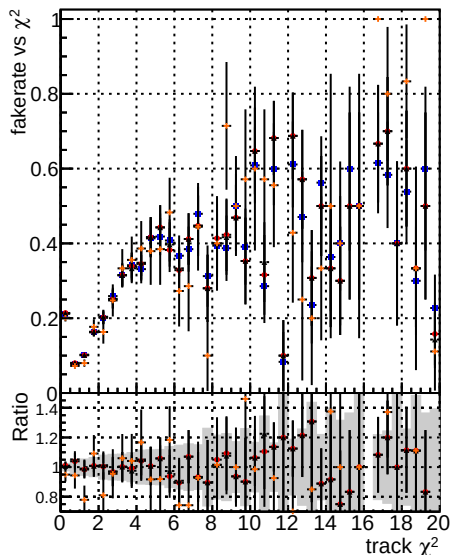
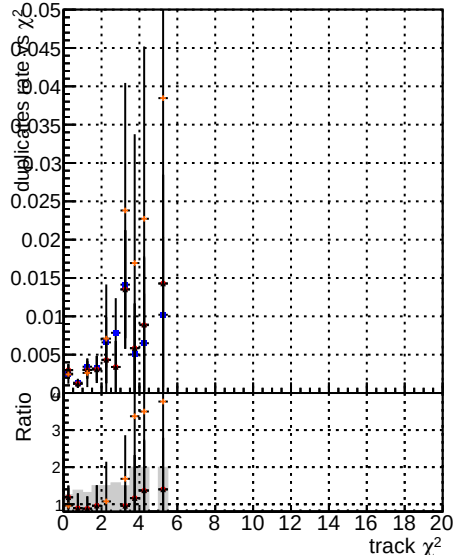


Fake rate vs normalized χ^2



Duplicates Rate vs normalized χ^2



Pileup rate vs normalized χ^2

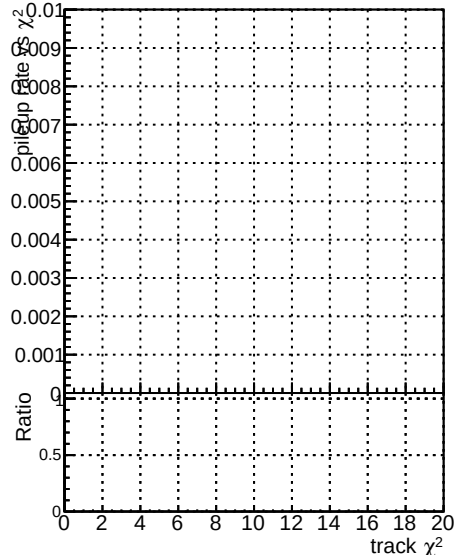


Figure 1: Fake rate vs. True Positive Rate (ROC) curves for various methods. The plot shows six curves: Global mkrFit baseline (blue), Global mkrFit CoreNoClean (orange), Global mkrFit Core50max (green), Global mkrFit Cand-33 (red), DUPRemoval (purple), and BGM V0001 (grey). The BGM V0001 curve is the highest, indicating the best performance. The Global mkrFit CoreNoClean curve is the lowest, indicating the worst performance. The other curves are clustered in between.

