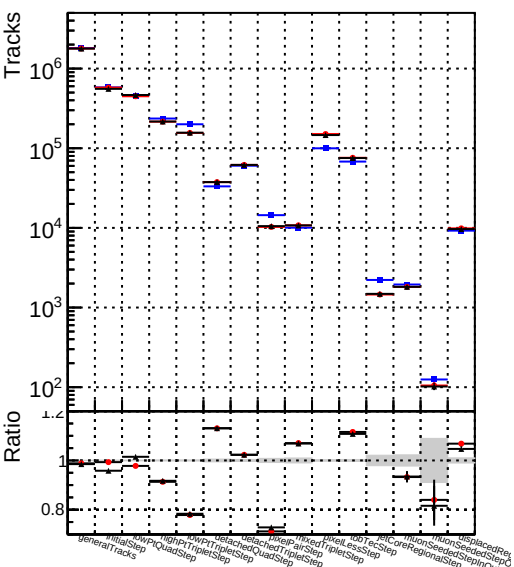
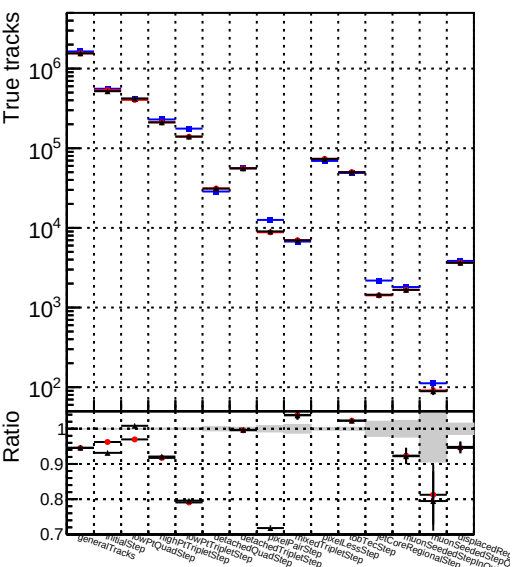


Number of tracks vs collection



Number of true tracks vs collection



Number —●— DQM_firstTest_byPassRef —▲— DQM_firstTestFit4_1000ev

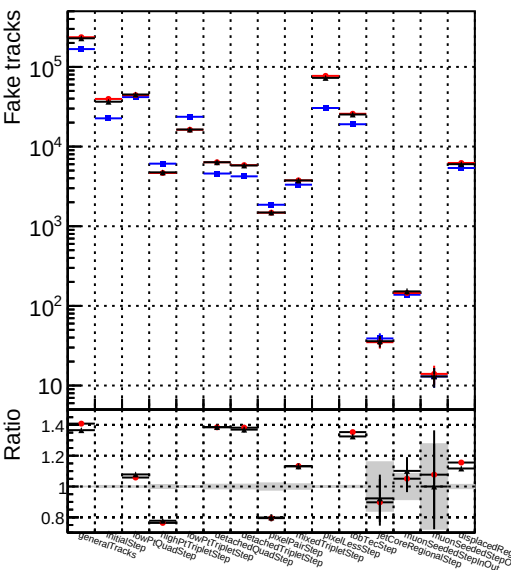


Figure 10 is a log-linear plot showing the ratio of duplicate tracks for various operations. The y-axis is labeled 'Ratio' and ranges from 0.8 to 10^5 on a logarithmic scale. The x-axis lists 18 operations. A horizontal line at Ratio = 1 indicates the baseline. Operations are color-coded: blue for general, red for input, green for output, and brown for internal. Most operations have ratios above 1, indicating more duplicate tracks than the baseline, except for 'generalTracks' which is below 1.

Operation	Ratio (approx.)	Category
generalTracks	0.85	general
inputStep	1.1	input
outputStep	1.1	output
inputOutputStep	1.1	input/output
lightPTinputStep	1.1	input
lightPToutputStep	1.1	output
lightPTinputOutputStep	1.1	input/output
detachedInputStep	1.1	input
detachedOutputStep	1.1	output
detachedInputOutputStep	1.1	input/output
inputPairStep	1.1	input
outputPairStep	1.1	output
inputLessStep	1.1	input
outputLessStep	1.1	output
inputRCOutputRegionalStep	1.1	input/output
inputSeedStep	1.1	input
outputSeedStep	1.1	output
inputOutputSeedStep	1.1	input/output

Number of pileup tracks vs collection

