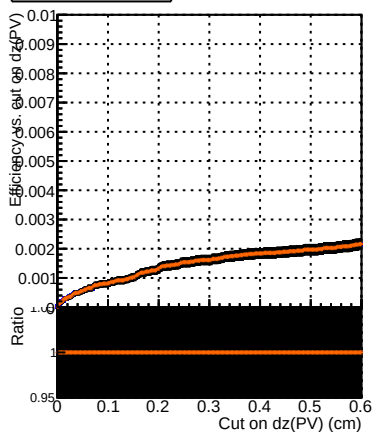
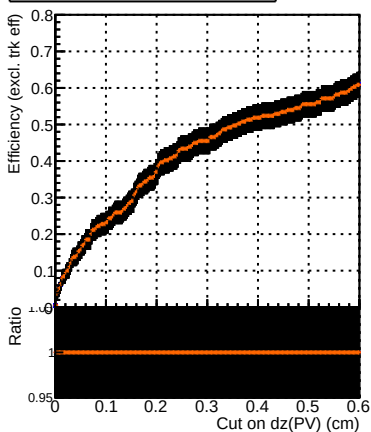


Efficiency vs. dz (PV)



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



Category	Rate
Real rate	1.5%
Fake rate	1.5%

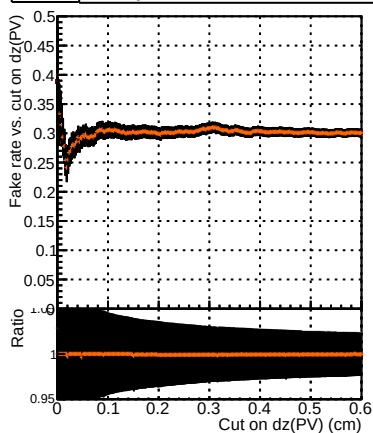


Figure 1 consists of two panels. The top panel plots the 'Pileup rate vs. cut on dz(PV)' on the y-axis (ranging from 0 to 0.8) against the 'Cut on dz(PV) (cm)' on the x-axis (ranging from 0 to 0.6). It shows black data points and an orange fit line. The bottom panel plots the 'Ratio' on the y-axis (ranging 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 black data points and an orange fit line, with a horizontal line at 1.0.