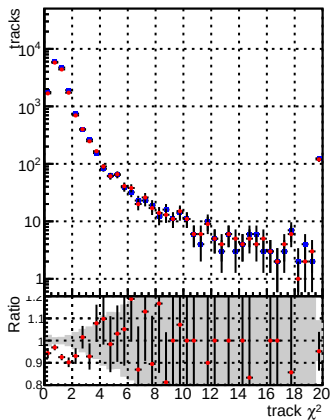
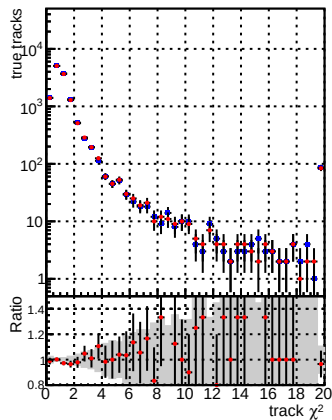


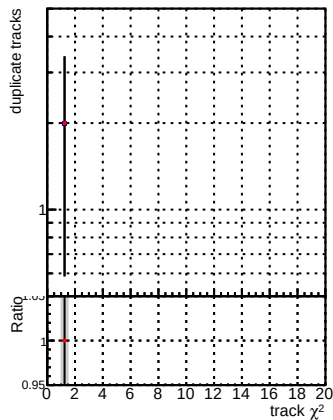
N of reco track vs normalized χ^2



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

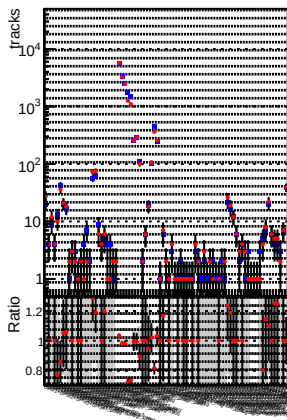


Figure 1 consists of four subplots arranged in a 2x2 grid. The y-axis for all plots is labeled 'duplicate tracks' and ranges from 0.95 to 1.05. The x-axis for all plots is labeled 'Ratio' and ranges from 0.95 to 1.05. The subplots are labeled as follows:

- Top-left: 'duplicate tracks = 1, Ratio = 1.0'
- Top-right: 'duplicate tracks = 1, Ratio = 1.05'
- Bottom-left: 'duplicate tracks = 1.05, Ratio = 1.0'
- Bottom-right: 'duplicate tracks = 1.05, Ratio = 1.05'

Each subplot shows a grid of points. Red dots are placed at the intersection of the 'duplicate tracks' value and the 'Ratio' value. For example, in the top-left plot, a red dot is at (1.0, 1.0). In the top-right plot, a red dot is at (1.05, 1.05). In the bottom-left plot, a red dot is at (1.0, 1.05). In the bottom-right plot, a red dot is at (1.05, 1.05).