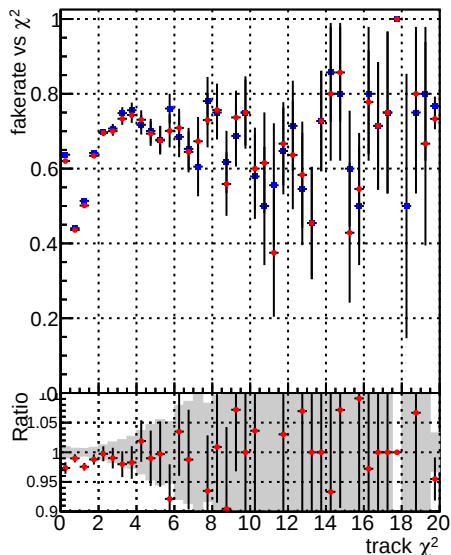
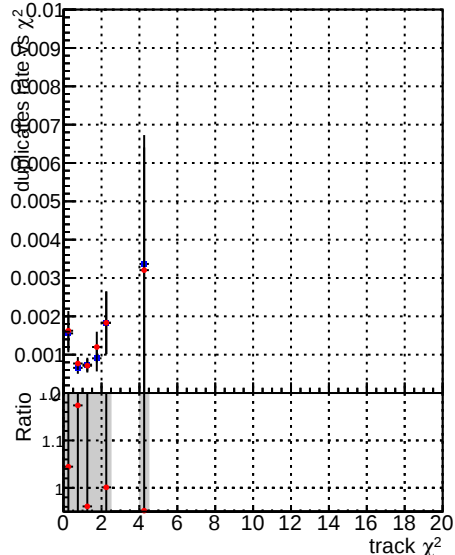


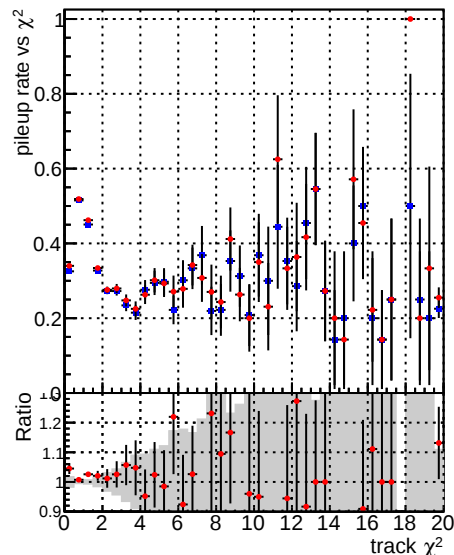
**Fake rate vs normalized  $\chi^2$**



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



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



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

—♦— DQM CKF XiMinusNOPU\_base  
—♦— DQM CKF XiMinusNOPU\_retrainOldFiles125\_v2\_prelimWPM\_epoch4

