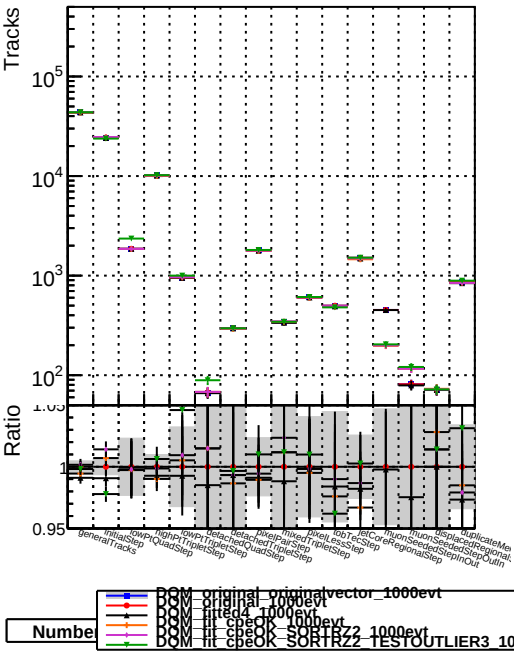
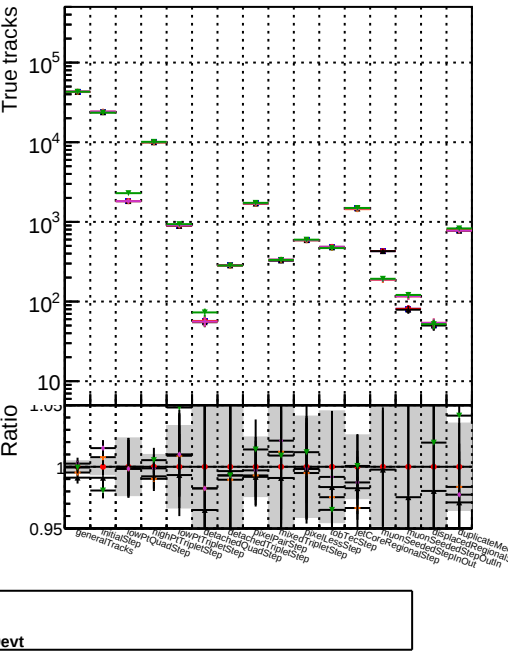


## Number of tracks vs collection



### Number of true tracks vs collection



| Number | Color  | Model | Variable  | Value                        |
|--------|--------|-------|-----------|------------------------------|
| 1      | Orange | DOM   | fit cpeok | 1000evt                      |
| 2      | Purple | DOM   | fit cpeok | SORTRZZ 1000evt              |
| 3      | Green  | DOM   | fit cpeok | SORTRZZ TESTOUTLIER3 1000evt |

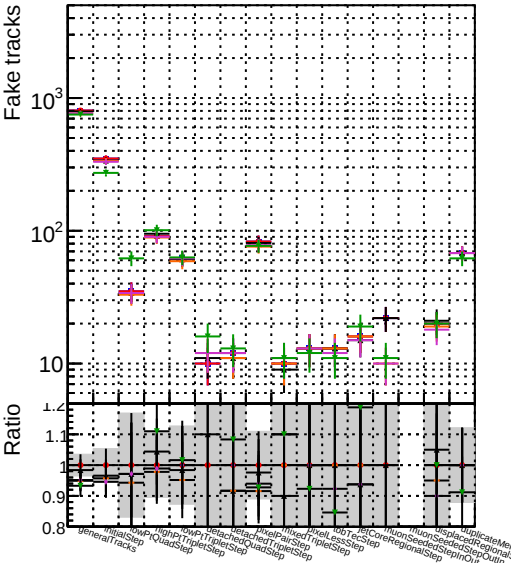


Figure 1: A scatter plot showing the ratio of duplicate tracks for various methods. The y-axis is 'Ratio' on a log scale from 1 to 10<sup>2</sup>. The x-axis lists 20 methods. The methods are grouped into three categories: 'General' (GeneralTracks, GeneralStep), 'Local' (LocalTracks, LocalStep, LocalTriStep, LocalTriStepStep), and 'Global' (GlobalTracks, GlobalStep, GlobalTriStep, GlobalTriStepStep). The 'Global' methods show significantly higher ratios, with GlobalTriStepStep reaching approximately 10<sup>2</sup>. The 'Local' methods show ratios between 1 and 2. The 'General' methods show ratios between 1 and 1.5.

Number of pileup tracks vs collection

