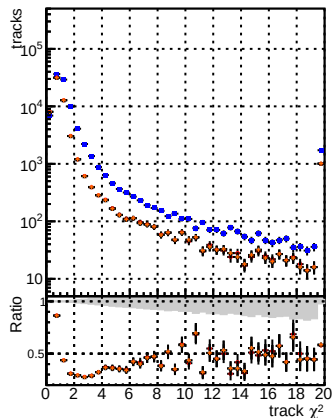


N of reco track vs normalized χ^2



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

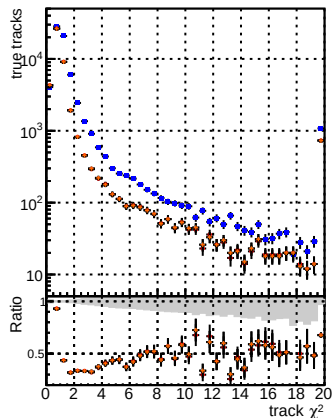
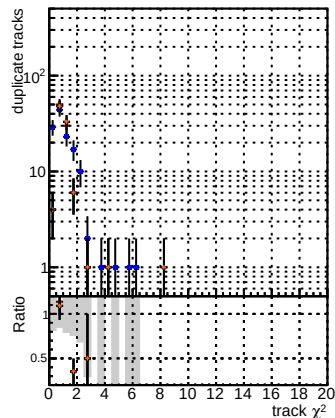


Figure 1 consists of two panels. The top panel is a log-linear plot of the ratio of fake tracks to total tracks versus track χ^2 . The y-axis is labeled 'fake_tracks' and ranges from 1 to 10^4 on a logarithmic scale. The x-axis is labeled 'track χ^2 ' and ranges from 0 to 20. Data points are shown for blue and orange tracks, with error bars. The ratio decreases sharply from 10^4 at $\chi^2 = 0$ to around 10 at $\chi^2 = 10$, and then remains relatively flat. The bottom panel is a linear plot of the ratio versus track χ^2 . The y-axis is labeled 'Ratio' and ranges from 0 to 1. The x-axis is labeled 'track χ^2 ' and ranges from 0 to 20. Data points are shown for blue and orange tracks, with error bars. A shaded gray region indicates the background level, which is around 0.5.

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



N of reco track vs. s		BGM v0001 P00000000001 Global CMZZWWW BFFN7(50)bw+Quad RECO
		DOM v0001 R00000000001 Global CMZZWWW scmod05-RECO RECO

