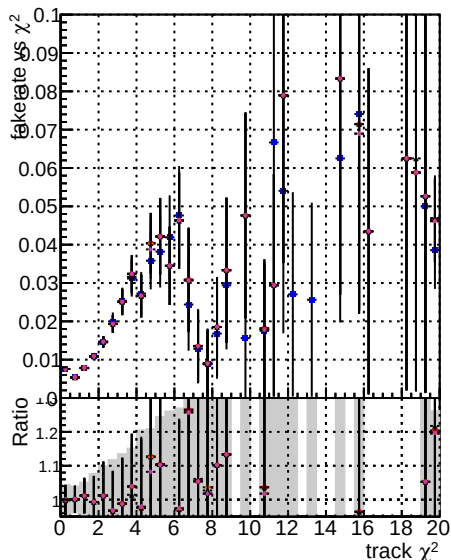
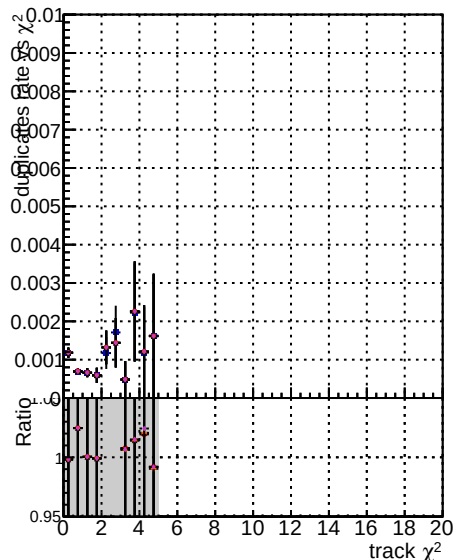


Fake rate vs normalized χ^2



Duplicates Rate vs normalized χ^2



Pileup rate vs normalized χ^2

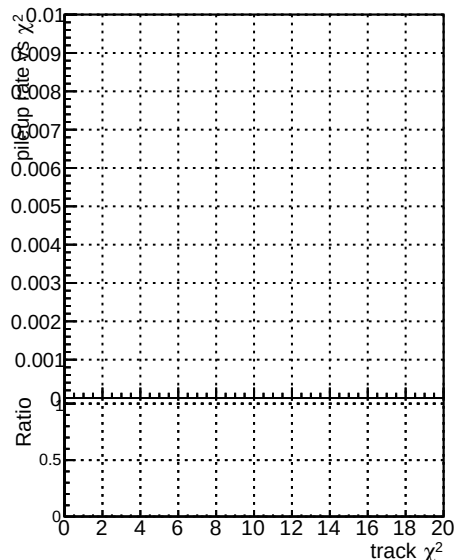
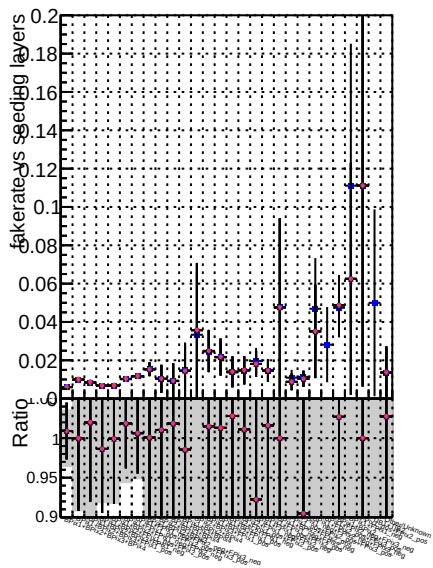


Figure 1: Fake rate vs. signal-to-noise ratio. The plot shows the fake rate (y-axis, 0 to 1) versus the signal-to-noise ratio (x-axis, 0 to 10). The legend indicates the following models: DOM, mkFit, Ximinus, NOBU, NEW, default, SPECT, BESS, and SSS. The fake rate generally decreases as the signal-to-noise ratio increases. The SSS model shows the highest fake rate, while the SPECT model shows the lowest.

[illegible]