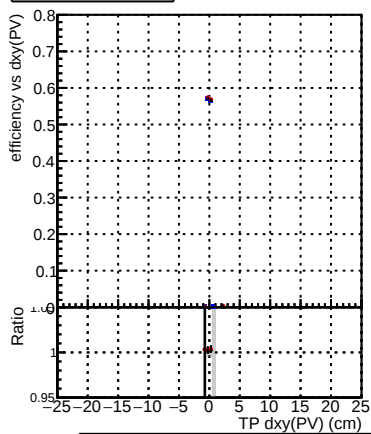
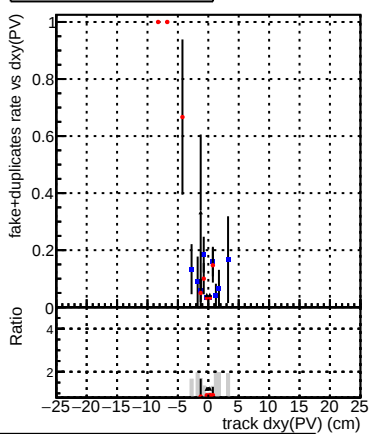


Efficiency vs Dxy(PV)



fake+duplicates vs dxy(PV)



Efficiency

0.8

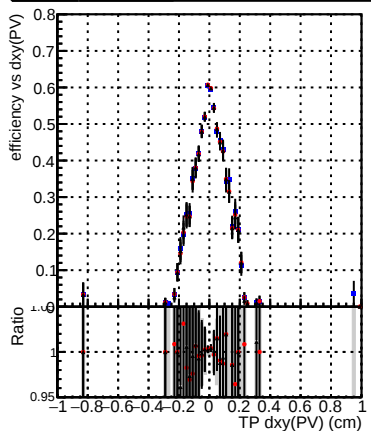
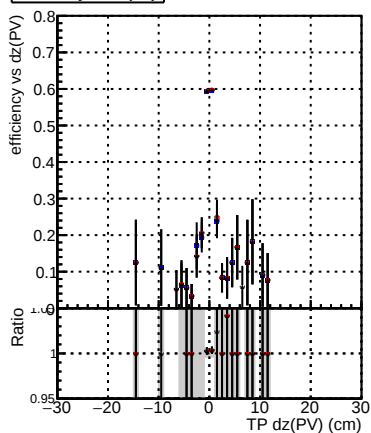
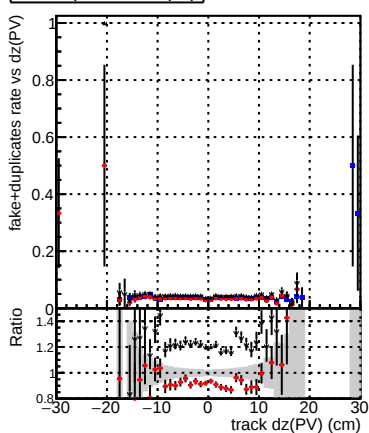


Figure 10 consists of two vertically stacked panels sharing a common x-axis labeled "track dxy(PV) (cm)" ranging from -1 to 1. The top panel is labeled "fake-duplicates rate vs dxy(PV)" on the y-axis, ranging from 0 to 1. It displays three data series: black dots with vertical error bars representing the "all" category, blue dots with vertical error bars for " $\Delta E_{\text{miss}} > 10$ GeV", and red dots with vertical error bars for " $\Delta E_{\text{miss}} > 20$ GeV". The bottom panel is labeled "Ratio" on the y-axis, ranging from 0.5 to 1.5. It shows the ratio of the rates for the two ΔE_{miss} categories, with black dots and error bars for the "all" ratio and red dots and error bars for the " $\Delta E_{\text{miss}} > 20$ GeV" ratio. Both panels show a significant dip in the rate/ratio around 0.2 cm.

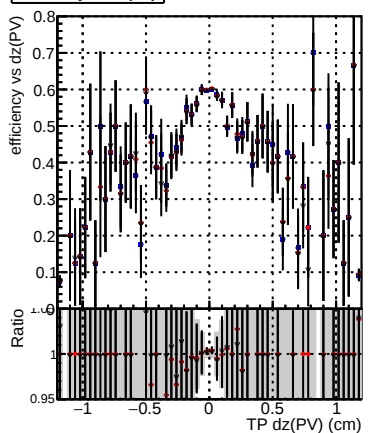
Efficiency vs Dz(PV)



fake+duplicates vs dz(PV)



Efficiency vs Dz(PV)



fake+duplicates vs dz(PV)

