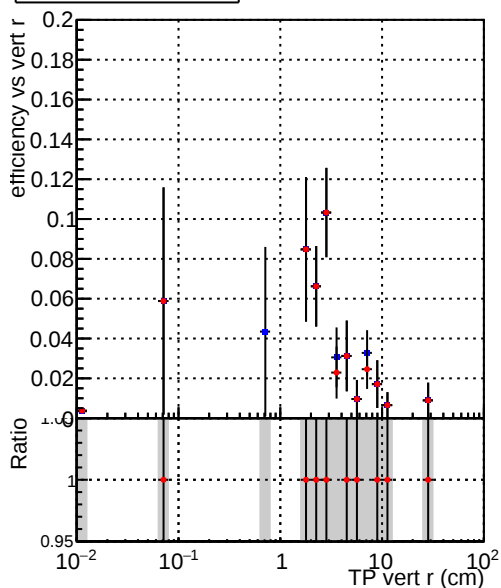
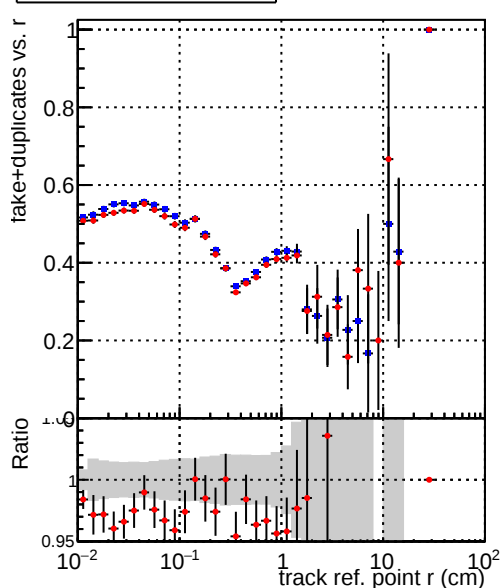
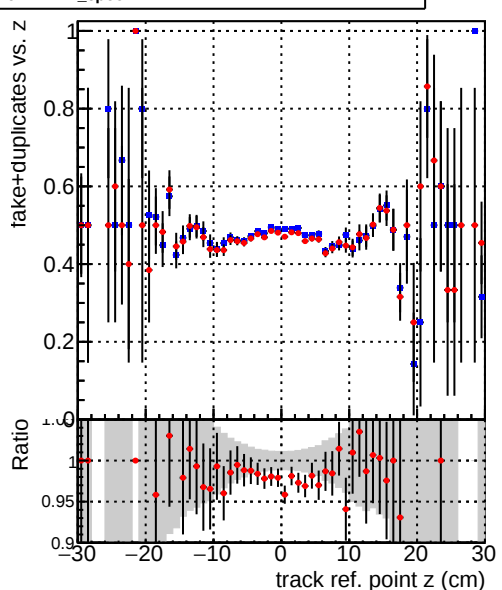
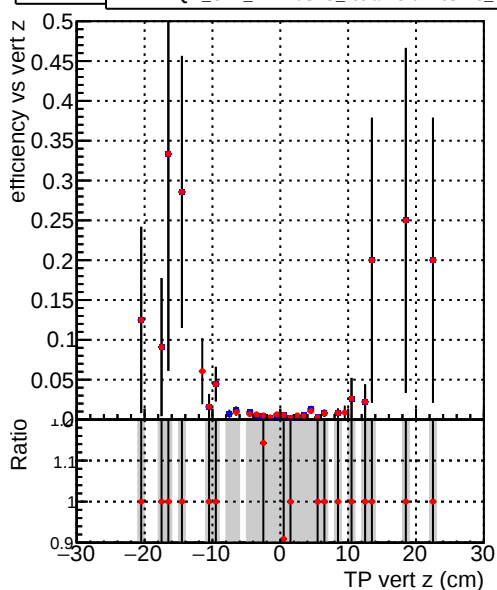
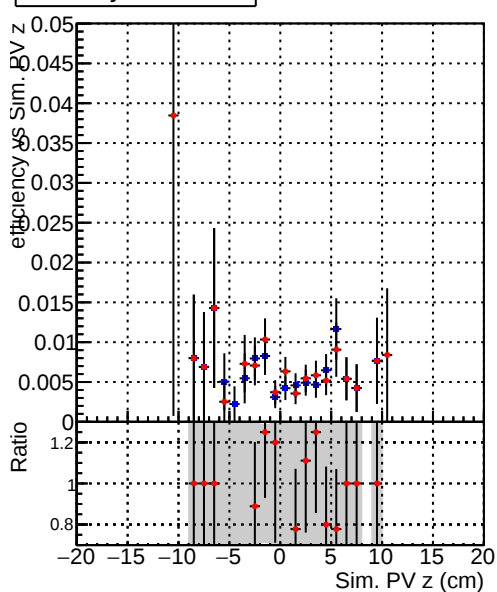


**Efficiency vs vertpos****fake+duplicates vs vert r**
**Efficiency vs. TP vert z (cm)**

**fake+duplicates vs. track ref. point z (cm)**
**Efficiency vs. sim PV z****fake+duplicates vs Sim. PV z**