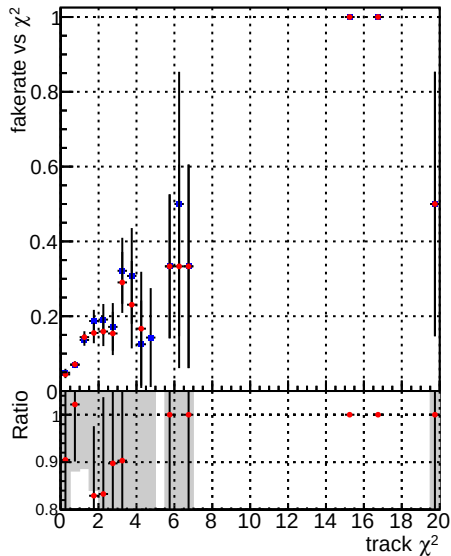
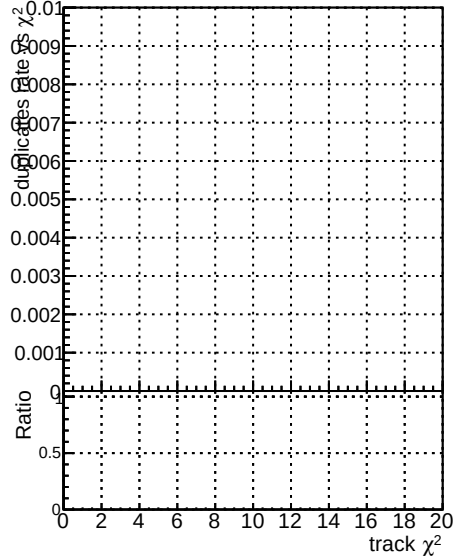


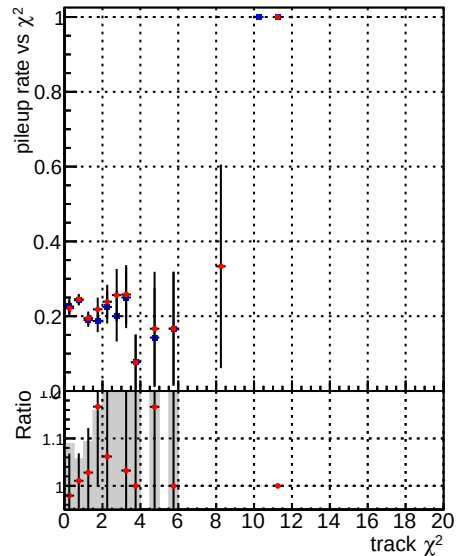
**Fake rate vs normalized  $\chi^2$**



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



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



**Fake rate vs.  $\chi^2$**   
 —●— DQM CKF XiMinusPU base  
 —●— DQM CKF XiMinusPU\_retrainOldFiles125\_v2\_prelimWPM\_epoch0

