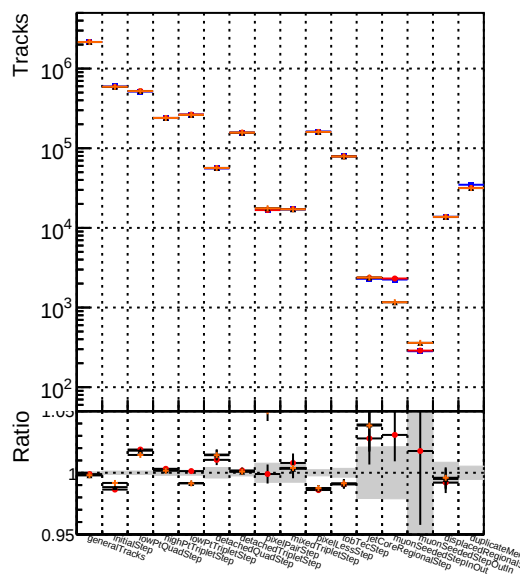
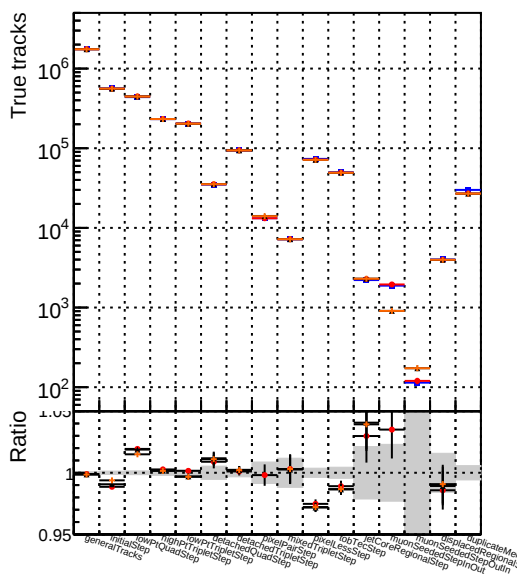


Number of tracks vs collection



Number of true tracks vs collection



Number	 DQM_CRIREFit-test_1000evt DQM_mkFitREFit-test_1000evt  DQM_NANTEST_1000evt
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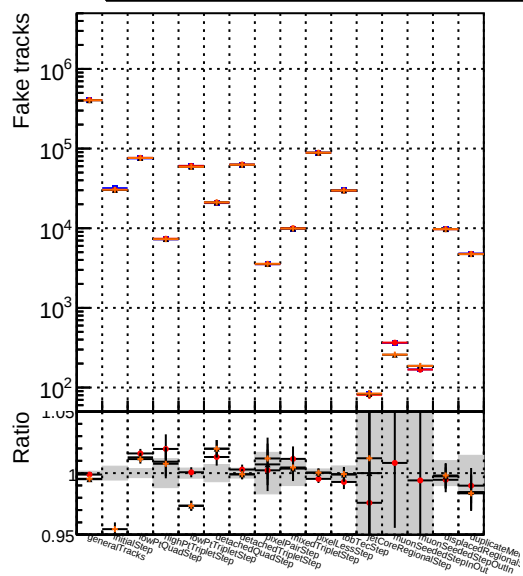


Figure 1 is a log-log plot showing the ratio of duplicate tracks for various methods. The y-axis is labeled 'Ratio' and ranges from 0.95 to 10⁵. The x-axis lists 20 methods, grouped into three categories: General (grey), High (orange), and Low (black). A horizontal line at Ratio=1 indicates the baseline. The 'General' methods are mostly near 1. The 'High' methods show ratios ranging from approximately 10⁻¹ to 10³. The 'Low' methods show ratios ranging from approximately 10⁻¹ to 10¹.

Method	Category	Ratio (approx.)
GeneralTracks	General	1.0
GeneralStep	General	1.0
HighTracks	High	10 ^{2.5}
HighStep	High	10 ^{2.5}
LowTracks	Low	1.0
LowStep	Low	1.0
HighQuandStep	High	10 ^{2.5}
LowQuandStep	Low	1.0
HighTripleStep	High	10 ^{3.0}
LowTripleStep	Low	1.0
HighWaterTripleStep	High	10 ^{2.5}
LowWaterTripleStep	Low	1.0
HighLessStep	High	10 ^{2.5}
LowLessStep	Low	1.0
HighCoreStep	High	10 ^{2.5}
LowCoreStep	Low	1.0
HighRegionalStep	High	10 ^{2.5}
LowRegionalStep	Low	1.0
HighPinOut	High	10 ^{2.5}
LowPinOut	Low	1.0
HighDuplicateStep	High	10 ^{2.5}
LowDuplicateStep	Low	1.0
HighDuplicateStepRegional	High	10 ^{2.5}
LowDuplicateStepRegional	Low	1.0
HighDuplicateStepPinOut	High	10 ^{2.5}
LowDuplicateStepPinOut	Low	1.0
HighDuplicateStepDuplicate	High	10 ^{2.5}
LowDuplicateStepDuplicate	Low	1.0
HighDuplicateStepDuplicateRegional	High	10 ^{2.5}
LowDuplicateStepDuplicateRegional	Low	1.0
HighDuplicateStepDuplicatePinOut	High	10 ^{2.5}
LowDuplicateStepDuplicatePinOut	Low	1.0
HighDuplicateStepDuplicateDuplicate	High	10 ^{2.5}
LowDuplicateStepDuplicateDuplicate	Low	1.0

Number of pileup tracks vs collection

