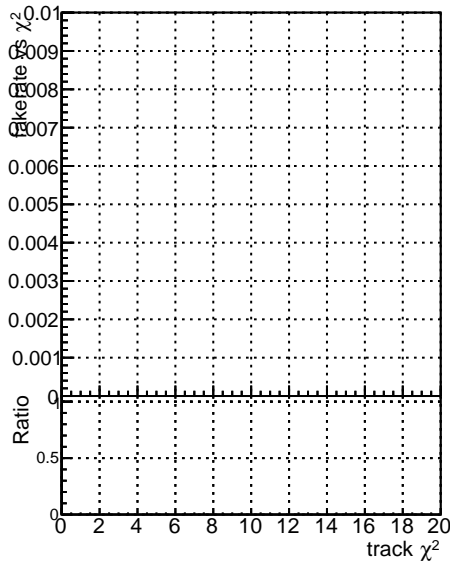
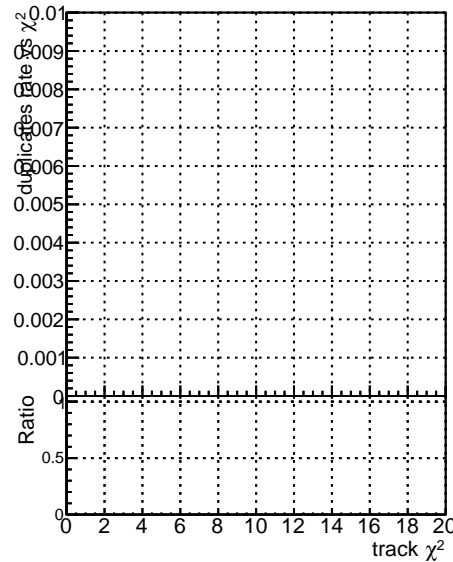
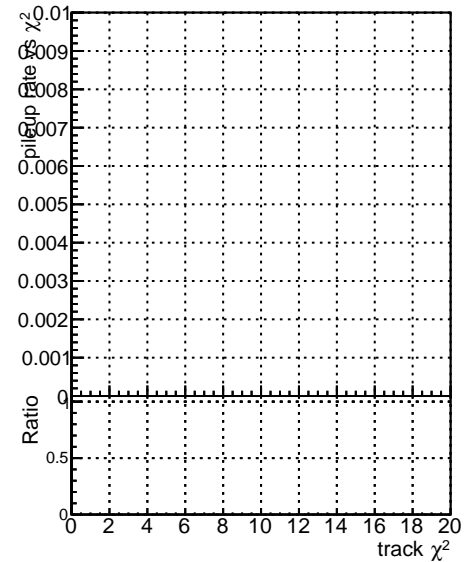


**Fake rate vs normalized  $\chi^2$** **Duplicates Rate vs normalized  $\chi^2$** **Pileup rate vs normalized  $\chi^2$** 

—•— SoftQCD\_default  
—•— SoftQCD\_ckfPixelLessStep