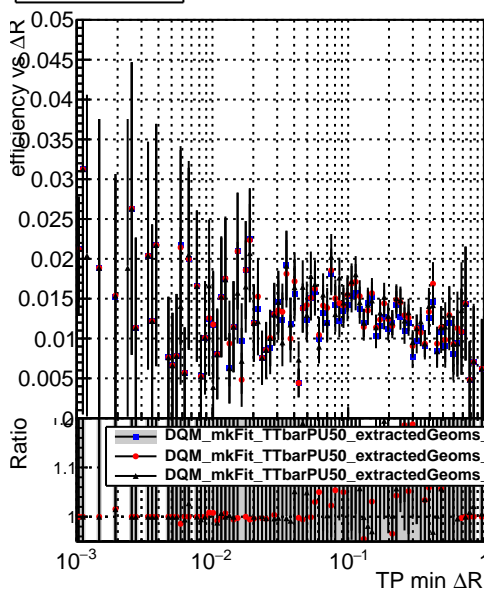
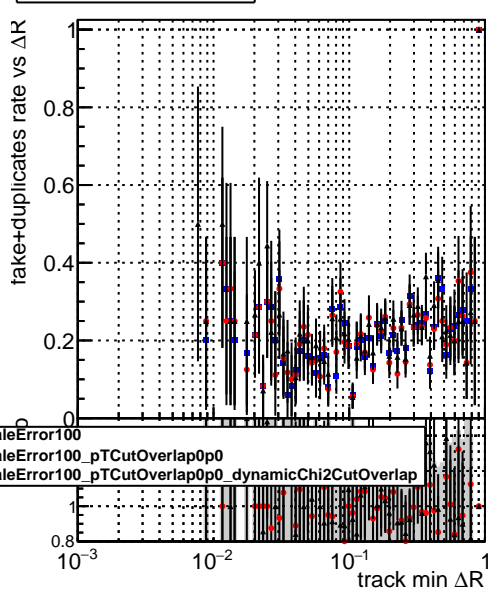
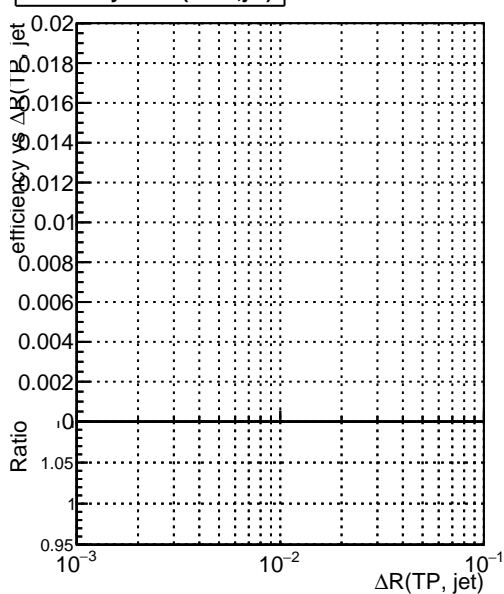
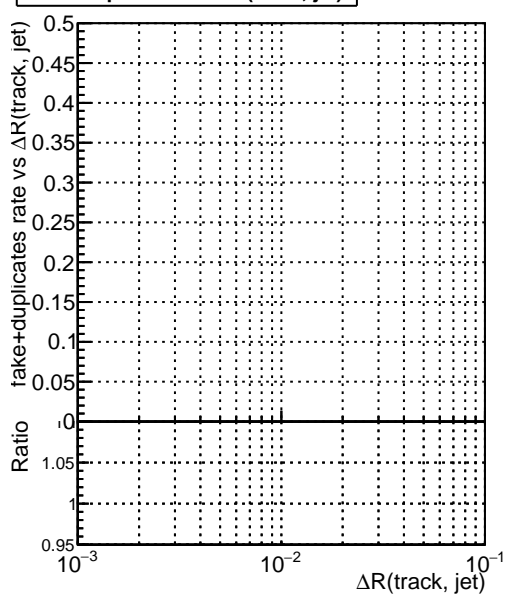
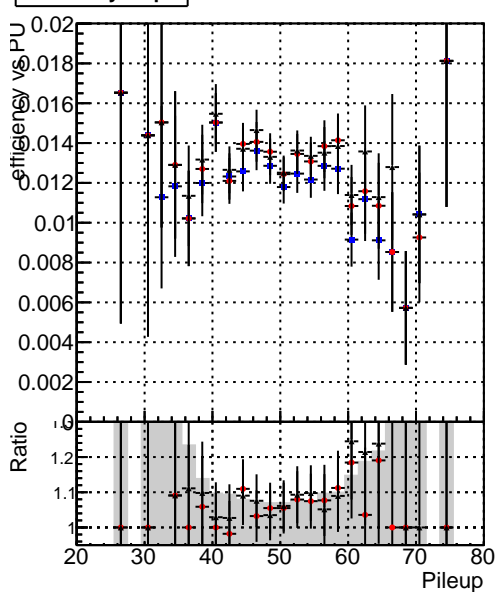


**Efficiency vs  $\Delta R$** **fake+duplicates vs  $\Delta R$** **Efficiency vs  $d_r$  (track, jet)****fake+duplicates vs  $\Delta R$ (track, jet)****Efficiency vs pu****fake+duplicates vs PU**