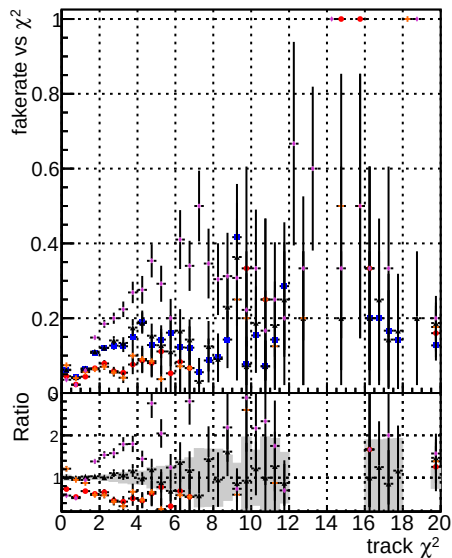
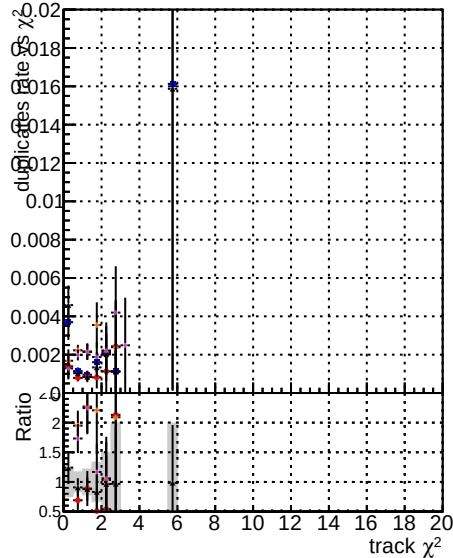


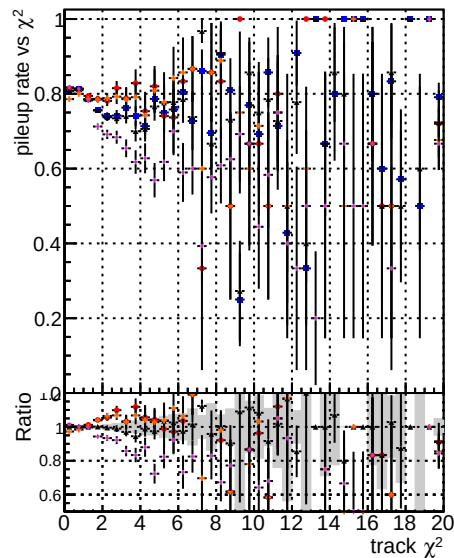
**Fake rate vs normalized  $\chi^2$**



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



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



**Fake rate vs.**

- DOMeston3
- DOMeston3+GKE
- DOMeston3+GKE+PileupLess
- DOMeston3+GKE+PileupLess+DefaultNewTOLDsample-ref2

