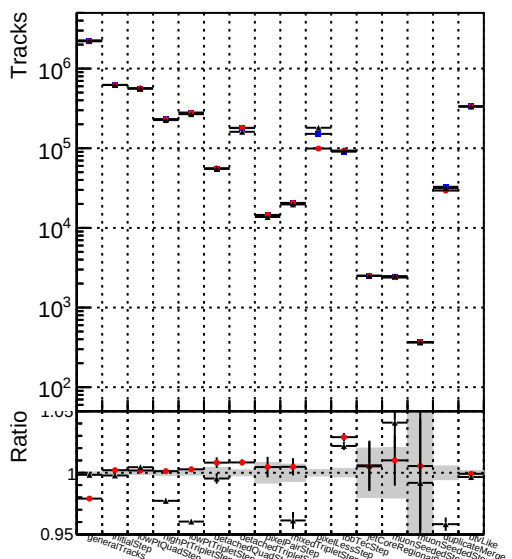
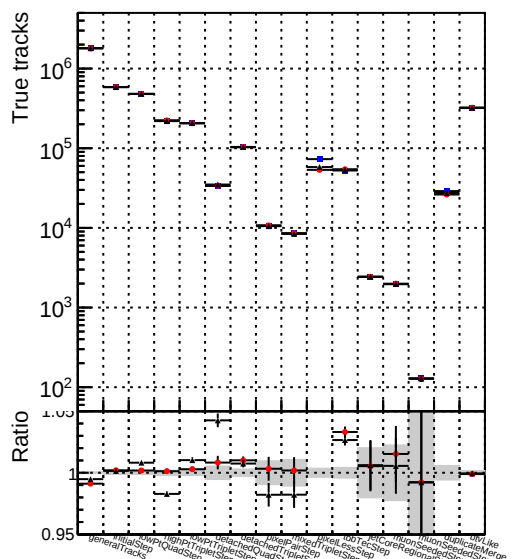


### Number of tracks vs collection



### Number of true tracks vs collection



| Number | Model                                |
|--------|--------------------------------------|
| 1      | DQM_mkFit_baseline6iter              |
| 2      | DOM_mkFit TT RetrainV2 WP2 6iter ep3 |

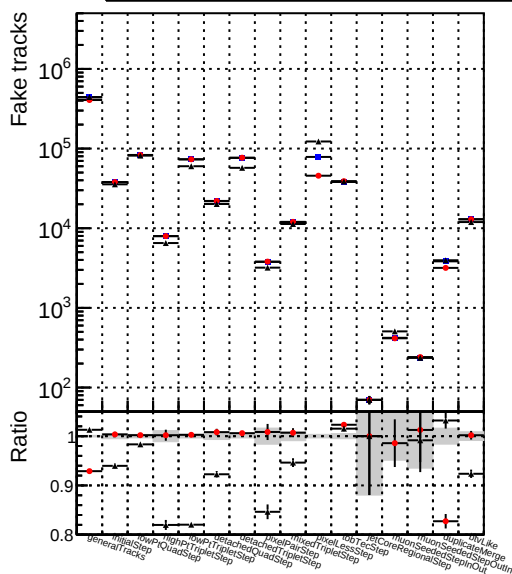


Figure 1 is a log-log plot showing the number of duplicate tracks (Y-axis, ranging from 10<sup>0</sup> to 10<sup>5</sup>) and the ratio of duplicate tracks to total tracks (bottom Y-axis, ranging from 0.9 to 1.0) for various methods (X-axis). The methods are: GeneralTracks, MultiStep, QuasiStep, DoubleStep, TripleStep, FilteredTripleStep, FilteredTripleStep, FilteredTripleStep, FilteredTripleStep, FilteredTripleStep, FilteredTripleStep, FilteredTripleStep, FilteredTripleStep, FilteredTripleStep, FilteredTripleStep, FilteredTripleStep, FilteredTripleStep, FilteredTripleStep, and FilteredTripleStep. The plot shows that the number of duplicate tracks varies significantly between methods, with some methods (e.g., GeneralTracks) having a high number of duplicates (around 10<sup>4</sup> to 10<sup>5</sup>) and others (e.g., FilteredTripleStep) having a low number (around 10<sup>0</sup> to 10<sup>1</sup>). The ratio of duplicate tracks to total tracks is generally close to 1.0, indicating that the methods are effective in identifying duplicate tracks.

### Number of pileup tracks vs collection

