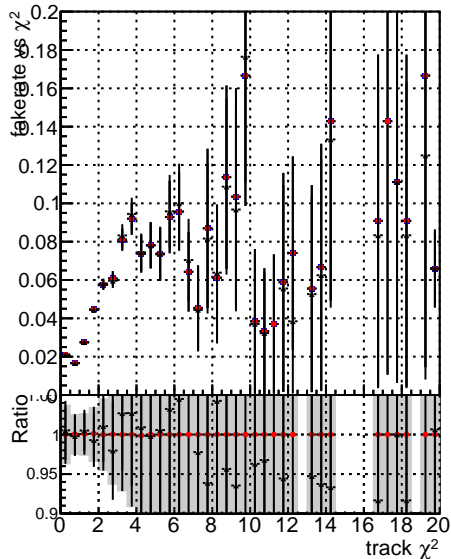
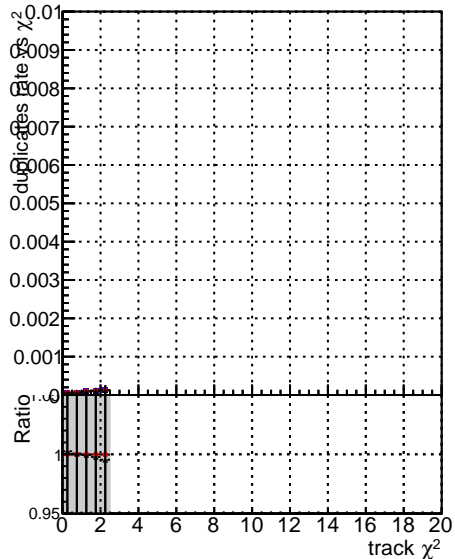
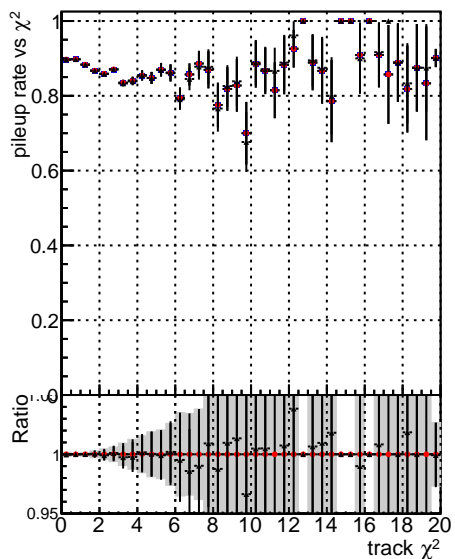


**Fake rate vs normalized  $\chi^2$** **Duplicates Rate vs normalized  $\chi^2$** **Pileup rate vs normalized  $\chi^2$** 

**Fake rate vs.**   
■ DQM ttbarPU mkFit 5iter   
● DQM ttbarPU mkFit 5iter updatedPR111 update   
× DQM ttbarPU mkFit 5iter updatedPR111 update fixPropagation

