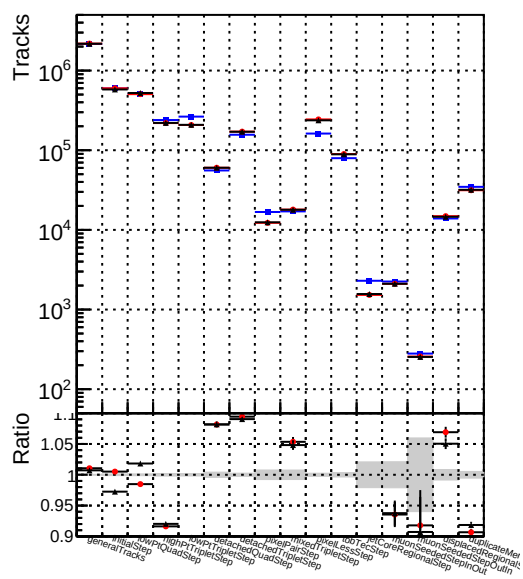
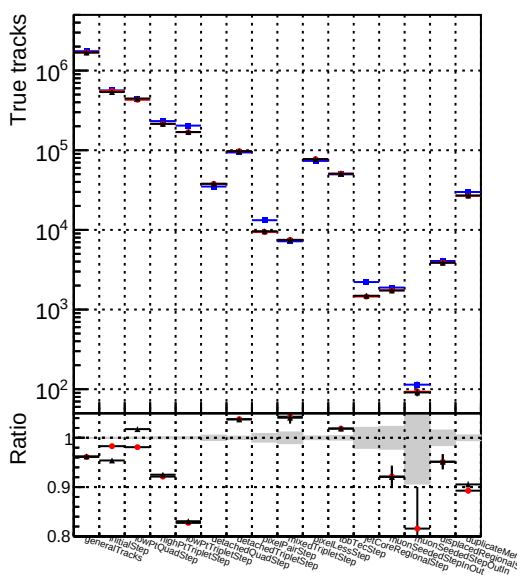


Number of tracks vs collection



Number of true tracks vs collection



Number	Legend	Series Name
1		DQM_firstTest_byPassRet
2		DQM_firstTestFit4_1000ev

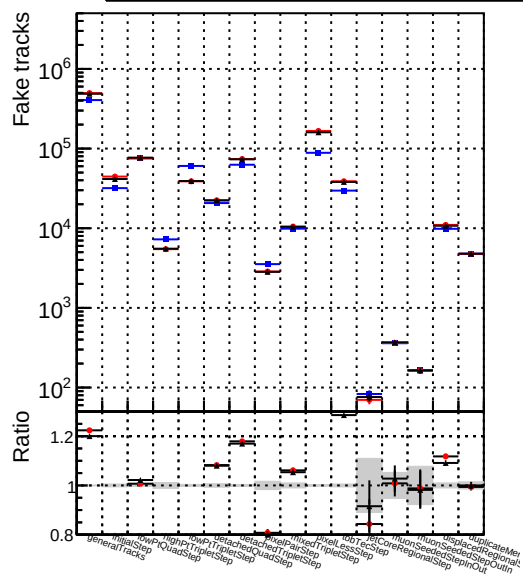


Figure 1 is a log-linear plot showing the ratio of duplicate tracks for various methods. The y-axis is labeled 'Ratio' and ranges from 1 to 10^5 on a logarithmic scale. The x-axis lists 16 methods: GeneralTrack, GeneralStep, RQTrack, RQStep, PinTrack, PinStep, PinOut, RQTrack, RQStep, PinTrack, PinStep, PinOut, RQTrack, RQStep, PinTrack, PinStep, PinOut. A horizontal line at Ratio=1 indicates the baseline. The methods are grouped into three categories: General (GeneralTrack, GeneralStep), RQ (RQTrack, RQStep), and Pin (PinTrack, PinStep, PinOut). Each method has a grey bar representing the ratio and a blue/red dot with error bars representing the standard deviation. The 'GeneralTrack' method has the highest number of duplicate tracks, around $10^{4.5}$. The 'GeneralStep' method has a ratio around 1.5. The 'RQTrack' method has a ratio around 1.5. The 'RQStep' method has a ratio around 1.5. The 'PinTrack' method has a ratio around 1.5. The 'PinStep' method has a ratio around 1.5. The 'PinOut' method has a ratio around 1.5. The 'Duplicate tracks' plot at the top shows the number of duplicate tracks for each method, with a y-axis from 10^1 to 10^5 . The 'GeneralTrack' method has the highest number of duplicate tracks, around $10^{4.5}$.

Number of pileup tracks vs collection

