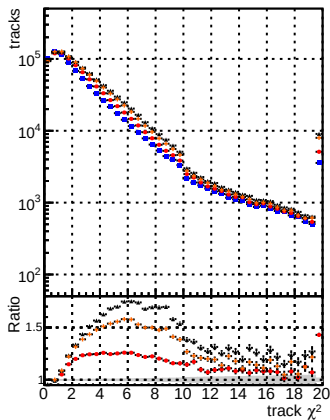
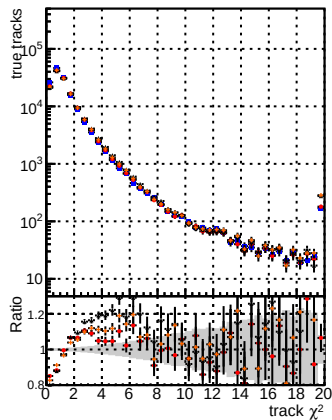


N of reco track vs normalized χ^2

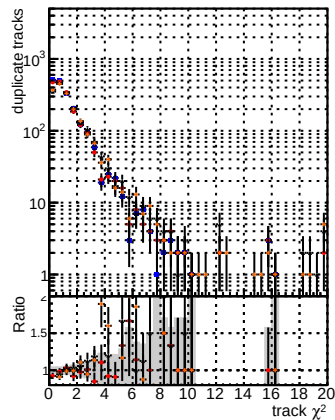


N of associated (recoToSim) tracks vs normalized χ^2

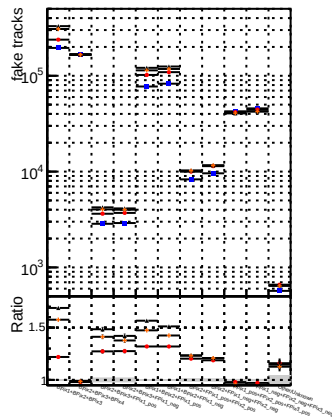
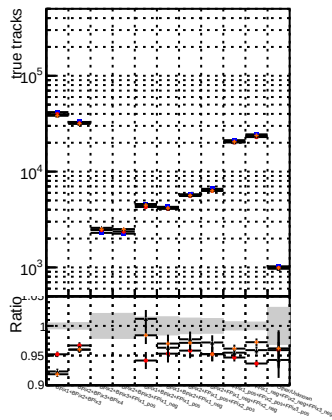
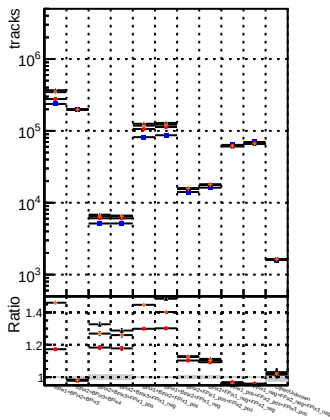


The figure consists of two vertically stacked panels sharing a common x-axis labeled 'track χ^2 ' ranging from 0 to 20. The top panel's y-axis is 'fake tracks' on a logarithmic scale from 10^2 to 10^5 . It shows four data series: black crosses, red circles, blue squares, and green diamonds, all decreasing from approximately 10^5 at $\chi^2=0$ to between 10^3 and 10^4 at $\chi^2=20$. The bottom panel's y-axis is 'Ratio' on a linear scale from 1 to 1.5. It shows the same four series, with the black crosses peaking at ~1.6 around $\chi^2=6$, the green diamonds at ~1.4 around $\chi^2=6$, the red circles at ~1.2 around $\chi^2=6$, and the blue squares remaining near 1.0. A horizontal dashed line is at Ratio = 1.0.

N of associated (recoToSim) looper tracks vs normalized χ^2



N of reco track vs. s



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