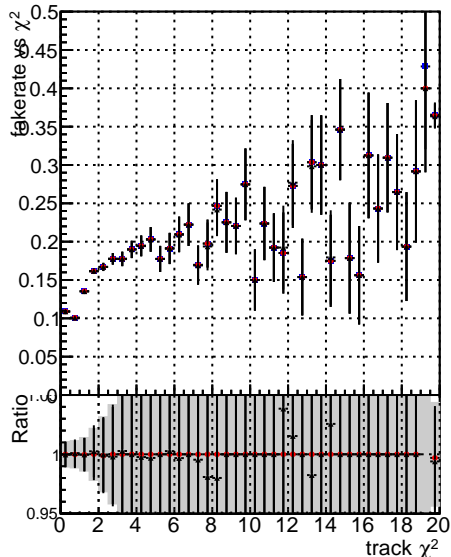
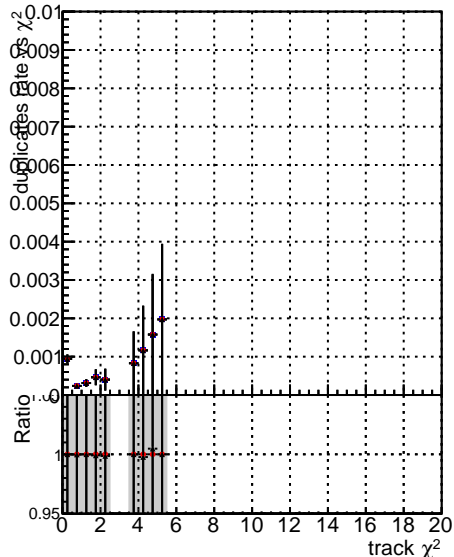


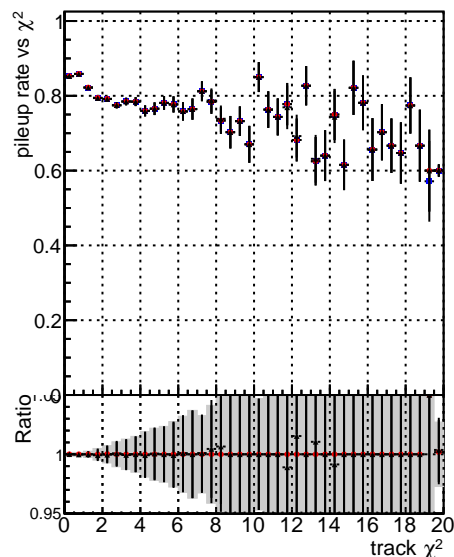
Fake rate vs normalized  $\chi^2$



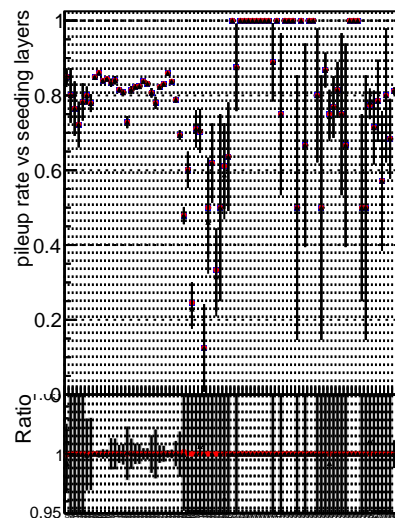
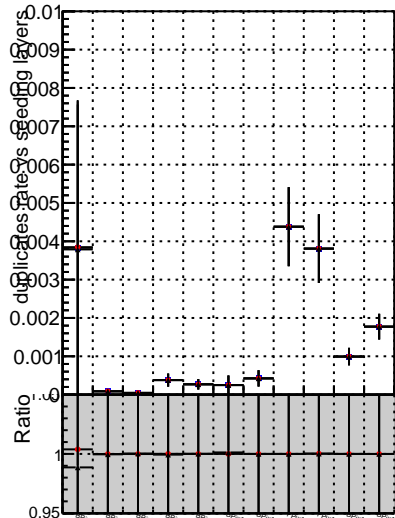
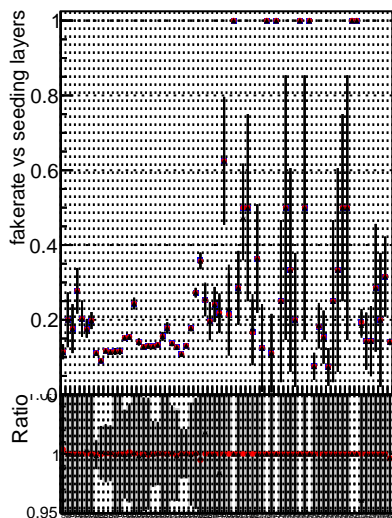
Duplicates Rate vs normalized  $\chi^2$



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



0.95 1.0 1.05 0.95 1.0 1.05 0.95 1.0 1.05