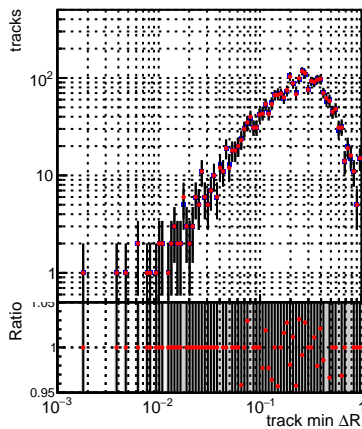
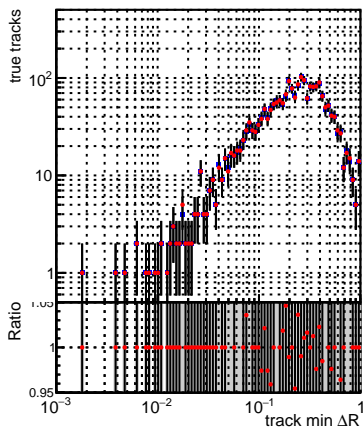


N of reconstructed tracks vs dR



N of associated tracks (recoToSim) vs dR

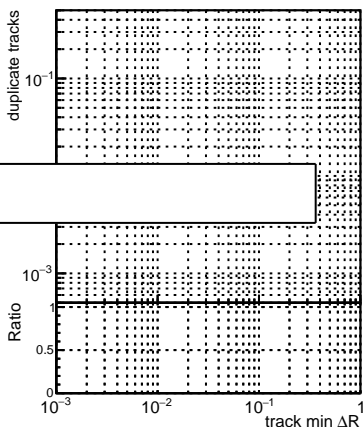


The figure consists of two vertically stacked panels sharing a common x-axis labeled 'track min ΔR ' with a logarithmic scale ranging from 10^{-3} to 10^0 .

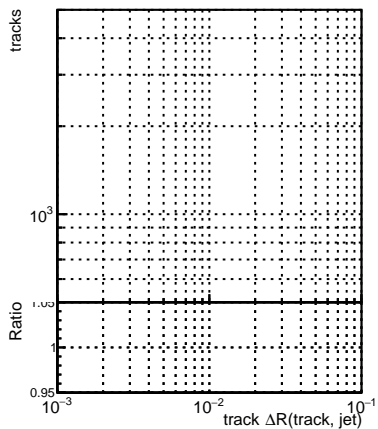
The top panel is labeled 'fake tracks' on the y-axis, which is also logarithmic, ranging from 1 to 10. It displays two data series: 'DQM_TT_time_newbranch' (black line with blue circular markers) and 'DQM_TT_newbranch_time_pLess' (black line with red circular markers). Both series show an increasing trend in fake tracks as ΔR increases, with the 'pLess' version generally showing higher values at larger ΔR .

The bottom panel is labeled 'Ratio' on the y-axis, which is linear and ranges from 0.95 to 1.05. It shows the ratio of the two data series from the top panel. The ratio is plotted as a black line with blue markers for 'DQM_TT_time_newbranch' and a black line with red markers for 'DQM_TT_newbranch_time_pLess'. The ratio fluctuates significantly around 1.0, with many points reaching the upper and lower bounds of the y-axis.

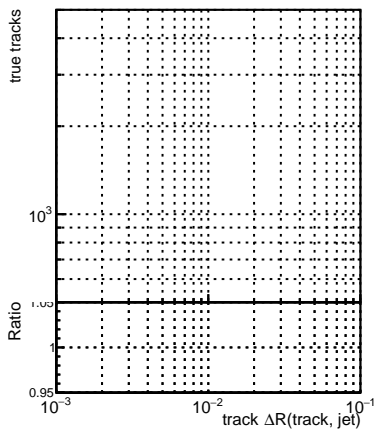
N of associated (recoToSim) looper tracks vs dR



N of reconstructed tracks vs dR(track,jet)



N of associated tracks (recoToSim) vs dR(track,jet)



N of associated (recoToSim) looper tracks vs dR(track,jet)

