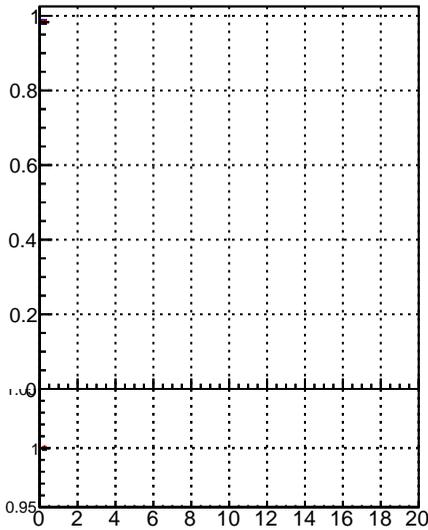
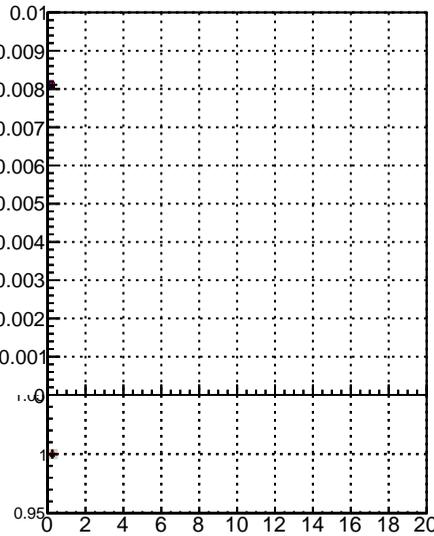


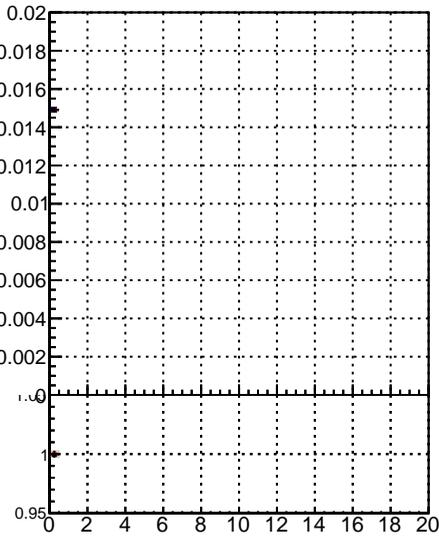
Fake rate vs normalized  $\chi^2$



Duplicates Rate vs normalized  $\chi^2$



Pileup rate vs normalized  $\chi^2$



Fake rate vs.   
 — BGM TT mkFit-DQM   
 — BGM TT mkFit-DQM-adjusted   
 — BGM TT mkFit-DQM-adjusted2

