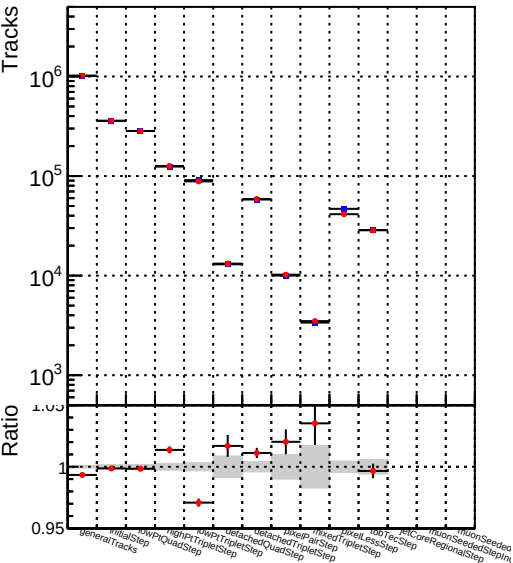
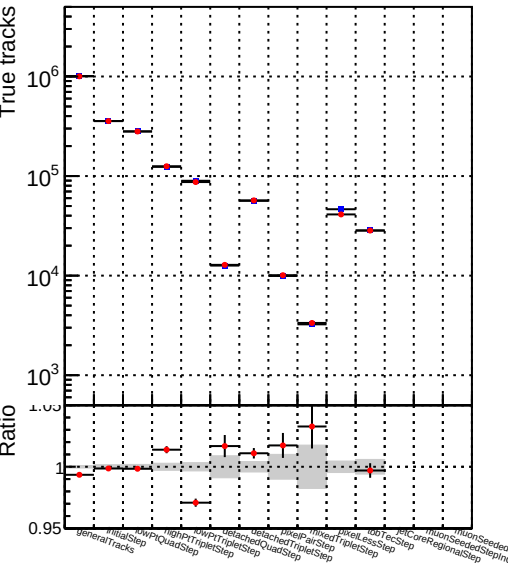


Number of tracks vs collection



Number of true tracks vs collection



 DQM_mkFit_XiminusNOPU_NEWdefault

Number —●— DQM_mkFit_XiminusNOPU_OLD6iters

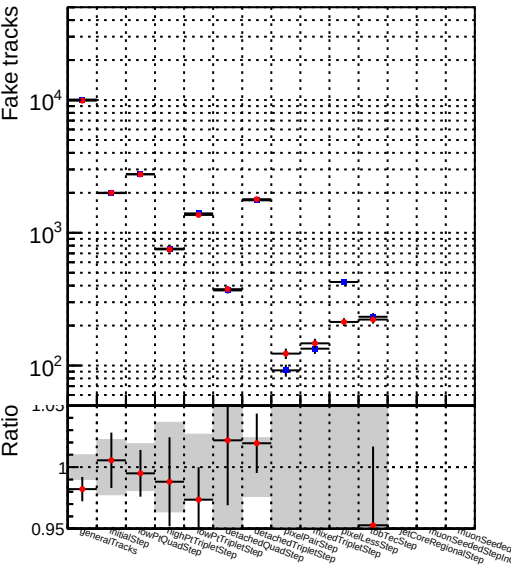


Figure 1 is a log-linear plot showing the ratio of duplicate tracks for various methods. The y-axis is labeled 'Ratio' and ranges from 0.95 to 10,000 on a logarithmic scale. The x-axis lists 16 methods. A horizontal line at Ratio = 1.0 separates the 'Duplicate tracks' (top) from the 'Ratio' (bottom). Data points are red squares with error bars. Methods with high duplicate tracks are 'generatetracks', 'lowPrunedTripletStep', 'highPrunedTripletStep', 'detachedQuadsStep', 'detachedTripletsStep', 'widerTripletStep', 'deepLessStep', 'UBIrectStep', 'coreRegionStep', 'MoonSeedsStep', and 'MoonSeedsStepPink'. Methods with ratios near 1.0 are 'TripletsStep', 'lowPrunedQuadsStep', 'widerQuadsStep', 'deepTripletStep', 'UBIrectStep', 'coreRegionStep', 'MoonSeedsStep', and 'MoonSeedsStepPink'.

Method	Ratio (approx.)
generatetracks	~20,000
TripletsStep	~1.0
lowPrunedTripletStep	~300
lowPrunedQuadsStep	~1.0
highPrunedTripletStep	~80
highPrunedQuadsStep	~1.0
detachedQuadsStep	~800
detachedTripletsStep	~2.0
widerTripletStep	~1.0
widerQuadsStep	~1.0
deepLessStep	~150
deepTripletStep	~1.0
UBIrectStep	~50
coreRegionStep	~1.0
MoonSeedsStep	~1.0
MoonSeedsStepPink	~1.0

Number of pileup tracks vs collection

