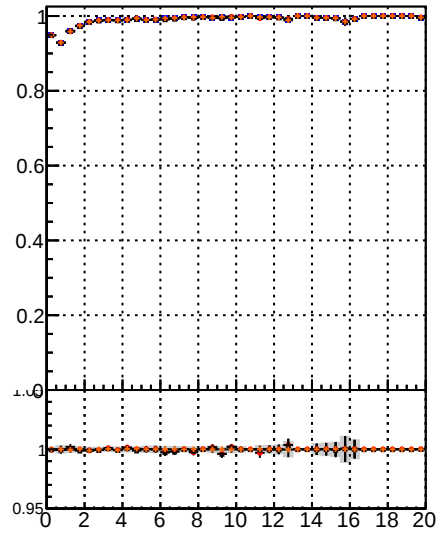


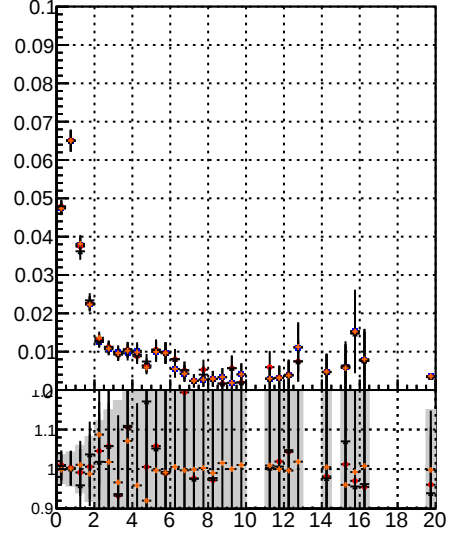
Fake rate vs normalized  $\chi^2$



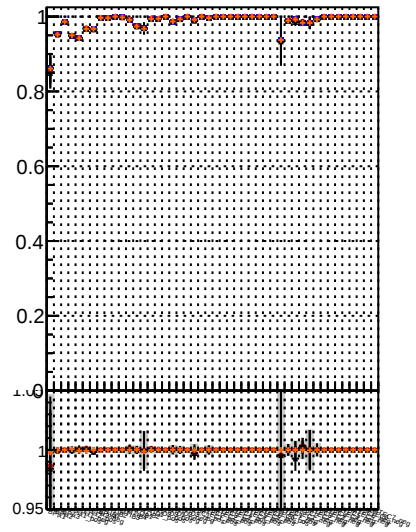
Duplicates Rate vs normalized  $\chi^2$



Pileup rate vs normalized  $\chi^2$



Fake rate vs.  $\chi^2$



Pileup rate vs  $\chi^2$

