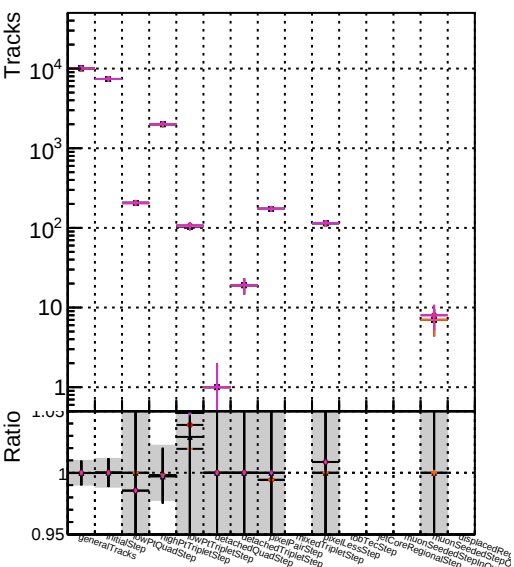
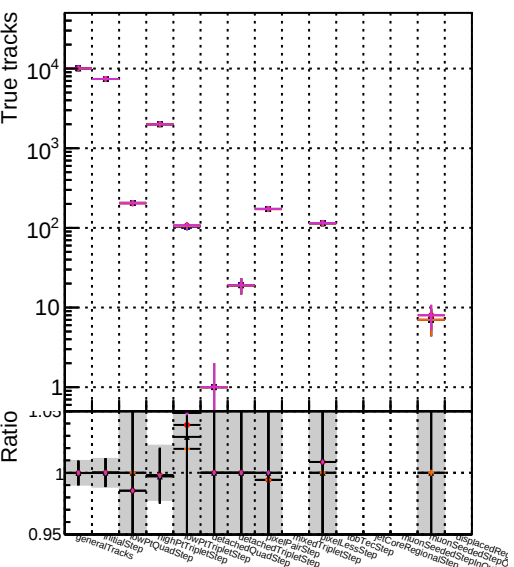


Number of tracks vs collection



Number of true tracks vs collection



Number —●— DQM single step2 pt200 eta2p0to2p5
—▲— DQM fast step2 pt200 eta2p0to2p5
—○— DQM pixelCPEGeneric step2 pt200 eta2p0to2p5

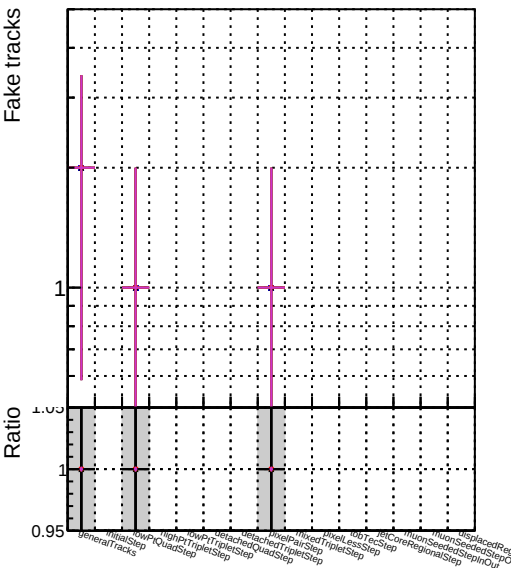


Figure 10 is a combined bar and scatter plot. The y-axis has two scales: 'Ratio' ranging from 0.8 to 1.4, and 'Duplicate tracks' on a logarithmic scale with a major tick at 10. The x-axis lists 15 methods. For each method, a grey bar represents the 'Ratio' and a colored point with error bars represents 'Duplicate tracks'. A horizontal line is drawn at Ratio = 1.2.

