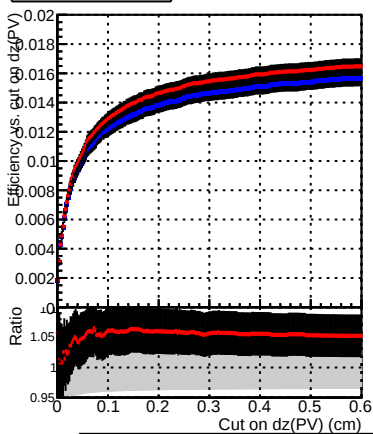
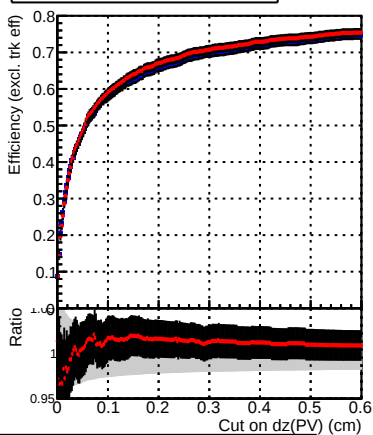


Efficiency vs. dz (PV)



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



Fake rate —●— DQM_TT__mkFit-DQM_updated

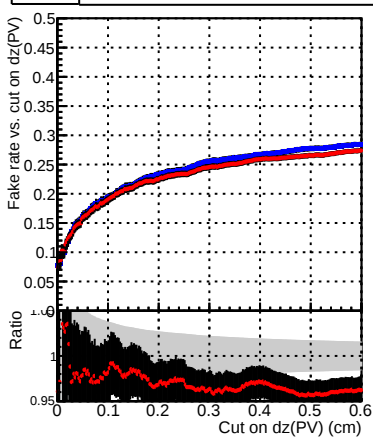


Figure 1 consists of two vertically stacked plots sharing a common x-axis labeled "Cut on dz(PV) (cm)" ranging from 0 to 0.6. The top plot's y-axis is "Pileup rate vs. cut on dz(PV)" ranging from 0 to 0.8. It shows a red line representing the pileup rate and a blue line representing a fit. Both lines start at approximately 0.15 at a cut of 0 and increase monotonically to about 0.48 at a cut of 0.6. The bottom plot's y-axis is "Ratio" ranging from 0.95 to 1.05. It shows a black line representing the ratio of the fit to the data, which fluctuates around 1.0. A grey shaded region represents the uncertainty, which is wider at lower cut values and narrows as the cut increases.