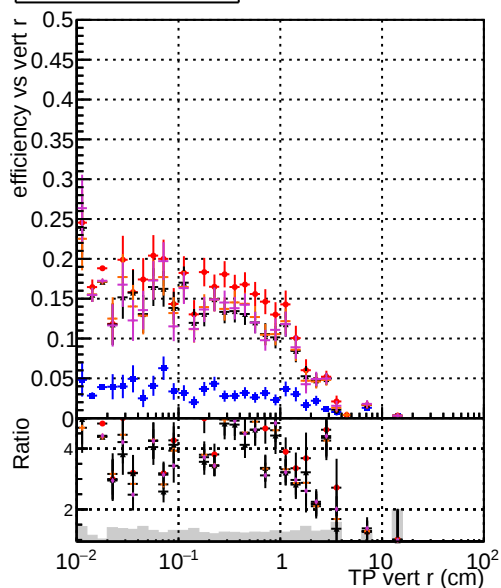
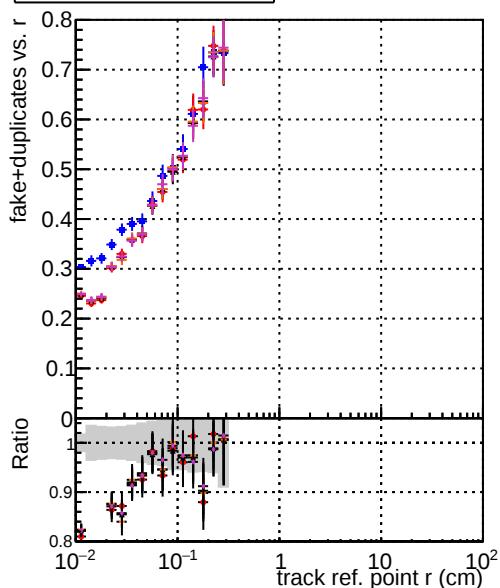
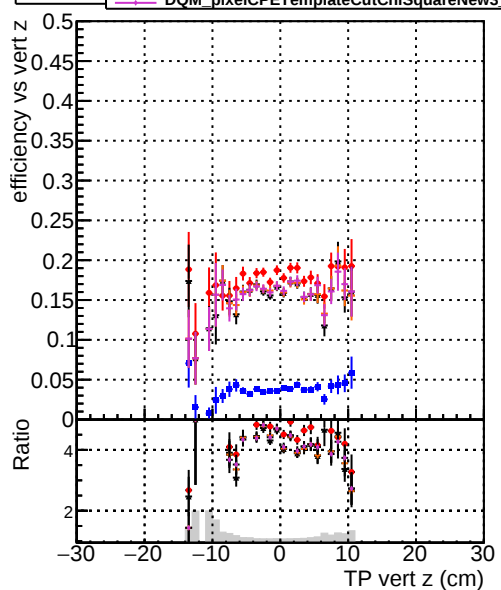
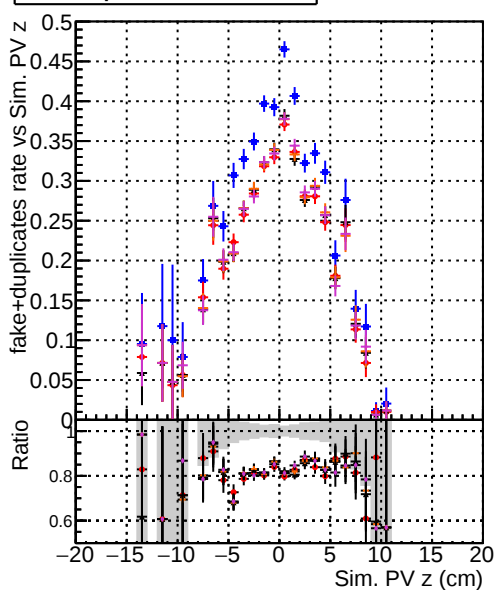


Efficiency vs vertpos**fake+duplicates vs vert r****Efficiency vs. sim PV z****fake+duplicates vs Sim. PV z**

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