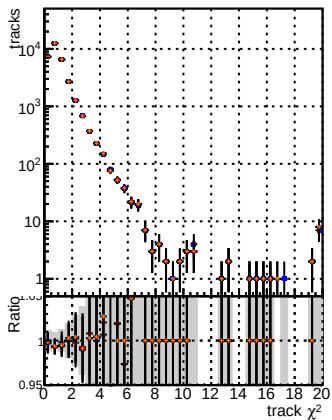
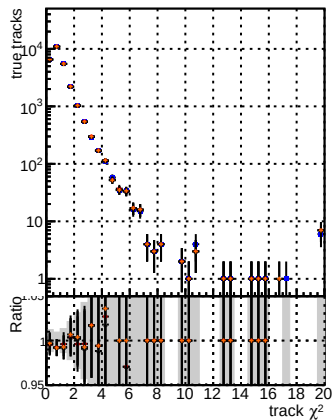


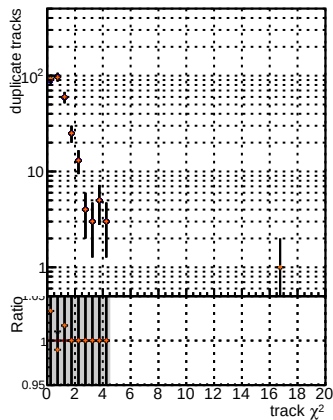
N of reco track vs normalized χ^2



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



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



N of reco track vs. s

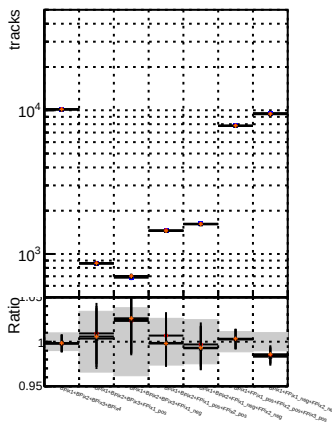
[illegible]

Figure 1 is a log-log plot showing the number of duplicate tracks (Y-axis, ranging from 0.5 to 100) versus the Ratio (X-axis, ranging from 0.95 to 1.0). The plot compares the performance of different methods (naive, naive+naive, naive+naive+naive, naive+naive+naive+naive, naive+naive+naive+naive+naive) in terms of the number of duplicate tracks. The naive method shows a sharp increase in duplicate tracks as the ratio increases, while the other methods show a much flatter, more stable relationship.