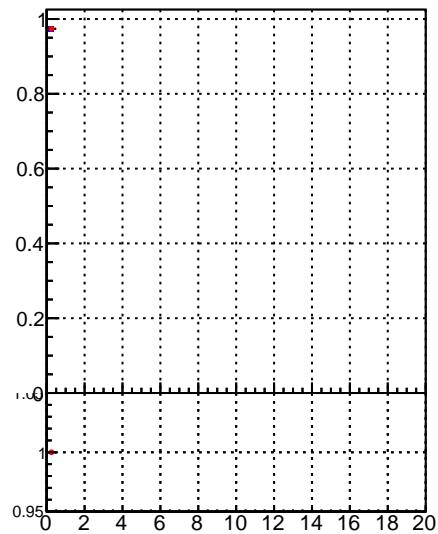
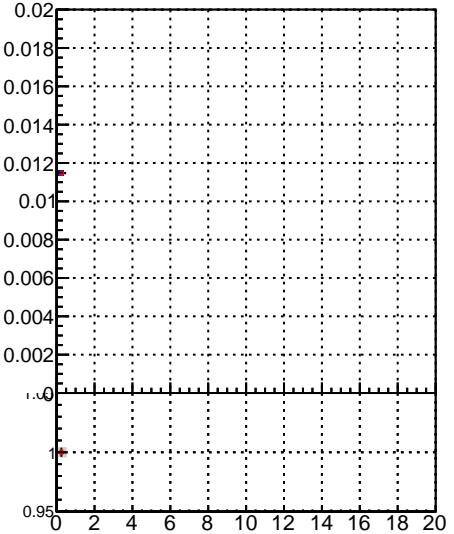
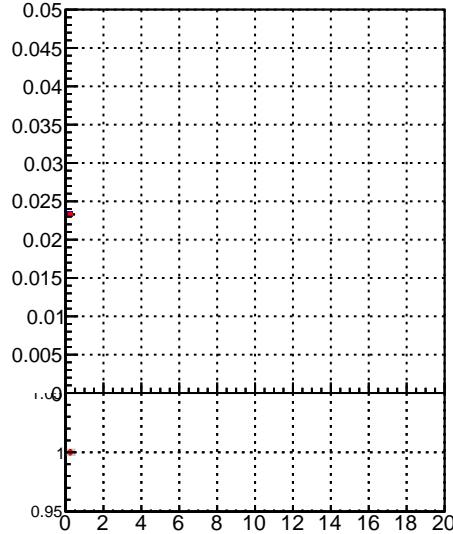


**Fake rate vs normalized  $\chi^2$** **Duplicates Rate vs normalized  $\chi^2$** **Pileup rate vs normalized  $\chi^2$** **Fake rate vs. [DQM\_TT, mkFit-DQM\_pless\_orig, DQM\_TT, mkFit-DQM\_pless\_mod]**