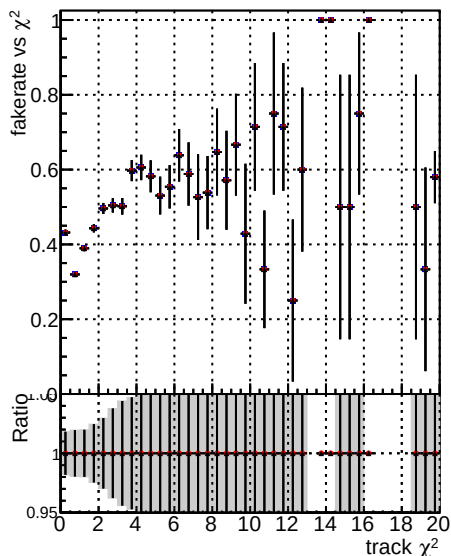
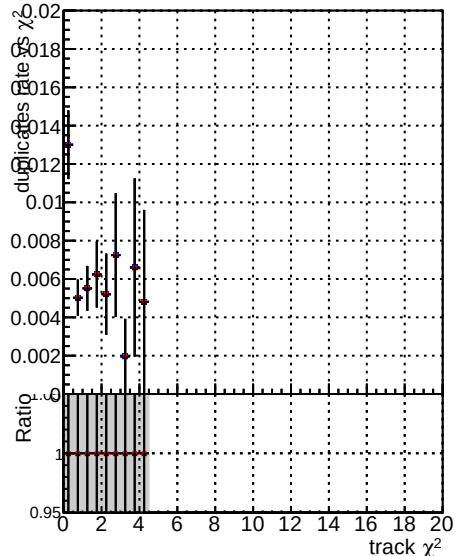


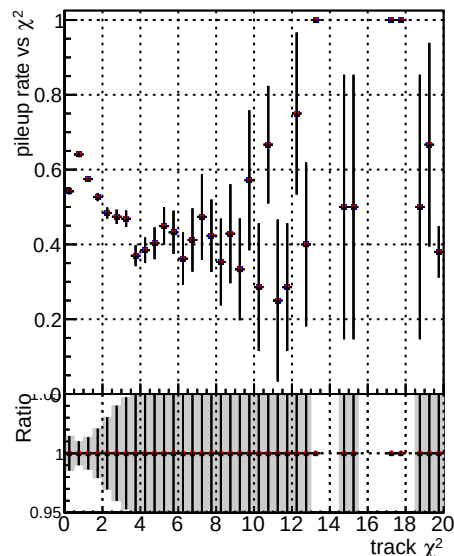
### Fake rate vs normalized $\chi^2$



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



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



Fake rate vs.  $\sqrt{s}$

| $\sqrt{s}$ (GeV) | DOM V0001 R0000000001 Global CMSSW NOBATCH RECO | DOM V0001 R0000000001 Global CMSSW BATCH RECO | DOM V0001 R0000000001 Global CMSSW FIX RECO |
|------------------|-------------------------------------------------|-----------------------------------------------|---------------------------------------------|
| 0                | ~0.0008                                         | ~0.0006                                       | ~0.0004                                     |
| 2                | ~0.0006                                         | ~0.0004                                       | ~0.0003                                     |
| 4                | ~0.0004                                         | ~0.0003                                       | ~0.0002                                     |
| 6                | ~0.0003                                         | ~0.0002                                       | ~0.00015                                    |
| 8                | ~0.0002                                         | ~0.00015                                      | ~0.0001                                     |
| 10               | ~0.00015                                        | ~0.0001                                       | ~0.00008                                    |
| 12               | ~0.0001                                         | ~0.00008                                      | ~0.00005                                    |
| 14               | ~0.00008                                        | ~0.00005                                      | ~0.00003                                    |

