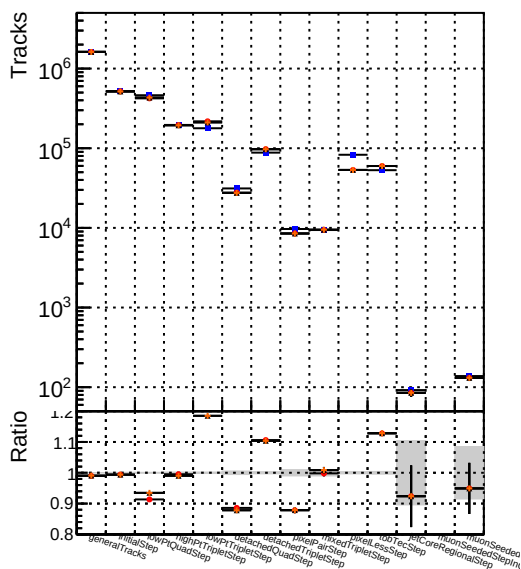
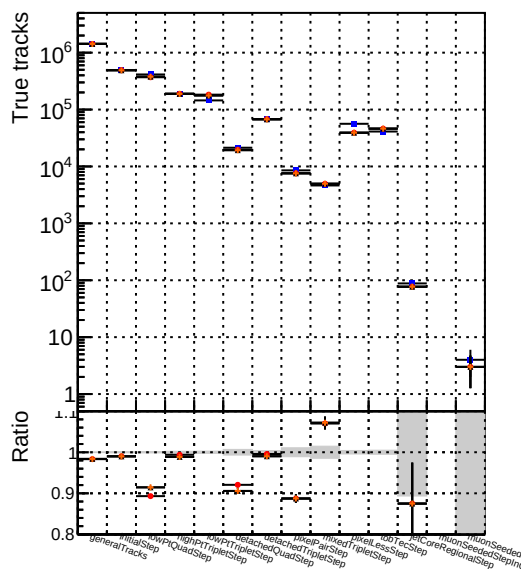


Number of tracks vs collection



Number of true tracks vs collection



Number		DQM_V0001_R0000000001	Global	CMSSW_ckfPU50_RECO
		DQM_V0001_R0000000001	Global	CMSSW_mkFitPU50LowPtQuad_RECO
		DQM_V0001_R0000000001	Global	CMSSW_scm0d05_RECO
		DQM_V0001_R0000000001	Global	CMSSW_scm05+dupd_RECO

Number

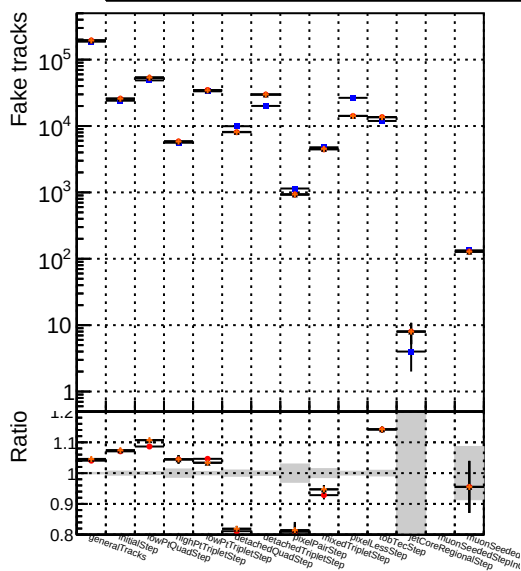


Figure 1 is a log-log plot showing the ratio of duplicate tracks for various combinations of parameters. The y-axis is labeled 'Ratio' and ranges from 0.5 to 10^5 . The x-axis lists 15 parameter combinations. Each combination has a central black dot with error bars and a grey shaded region. The top y-axis is labeled 'Duplicate tracks' on a log scale from 10^4 to 10^5 .

Parameter Combination	Ratio (approx.)	Duplicate Tracks (approx.)
generalTracks	0.7	4×10^4
initialStep	1.5	4×10^4
initialStepQuasiStep	0.5	4×10^4
highPTTripleStep	1.5	4×10^4
highPTTripleStepQuasiStep	1.5	4×10^4
detachedTripleStep	0.6	4×10^4
detachedTripleStepQuasiStep	0.6	4×10^4
highPairStep	0.8	4×10^4
highPairStepTripleStep	0.8	4×10^4
highPairStepTripleStepQuasiStep	0.8	4×10^4
lowSeedStep	0.4	4×10^4
lowSeedStepTripleStep	0.4	4×10^4
lowSeedStepTripleStepQuasiStep	0.4	4×10^4
highSeedStep	1.5	4×10^4
highSeedStepTripleStep	1.5	4×10^4
highSeedStepTripleStepQuasiStep	1.5	4×10^4

Number of pileup tracks vs collection

