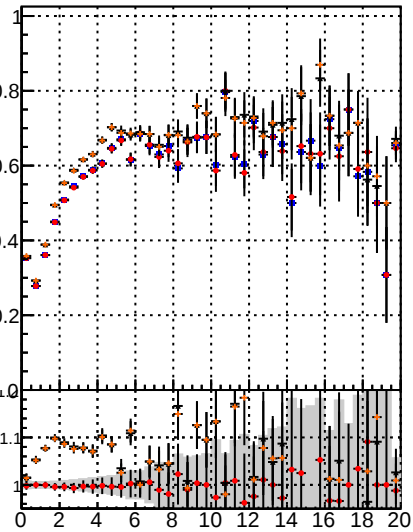
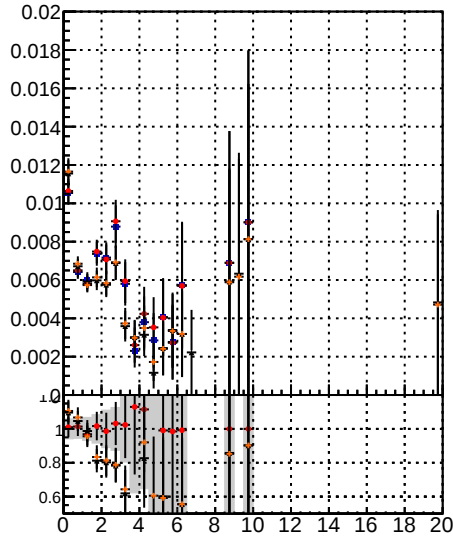


### Fake rate vs normalized $\chi^2$



### Duplicates Rate vs normalized $\chi^2$



### Pileup rate vs normalized $\chi^2$

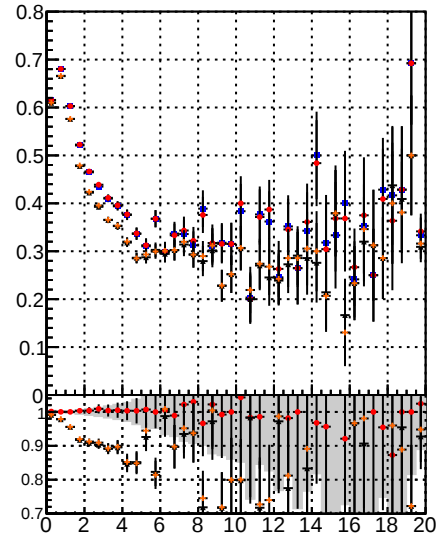


Figure 1 is a line graph showing the 'Fake rate vs.' for various models. The y-axis represents the fake rate, ranging from 0 to 1. The x-axis lists the models: DOM, noMS, DOM + noMS, PL, OrigDOM, orig-MS, pixelLessOrigDOM, and mod MS. The graph shows that the 'orig-MS' model has the highest fake rate, followed by 'DOM + noMS' and 'DOM'. The 'mod MS' model has the lowest fake rate, followed by 'pixelLessOrigDOM' and 'OrigDOM'.

