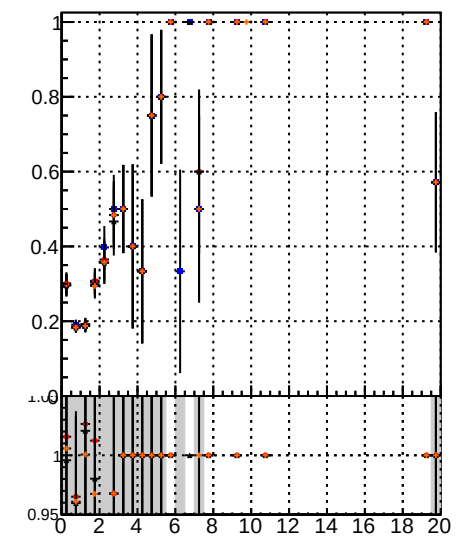
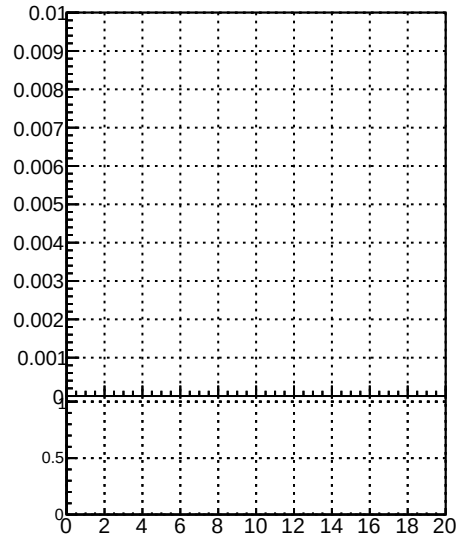


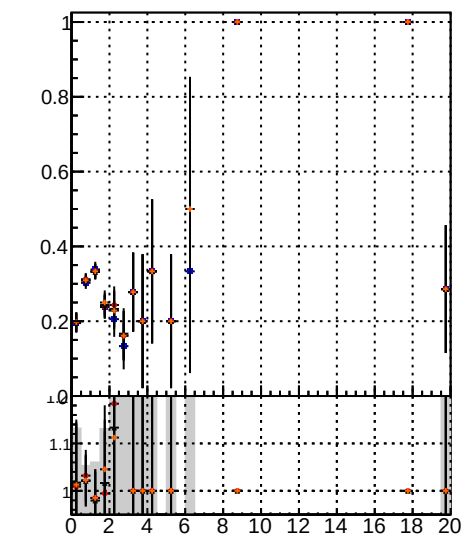
Fake rate vs normalized χ^2



Duplicates Rate vs normalized χ^2



Pileup rate vs normalized χ^2



Fake rate vs. χ^2 for BQM, MS, and data. The plot shows the distribution of the fake rate for different χ^2 bins. The x-axis represents the normalized χ^2 value, and the y-axis represents the fake rate. The legend indicates that the blue line represents BQM, the black line represents MS, and the red line represents data. The plot shows that the fake rate is generally higher for BQM and MS compared to data, especially at lower χ^2 values.

