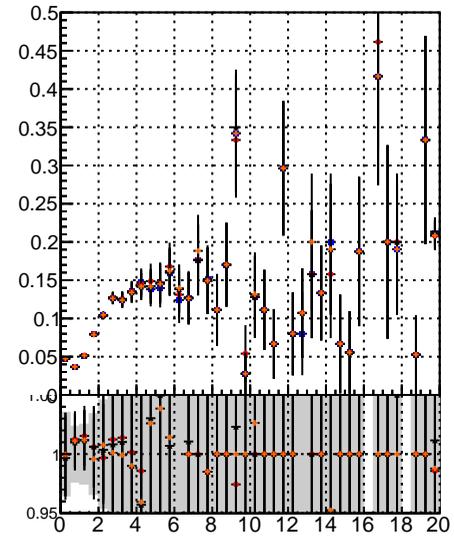
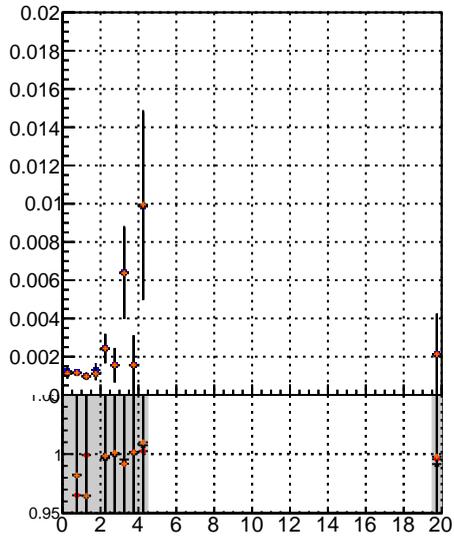
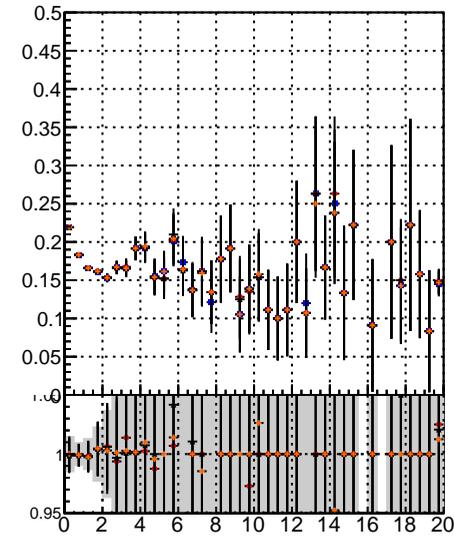


Fake rate vs normalized  $\chi^2$ Duplicates Rate vs normalized  $\chi^2$ Pileup rate vs normalized  $\chi^2$ 

Fake rate vs.   
 BCM  MS  data   
 det0  det09

