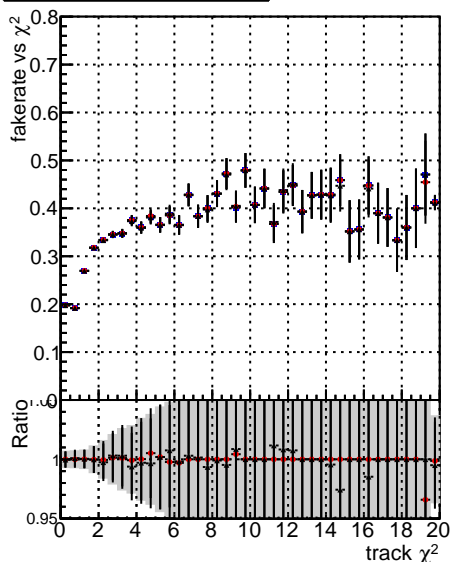
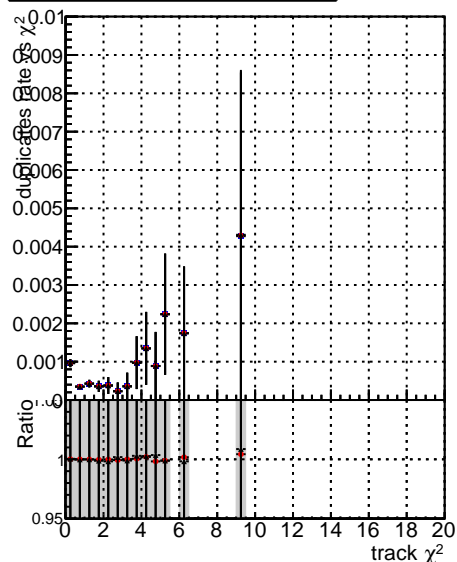


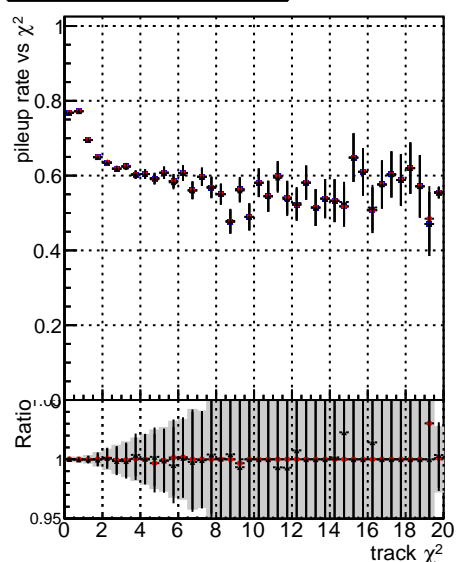
**Fake rate vs normalized  $\chi^2$**



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



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



**Fake rate vs.**

- BQM ttbarPU mkFit 5iter
- BQM ttbarPU mkFit 5iter updatedPR111 update
- BQM ttbarPU mkFit 5iter updatedPR111 update fixPropagation

