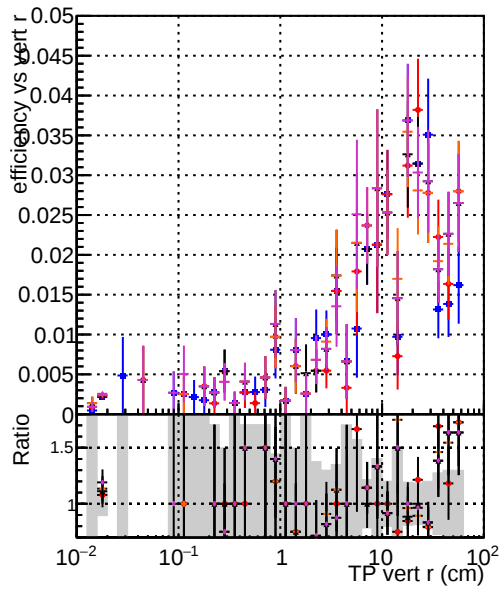
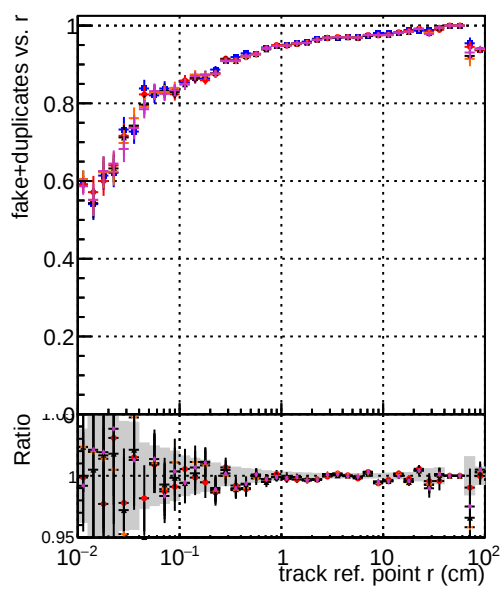
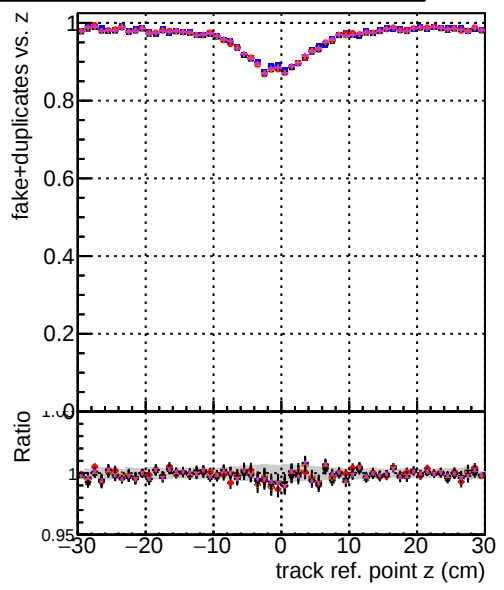
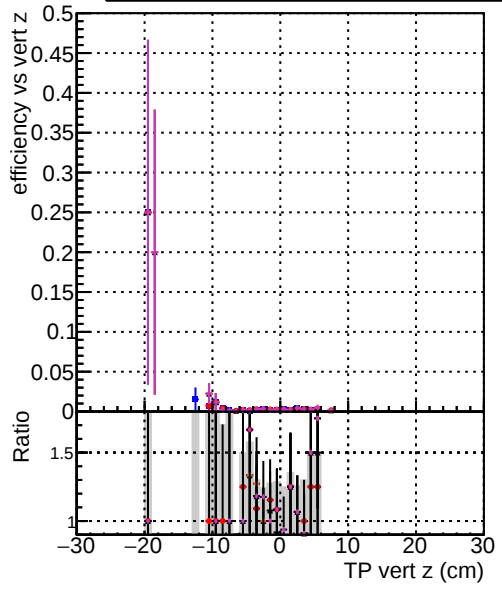
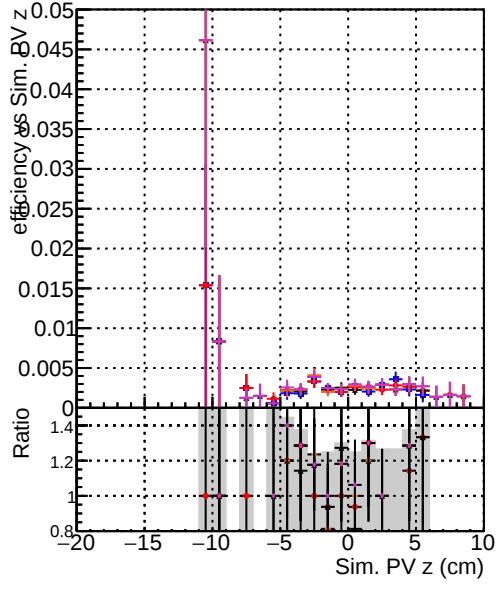


**Efficiency vs vertpos****fake+duplicates vs vert r**

— DOM original step2 ttbar-phase1-newgeom  
 — pixelCPETemplate step2 ttbar-phase1-newgeom  
 — pixelCPETemplateCutChiSquareNew step2 ttbar-phase1-newgeom  
 — pixelCPETemplateCutChiSquareNew2 step2 ttbar-phase1-newgeom  
 — pixelCPETemplateCutChiSquareNew3 step2 ttbar-phase1-newgeom

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