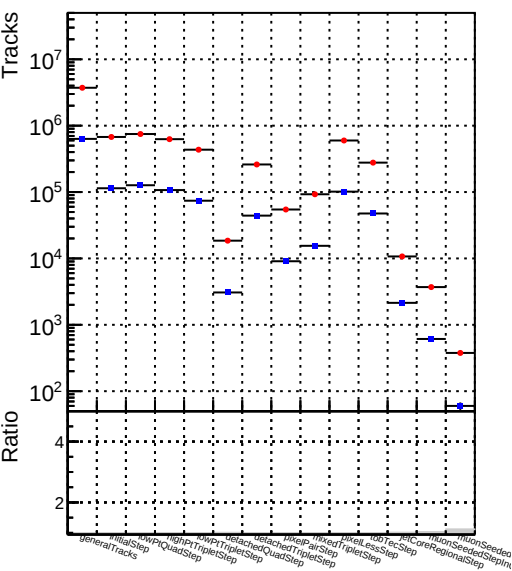
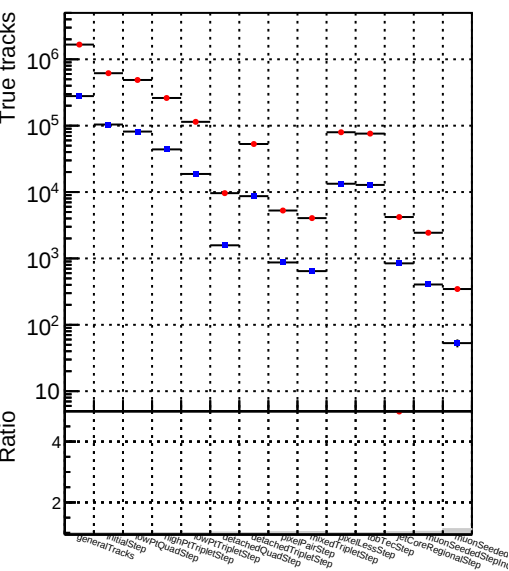


Number of tracks vs collection



Number of true tracks vs collection



Number —●— DQM_mkFit_TTtest125xNEW

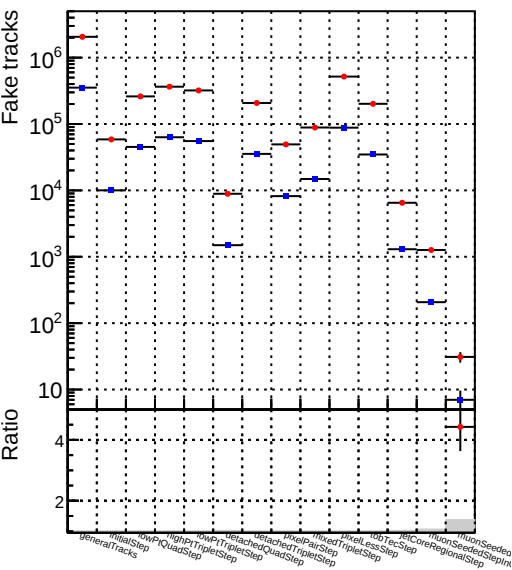


Figure 1 is a log-log plot showing the ratio of duplicate tracks to the number of tracks for various methods. The y-axis is labeled 'Ratio' and ranges from 1 to 10^5 . The x-axis lists 16 methods. A horizontal line at Ratio=1 indicates the baseline. Methods are color-coded: grey (generallTracks, missSeedStep, missCoreStep, missRegionalStep, missSeedStepPin), blue (missStep, highPTmissStep, missPTmissStep, detachedQuadsStep, missParStep, missTripletStep, missLessStep, missCoreStepPin), and red (generallTracks, missStep, highPTmissStep, missPTmissStep, detachedQuadsStep, missParStep, missTripletStep, missLessStep, missCoreStepPin).

Method	Ratio (approx.)	Color
generallTracks	80,000	Red
missStep	10	Blue
highPTmissStep	1,000	Blue
missPTmissStep	100	Blue
detachedQuadsStep	400	Blue
missParStep	10	Blue
missTripletStep	100	Blue
missLessStep	100	Blue
missCoreStep	10	Blue
missCoreStepPin	10	Blue
missSeedStep	3.5	Grey
missCoreStep	3.5	Grey
missRegionalStep	3.5	Grey
missSeedStepPin	3.5	Grey

Number of pileup tracks vs collection

