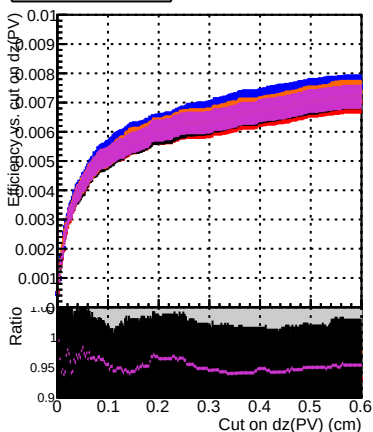
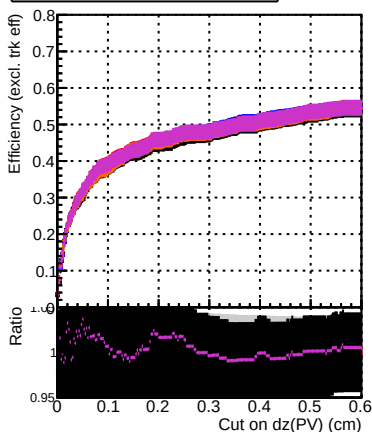


Efficiency vs. dz (PV)



Efficiency (tracking eff factorized out) vs. dz (PV)



—●— DQM_fast_step2_ttbar-phase1-newgeom
—●— DQM_pixelCPETemplate_step2_ttbar-phase1-newgeom

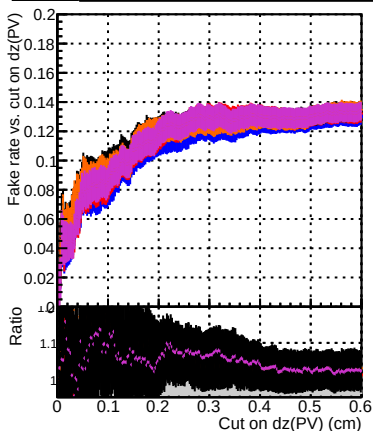


Figure 1 consists of two vertically stacked plots sharing a common x-axis labeled 'Cut on dz(PV) (cm)' ranging from 0 to 0.6. The top plot shows the 'Pileup rate vs. cut on dz(PV)' on the y-axis, ranging from 0.1 to 0.8. It features three curves: a blue line with circular markers, an orange line, and a magenta line. All curves show an increasing trend, starting around 0.15 at x=0 and reaching approximately 0.5 at x=0.6. The bottom plot shows the 'Ratio' on the y-axis, ranging from 0.95 to 1.05. It displays three data series: a black histogram, an orange line with circular markers, and a magenta line with circular markers. The black histogram fluctuates around 1.0. The orange line starts near 1.0, dips slightly, and then rises above 1.0 after x=0.3. The magenta line starts near 1.0, dips significantly to around 0.95 at x=0.1, and then gradually rises back towards 1.0.