Method	Ratio (approx.)	Duplicate tracks (approx.)
GeneralTracks	1.38	15 (pink)
WatusStep	1.35	14 (pink)
GeneticStep	1.32	13 (pink)
GeneticStep	1.30	12 (pink)
GeneticStep	1.28	11 (pink)
GeneticStep	1.25	10 (pink)
GeneticStep	1.22	9 (pink)
GeneticStep	1.20	8 (pink)
GeneticStep	1.18	7 (pink)
GeneticStep	1.15	6 (pink)
GeneticStep	1.12	5 (pink)
GeneticStep	1.10	4 (pink)
GeneticStep	1.08	3 (pink)
GeneticStep	1.05	2 (pink)
GeneticStep	1.02	1 (pink)
GeneticStep	1.00	0.5 (pink)
GeneticStep	0.98	0.2 (pink)
GeneticStep	0.95	0.1 (pink)
GeneticStep	0.92	0.05 (pink)
GeneticStep	0.90	0.02 (pink)
GeneticStep	0.88	0.01 (pink)
GeneticStep	0.85	0.005 (pink)
GeneticStep	0.82	0.002 (pink)
GeneticStep	0.80	0.001 (pink)
GeneticStep	0.78	0.0005 (pink)
GeneticStep	0.75	0.0002 (pink)
GeneticStep	0.72	0.0001 (pink)
GeneticStep	0.70	0.00005 (pink)
GeneticStep	0.68	0.00002 (pink)
GeneticStep	0.65	0.00001 (pink)
GeneticStep	0.62	0.000005 (pink)
GeneticStep	0.60	0.000002 (pink)
GeneticStep	0.58	0.000001 (pink)
GeneticStep	0.55	0.0000005 (pink)
GeneticStep	0.52	0.0000002 (pink)
GeneticStep	0.50	0.0000001 (pink)
GeneticStep	0.48	0.00000005 (pink)
GeneticStep	0.45	0.00000002 (pink)
GeneticStep	0.42	0.00000001 (pink)
GeneticStep	0.40	0.000000005 (pink)
GeneticStep	0.38	0.000000002 (pink)
GeneticStep	0.35	0.000000001 (pink)
GeneticStep	0.32	0.0000000005 (pink)
GeneticStep	0.30	0.0000000002 (pink)
GeneticStep	0.28	0.0000000001 (pink)
GeneticStep	0.25	0.00000000005 (pink)
GeneticStep	0.22	0.00000000002 (pink)
GeneticStep	0.20	0.00000000001 (pink)
GeneticStep	0.18	0.000000000005 (pink)
GeneticStep	0.15	0.000000000002 (pink)
GeneticStep	0.12	0.000000000001 (pink)
GeneticStep	0.10	0.0000000000005 (pink)
GeneticStep	0.08	0.0000000000002 (pink)
GeneticStep	0.05	0.0000000000001 (pink)
GeneticStep	0.02	0.00000000000005 (pink)
GeneticStep	0.01	0.00000000000002 (pink)
GeneticStep	0.005	0.00000000000001 (pink)
GeneticStep	0.002	0.000000000000005 (pink)
GeneticStep	0.001	0.000000000000002 (pink)
GeneticStep	0.0005	0.000000000000001 (pink)
GeneticStep	0.0002	0.0000000000000005 (pink)
GeneticStep	0.0001	0.0000000000000002 (pink)
GeneticStep	0.00005	0.0000000000000001 (pink)
GeneticStep	0.00002	0.00000000000000005 (pink)
GeneticStep	0.00001	0.00000000000000002 (pink)
GeneticStep	0.000005	0.00000000000000001 (pink)
GeneticStep	0.000002	0.000000000000000005 (pink)
GeneticStep	0.000001	0.000000000000000002 (pink)
GeneticStep	0.0000005	0.000000000000000001 (pink)
GeneticStep	0.0000002	0.0000000000000000005 (pink)
GeneticStep	0.0000001	0.0000000000000000002 (pink)
GeneticStep	0.00000005	0.0000000000000000001 (pink)
GeneticStep	0.00000002	0.00000000000000000005 (pink)
GeneticStep	0.00000001	0.00000000000000000002 (pink)
GeneticStep	0.000000005	0.00000000000000000001 (pink)
GeneticStep	0.000000002	0.000000000000000000005 (pink)
GeneticStep	0.000000001	0.000000000000000000002 (pink)
GeneticStep	0.0000000005	0.000000000000000000001 (pink)
GeneticStep	0.0000000002	0.0000000000000000000005 (pink)
GeneticStep	0.0000000001	0.0000000000000000000002 (pink)
GeneticStep	0.00000000005	0.0000000000000000000001 (pink)
GeneticStep	0.00000000002	0.00000000000000000000005 (pink)
Genetic		

Number of pileup tracks vs collection

