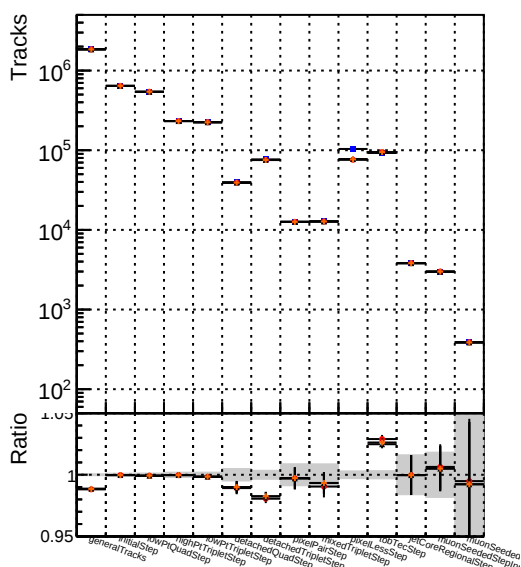
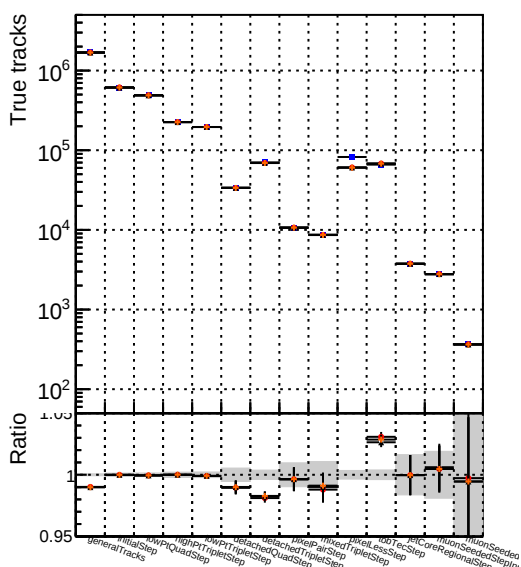


Number of tracks vs collection



Number of true tracks vs collection



Number	 DQM_mkFit_TT_pLW DQM_mkFit_TT_pLW  DQM_mkFit_TT_pLW_1H
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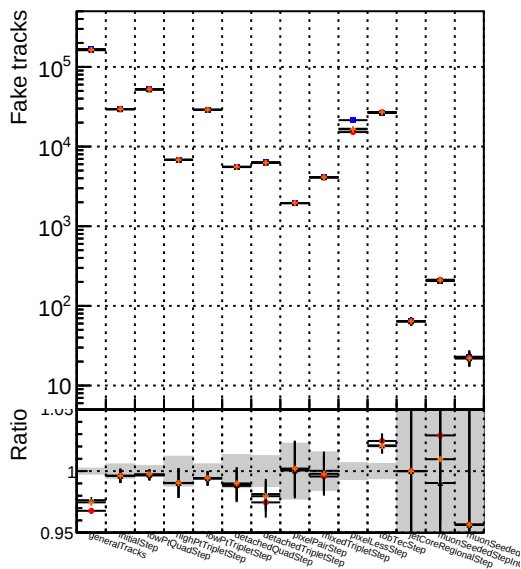


Figure 1 is a log-linear plot showing the ratio of duplicate tracks between different methods. The y-axis is labeled 'Ratio' and ranges from 0.5 to 10^5 on a logarithmic scale. The x-axis lists 15 methods: generalTracks, PairStep, TripletStep, QuadStep, highPTTripletStep, lowPTTripletStep, detachedQuadStep, highPTPairStep, highPTTripletStep, lowPTTripletStep, lowPTPairStep, lowPTTripletStep, lowPTQuadStep, lowPTSeedStep, and lowPTRegionalStep. A horizontal line at Ratio = 1 indicates equal duplicate counts. Data points are shown as colored dots with error bars. Methods are grouped by background shading: light gray (top), medium gray (middle), and dark gray (bottom).

Method	Ratio (approx.)	Background
generalTracks	40,000	Light Gray
PairStep	40,000	Light Gray
TripletStep	40,000	Light Gray
QuadStep	40,000	Light Gray
highPTTripletStep	250	Light Gray
lowPTTripletStep	250	Light Gray
detachedQuadStep	250	Light Gray
highPTPairStep	250	Light Gray
highPTTripletStep	250	Light Gray
lowPTTripletStep	250	Light Gray
lowPTPairStep	250	Light Gray
lowPTTripletStep	250	Light Gray
lowPTQuadStep	250	Light Gray
lowPTSeedStep	250	Light Gray
lowPTRegionalStep	250	Light Gray
generalTracks	0.95	Medium Gray
PairStep	0.95	Medium Gray
TripletStep	0.95	Medium Gray
QuadStep	0.95	Medium Gray
highPTTripletStep	0.95	Medium Gray
lowPTTripletStep	0.95	Medium Gray
detachedQuadStep	0.95	Medium Gray
highPTPairStep	0.95	Medium Gray
highPTTripletStep	0.95	Medium Gray
lowPTTripletStep	0.95	Medium Gray
lowPTPairStep	0.95	Medium Gray
lowPTTripletStep	0.95	Medium Gray
lowPTQuadStep	0.95	Medium Gray
lowPTSeedStep	0.95	Medium Gray
lowPTRegionalStep	0.95	Medium Gray
generalTracks	1.0	Dark Gray
PairStep	1.0	Dark Gray
TripletStep	1.0	Dark Gray
QuadStep	1.0	Dark Gray
highPTTripletStep	1.0	Dark Gray
lowPTTripletStep	1.0	Dark Gray
detachedQuadStep	1.0	Dark Gray
highPTPairStep	1.0	Dark Gray
highPTTripletStep	1.0	Dark Gray
lowPTTripletStep	1.0	Dark Gray
lowPTPairStep	1.0	Dark Gray
lowPTTripletStep	1.0	Dark Gray
lowPTQuadStep	1.0	Dark Gray
lowPTSeedStep	1.0	Dark Gray
lowPTRegionalStep	1.0	Dark Gray

Number of pileup tracks vs collection

