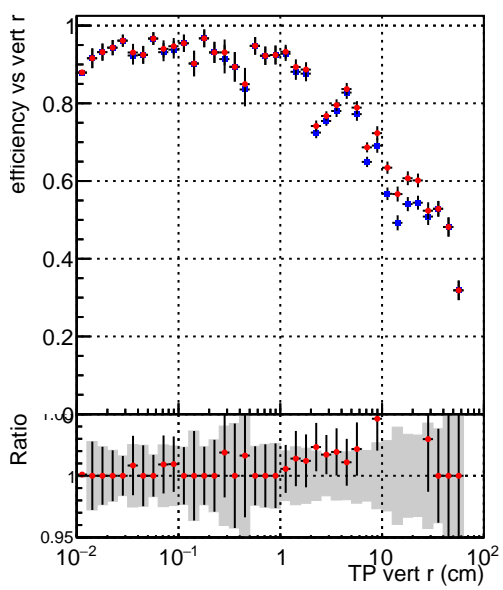
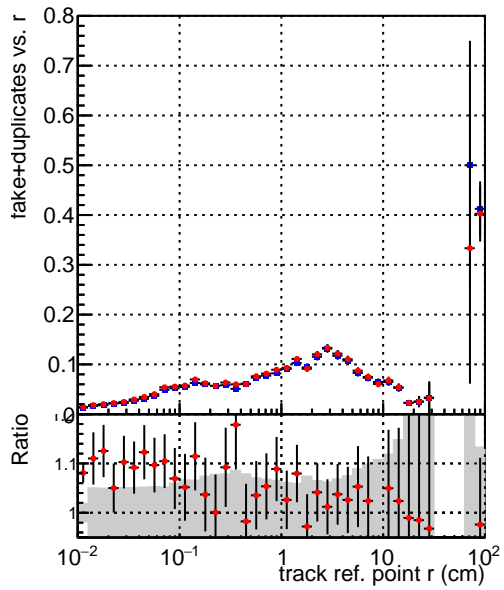
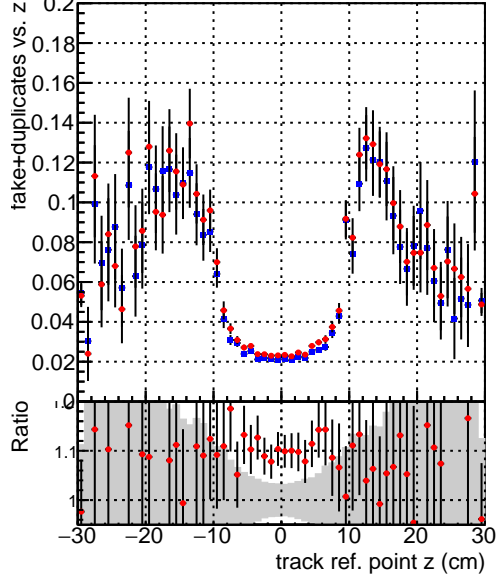
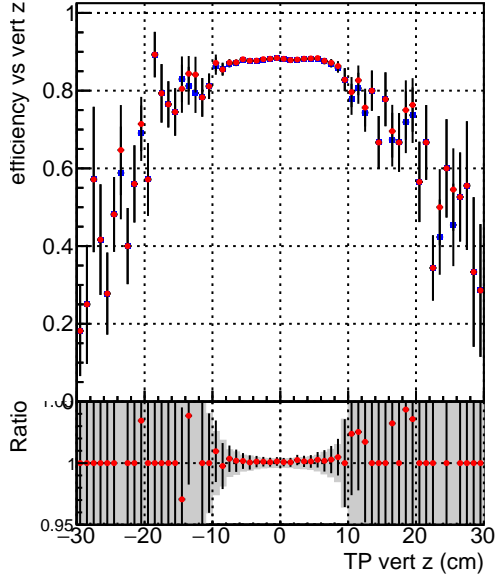
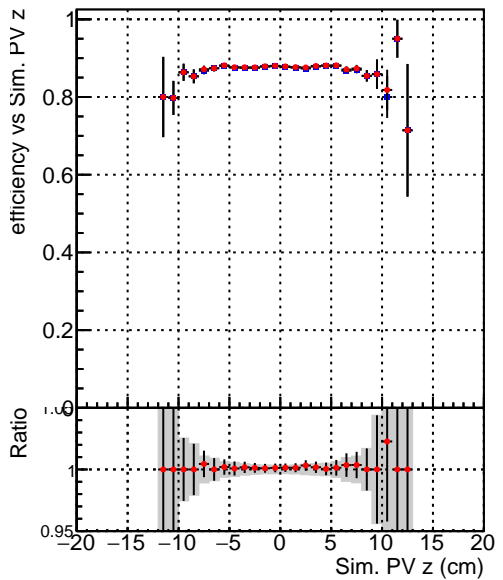


**Efficiency vs vertpos****fake+duplicates vs vert r**
**Efficiency vs. TP vert z (cm)**  
 Legend:  
 - SoftQCD\_default (blue diamonds)  
 - SoftQCD\_ckfPixelLessStep (red diamonds)
**Efficiency vs. sim PV z****fake+duplicates vs Sim. PV z**