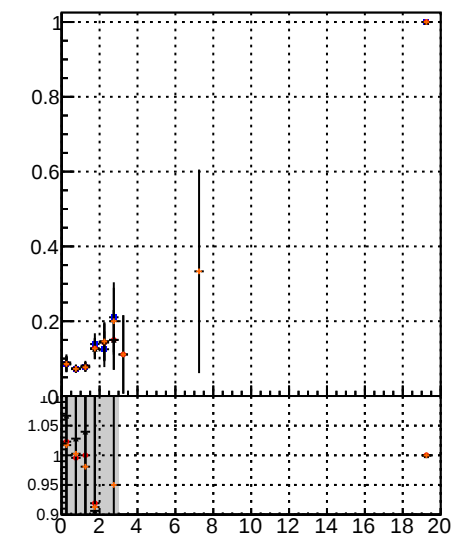


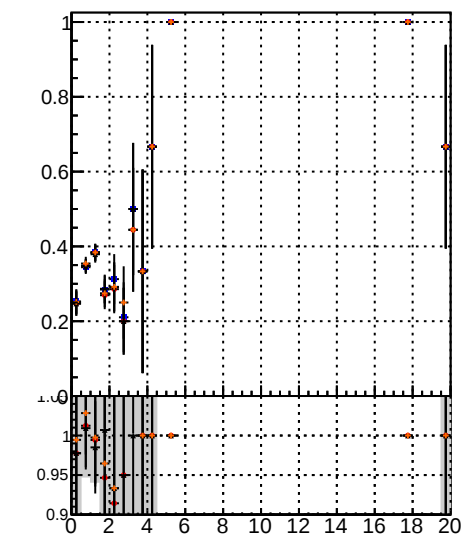
Fake rate vs normalized χ^2



Duplicates Rate vs normalized χ^2



Pileup rate vs normalized χ^2



Fake rate vs. χ^2 for BQM, MS det1, and MS det109 models. The plot shows the distribution of χ^2 values for each model, with the MS det109 model showing a sharp increase in fake rate at high χ^2 values.

