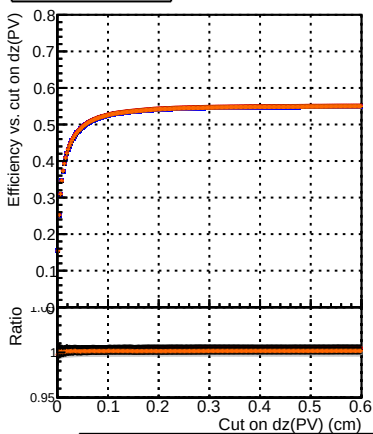
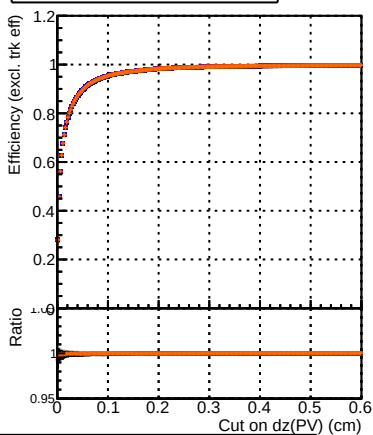


Efficiency vs. dz (PV)



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



Fake rate

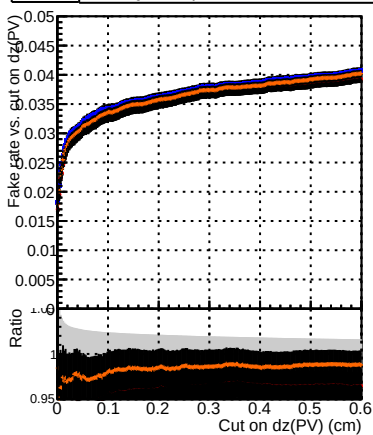


Figure 1 consists of two vertically stacked plots sharing a common x-axis labeled "Cut on dz(PV) (cm)" ranging from 0 to 0.6. The top plot's y-axis is "Pileup rate vs. cut on dz(PV)" ranging from 0 to 0.8. It shows a black curve representing the pileup rate and a red curve representing the cut on dz(PV). Both curves start at (0,0) and increase monotonically, with the red curve being slightly higher than the black curve. The bottom plot's y-axis is "Ratio" ranging from 0.95 to 1.0. It shows a black curve representing the ratio of the pileup rate to the single-particle rate and a red curve representing the cut on dz(PV). The black curve starts at (0,1.0) and decreases to approximately 0.95 at 0.6 cm, while the red curve starts at (0,0.05) and increases to approximately 0.5 at 0.6 cm.