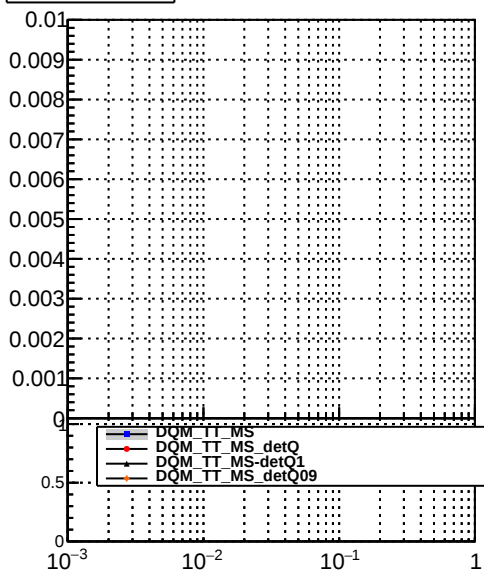
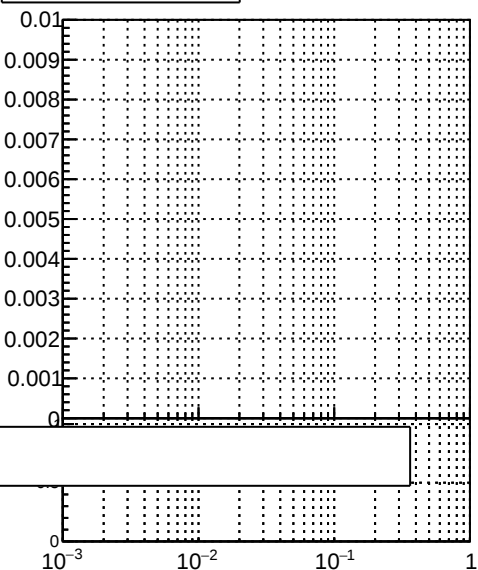


Efficiency vs dr**fake+duplicates vs ΔR** **Efficiency vs dr (track,jet)****fake+duplicates vs $\Delta R(\text{track, jet})$** **Efficiency vs pu****fake+duplicates vs PU**