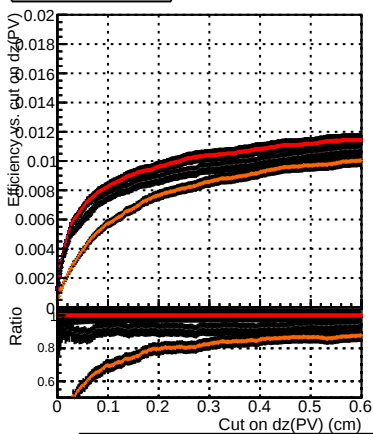
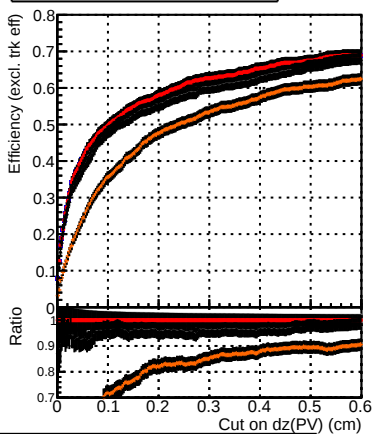


Efficiency vs. dz (PV)



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



Fake rate

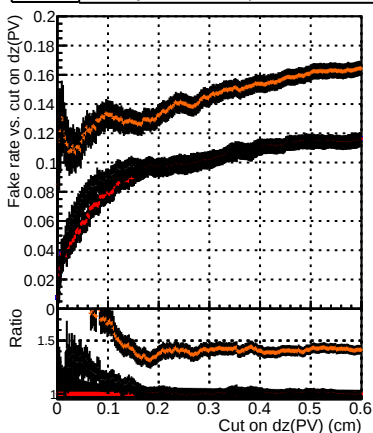


Figure 1 consists of two vertically stacked plots sharing a common x-axis labeled 'Cut on dz(PV) (cm)' ranging from 0 to 0.6. The top plot's y-axis is 'Pileup rate vs. cut on dz(PV)' ranging from 0 to 0.8. It shows two curves: a red curve for 100 GeV and an orange curve for 130 GeV. Both curves start at approximately 0.25 at x=0 and rise to about 0.55 at x=0.6. The bottom plot's y-axis is 'Ratio' ranging from 0.9 to 1.3. It shows the ratio of the pileup rate to the total rate for the same two energies. The red curve starts at approximately 1.3 at x=0 and decreases to about 1.0 at x=0.6. The orange curve starts at approximately 1.25 at x=0 and decreases to about 1.0 at x=0.6. Both plots include a dotted grid.