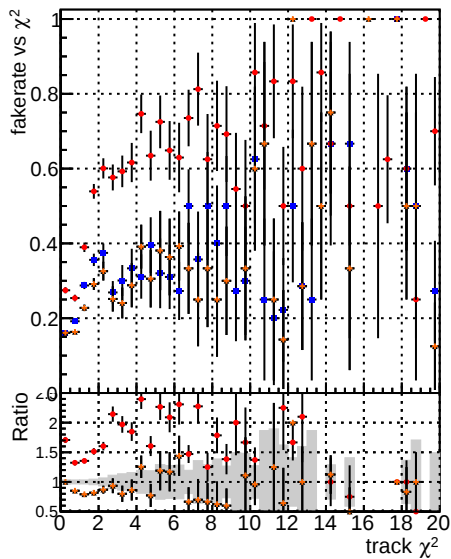
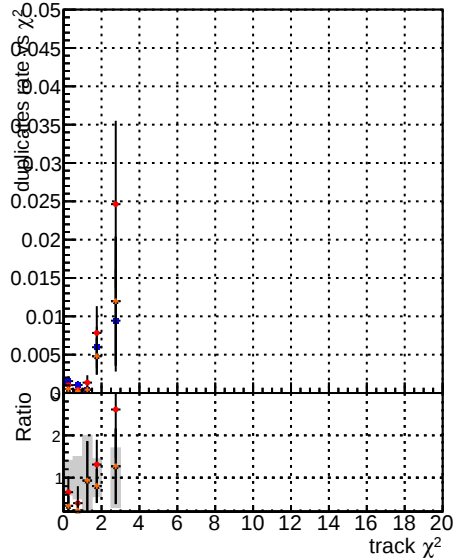


Fake rate vs normalized χ^2



Duplicates Rate vs normalized χ^2



Pileup rate vs normalized χ^2

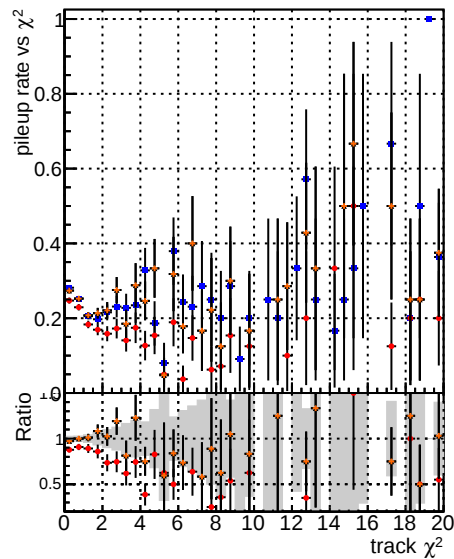


Figure 10 is a line plot showing the fake rate versus the pile-up (PU) rate for different PU models. The x-axis represents the PU rate, ranging from 0.0 to 2.0. The y-axis represents the fake rate, ranging from 0.0 to 1.0. The plot includes data for several PU models: DOM, GKE, TTbar, and others. The legend indicates that the data points are color-coded by model: blue for DOM, red for GKE, and black for TTbar. The plot shows that the fake rate generally increases with the PU rate, and the different PU models exhibit varying levels of fake rate across the range of PU rates.

