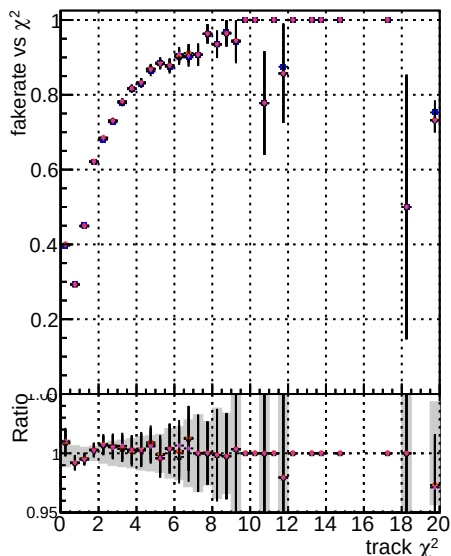
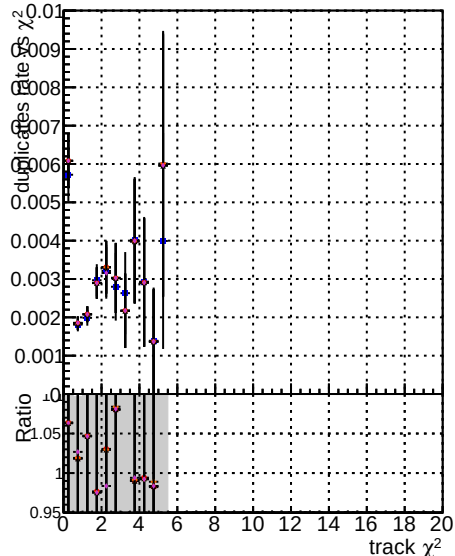


Fake rate vs normalized χ^2



Duplicates Rate vs normalized χ^2



Pileup rate vs normalized χ^2

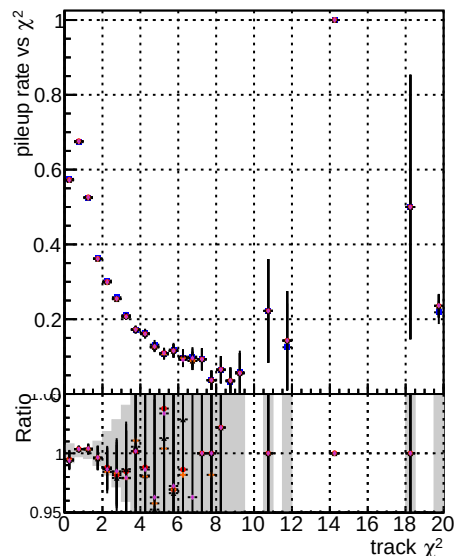


Figure 1: Fake rate vs. retrain. The chart shows the fake rate for four models: DOM, mkFit, XiMinus, and PU. The fake rate for DOM is approximately 0.1, for mkFit is approximately 0.2, for XiMinus is approximately 0.3, and for PU is approximately 0.4. The chart shows that the fake rate increases as the model is retrained.

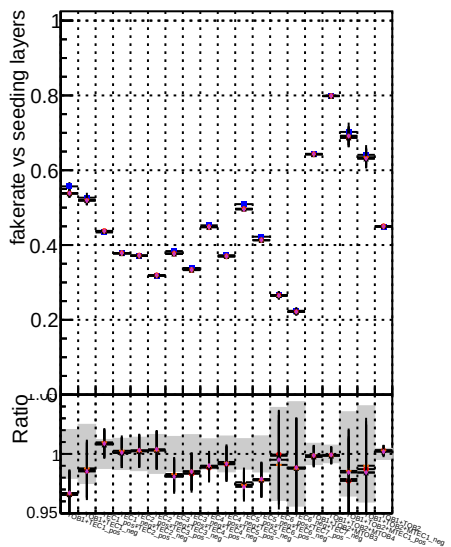


Figure 1 is a plot showing the ratio of the number of gates in the decomposition of the product of two gates to the number of gates in the decomposition of the product of the two gates, as a function of the number of qubits. The x-axis is labeled "Ratio" and ranges from 1.0 to 1.1. The y-axis is labeled "Gates" and ranges from 0.001 to 0.01. The plot shows three data points with error bars, corresponding to the ratios 1.001, 1.002, and 1.003. The ratios are labeled as 1.001, 1.002, and 1.003. The plot shows that the ratio is slightly above 1.0 for all three cases, indicating that the decomposition is slightly more efficient than the naive approach.