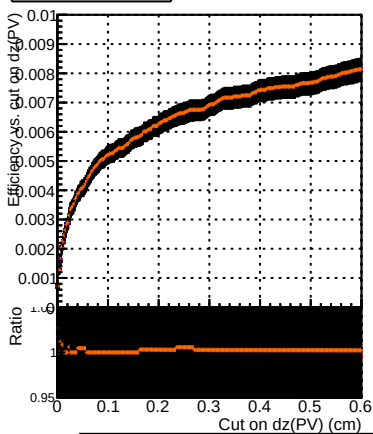
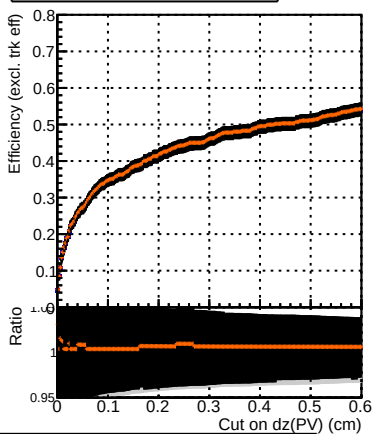


Efficiency vs. dz (PV)



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



Fake rate

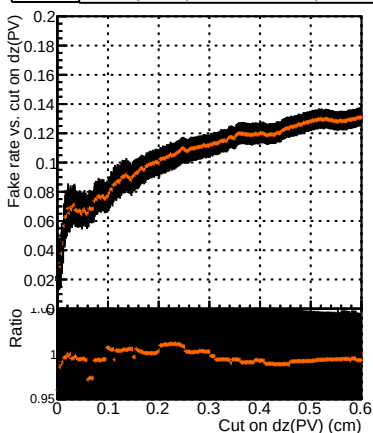


Figure 1 consists of two panels. The top panel plots the 'Pileup rate vs. cut on dz(PV)' on the y-axis (ranging from 0.1 to 0.8) against the 'Cut on dz(PV) (cm)' on the x-axis (ranging from 0 to 0.6). It shows a black line representing the pileup rate and an orange line representing the cut on dz(PV). Both lines start at approximately 0.15 at x=0 and increase monotonically, with the orange line being slightly higher than the black line. The bottom panel plots the 'Ratio' on the y-axis (ranging from 0.95 to 1.05) against the 'Cut on dz(PV) (cm)' on the x-axis (ranging from 0 to 0.6). It shows a black line representing the ratio and an orange line representing the cut on dz(PV). The black line starts at approximately 1.05 at x=0 and decreases to approximately 0.95 at x=0.6. The orange line starts at approximately 0.95 at x=0 and increases to approximately 1.05 at x=0.6.