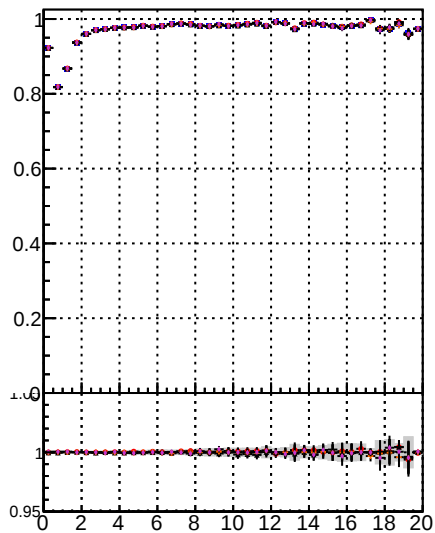
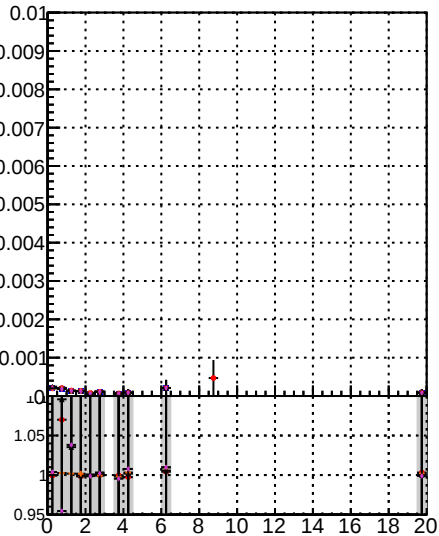


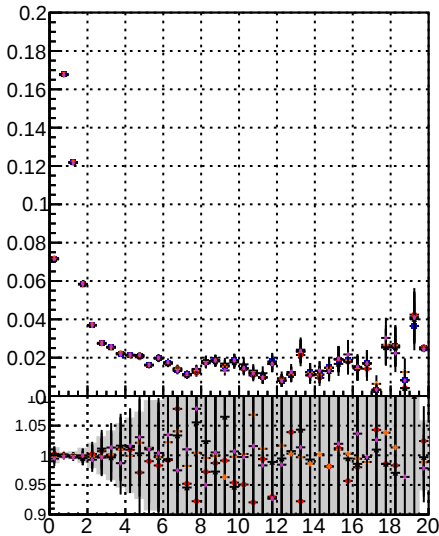
Fake rate vs. normalized  $\chi^2$



Duplicates Rate vs. normalized  $\chi^2$



Pileup rate vs. normalized  $\chi^2$



Fake rate vs. 

