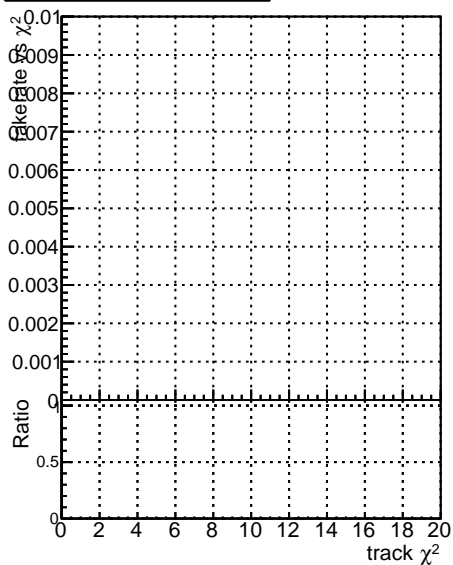
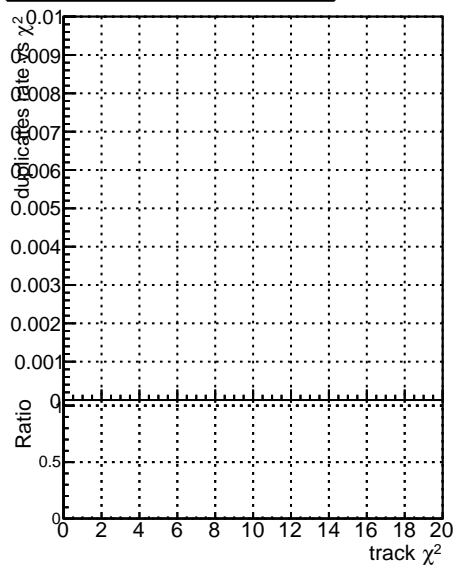


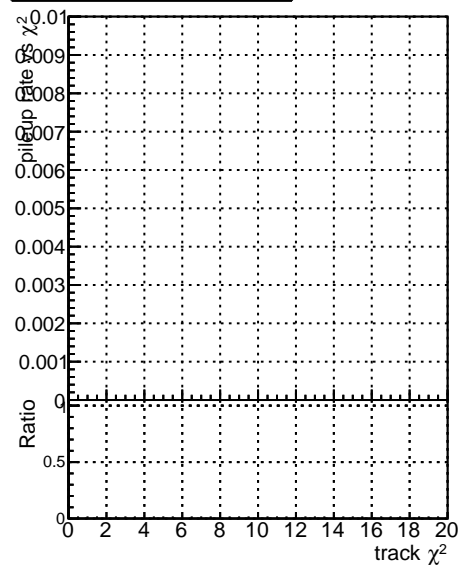
**Fake rate vs normalized  $\chi^2$**



**Duplicates Rate vs normalized  $\chi^2$**



**Pileup rate vs normalized  $\chi^2$**



—•— trimmed\_pata\_region\_new  
—•— trimmed\_pata\_region