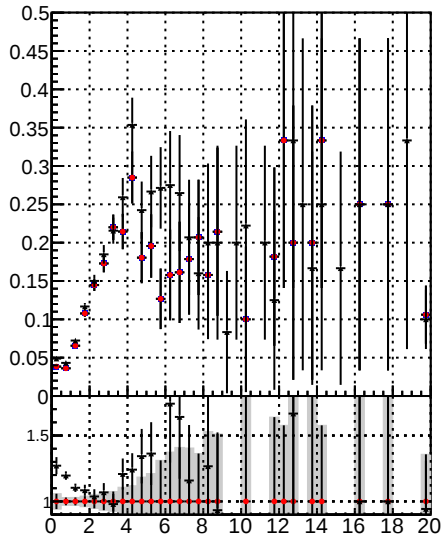
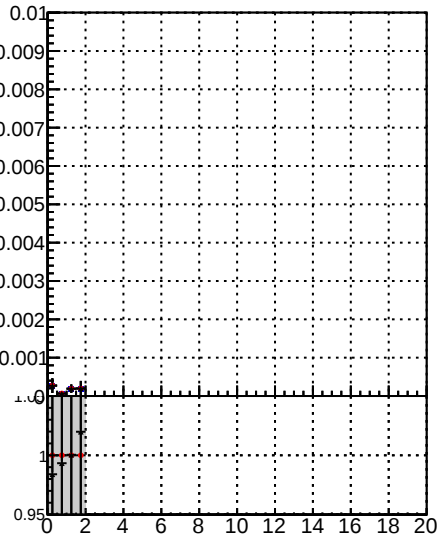
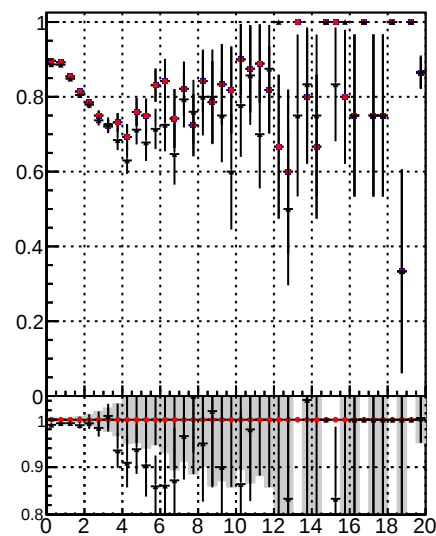


Fake rate vs normalized  $\chi^2$ Duplicates Rate vs normalized  $\chi^2$ Pileup rate vs normalized  $\chi^2$ Fake rate vs.  $\chi^2$ 