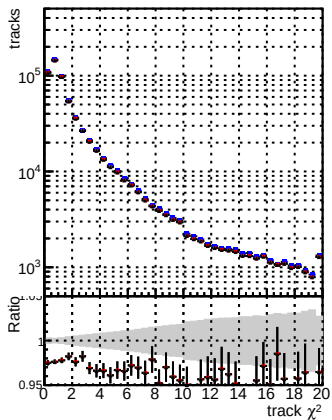
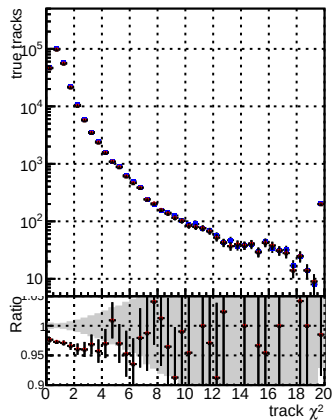


N of reco track vs normalized χ^2



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

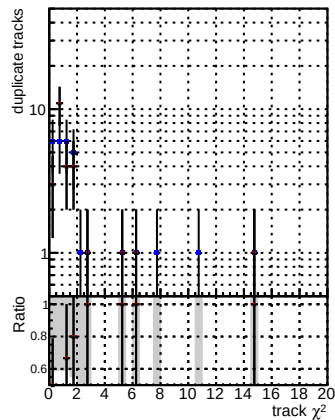


The figure consists of two vertically stacked panels sharing a common x-axis labeled 'track χ^2 ' ranging from 0 to 20.

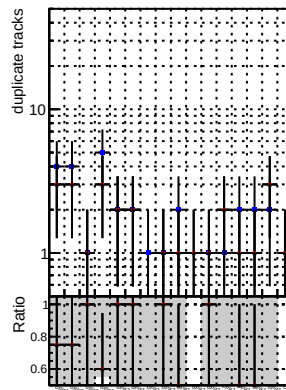
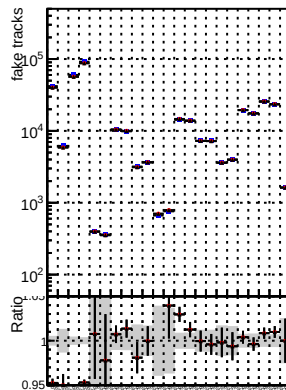
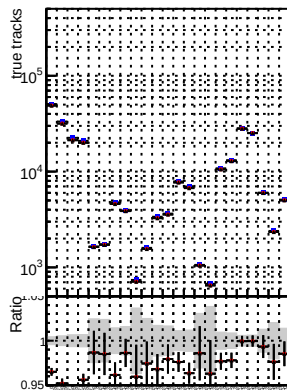
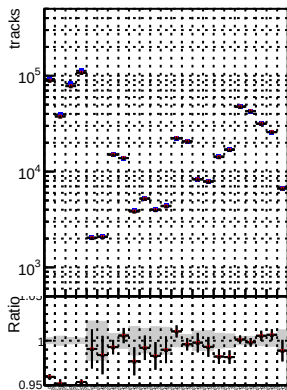
The top panel is a log-linear plot of 'fake tracks' (y-axis, logarithmic scale from 10^3 to 10^5) versus 'track χ^2 '. It shows a dense background of small black dots representing all tracks, and a series of larger purple dots representing fake tracks. The number of fake tracks decreases as χ^2 increases, starting from approximately 4×10^4 at $\chi^2 = 0$ and reaching about 10^3 at $\chi^2 = 20$.

The bottom panel is a linear plot of 'Ratio' (y-axis, linear scale from 0.9 to 1.1) versus 'track χ^2 '. It shows data points with vertical error bars. A solid black line represents the ratio, which starts at 1.0 for $\chi^2 = 0$, rises slightly to a peak of about 1.01 around $\chi^2 = 2$, and then gradually decreases towards 0.95 as χ^2 increases to 20. A light gray shaded region represents the uncertainty band around the ratio, which is wider at lower χ^2 and narrows as χ^2 increases.

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



N of reco track vs. s	DOM mkFit	base 8iter noSel	base 8iter noSel ok	Retrainv2 8iter noSel ok
	DOM mkFit	base 8iter noSel	base 8iter noSel ok	Retrainv2 8iter noSel ok



yerSet