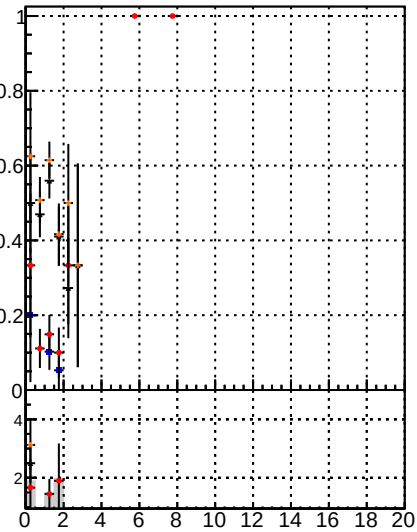
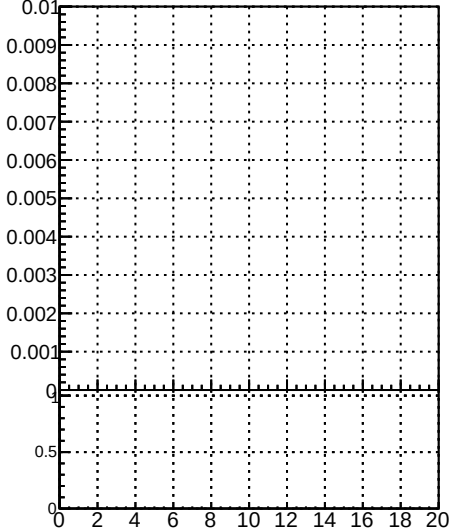


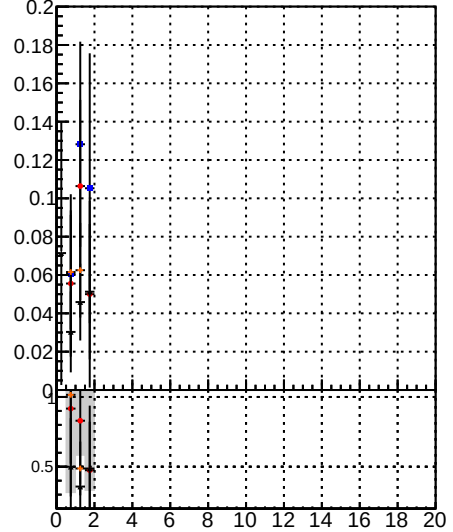
Fake rate vs normalized χ^2



Duplicates Rate vs normalized χ^2



Pileup rate vs normalized χ^2



Fake rate vs. χ^2 for BDT, Displaced SUSY, and CKFit. The plot shows the fake rate (0 to 1) vs normalized χ^2 (0 to 20) for the three methods. The BDT method shows a sharp drop in fake rate as χ^2 increases, while Displaced SUSY and CKFit show a more gradual decrease.

