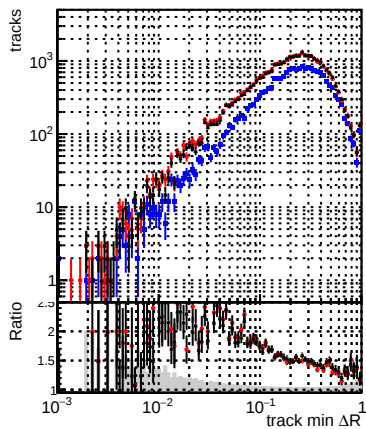


N of reconstructed tracks vs dR



N of associated tracks (recoToSim) vs dR

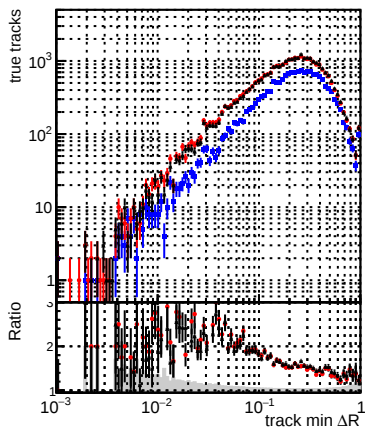
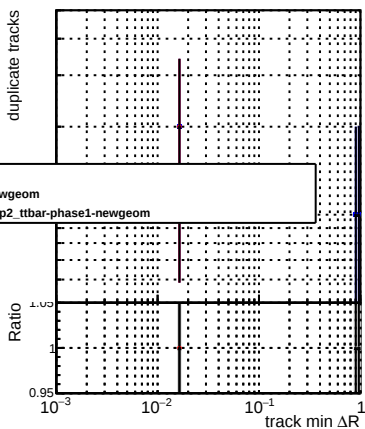
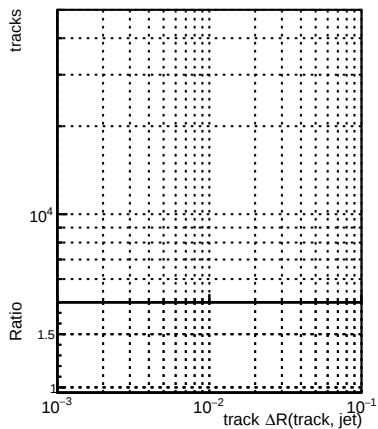


Figure 10 consists of two vertically stacked plots sharing a common x-axis labeled 'track min ΔR ' ranging from 10^{-3} to 1. The top plot shows 'fake tracks' on a logarithmic y-axis from 10 to 10^2 . It contains three data series: 'DQM_original_step2_ttbar-phases1-newgeo' (blue line with circles), 'DQM_pixelCPETemplate_step2_ttbar-phases1-newgeo' (red line with circles), and 'DQM_pixelCPETemplateCutChiSquareNewGeo' (black line with circles). All three series show a similar distribution with a peak around 10^{-1} . The bottom plot shows the 'Ratio' on a linear y-axis from 1 to 1.4. It displays the ratio of the pixel template methods to the original method, with values generally fluctuating between 1.0 and 1.4 across the x-axis range.

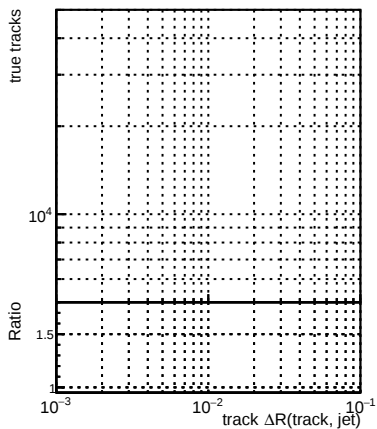
N of associated (recoToSim) loop tracks vs dR



N of reconstructed tracks vs dR(track,jet)



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



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

