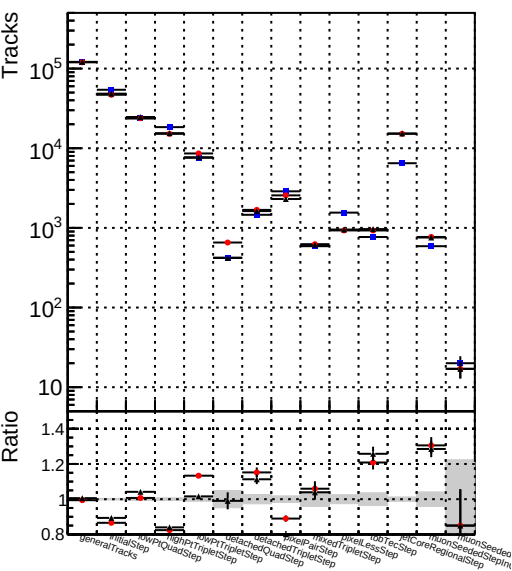
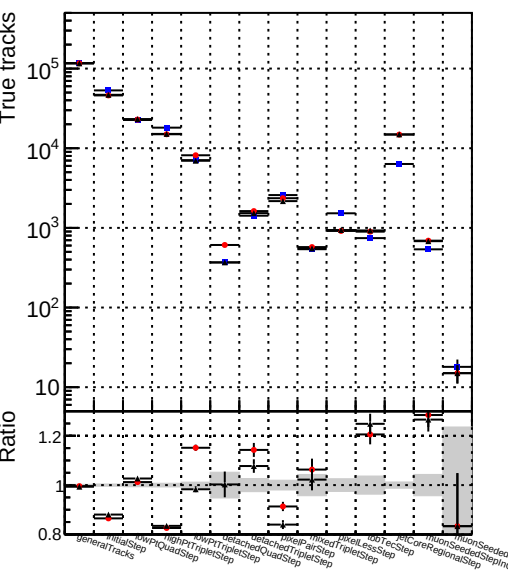


### Number of tracks vs collection



### Number of true tracks vs collection



Number

- DQMstep3\_SMS\_CKF
- DQMstep3\_SMS\_default
- DQMstep3\_SMS\_defaultNEWT

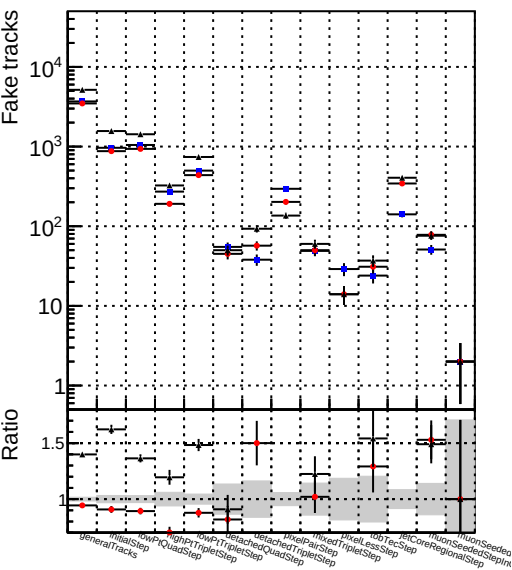


Figure 1 is a log-linear plot showing the ratio of duplicate tracks for various methods. The y-axis is labeled 'Ratio' and ranges from 0.7 to 100 (labeled as  $10^2$ ). The x-axis lists the methods: generalTracks, withStep, fourPTriplesStep, highPTriplesStep, detachedTriplesStep, densePTriplesStep, mixedPTriplesStep, popLessStep, objLessStep, coreLessStep, and mixedSeedlessStep. The plot shows that generalTracks has a high ratio of approximately 200, while other methods have ratios between 0.7 and 10. Error bars are shown for each method.

Number of pileup tracks vs collection

