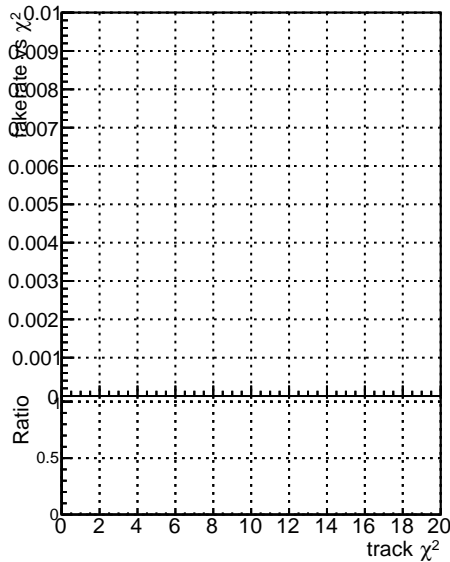
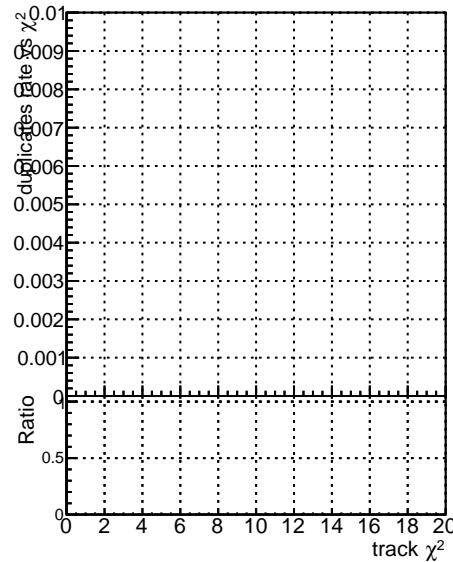
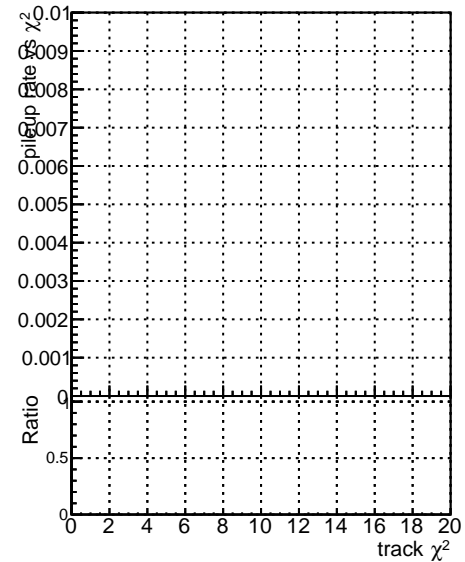


**Fake rate vs normalized  $\chi^2$** **Duplicates Rate vs normalized  $\chi^2$** **Pileup rate vs normalized  $\chi^2$** 

— SoftQCD\_default  
— SoftQCD\_ckfPixelLessStep