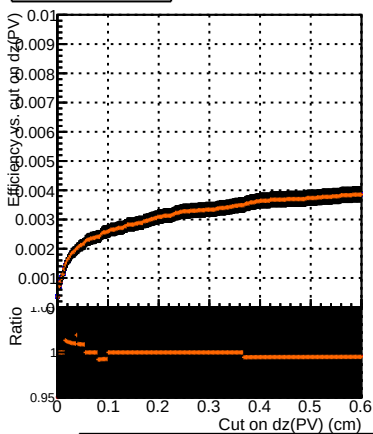
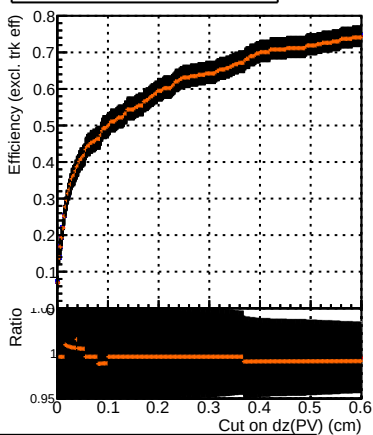


Efficiency vs. dz (PV)



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



Fake rate

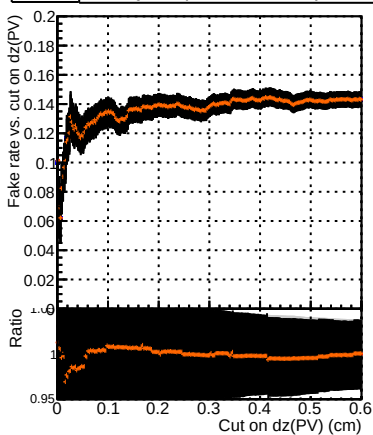


Figure 1 consists of two panels. The top panel plots 'Pileup rate vs. cut on dz(PV)' on the y-axis (ranging from 0 to 0.8) against 'Cut on dz(PV) (cm)' on the x-axis (ranging from 0 to 0.6). A black line represents the pileup rate, which starts at approximately 0.15 at 0 cm and increases to about 0.6 at 0.6 cm. An orange line represents the cut on dz(PV), which starts at 0 and increases to 0.6. The bottom panel plots 'Ratio' on the y-axis (ranging from 0.95 to 1.0) against 'Cut on dz(PV) (cm)' on the x-axis (ranging from 0 to 0.6). A black line represents the ratio, which starts at approximately 1.0 at 0 cm and decreases to about 0.95 at 0.6 cm. An orange line represents the cut on dz(PV), which starts at 0 and increases to 0.6.