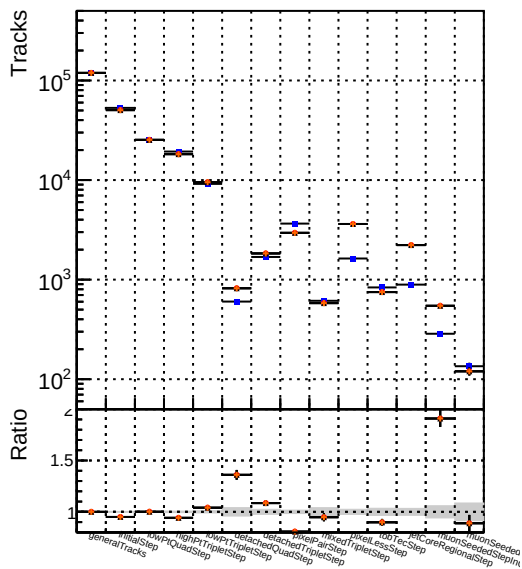
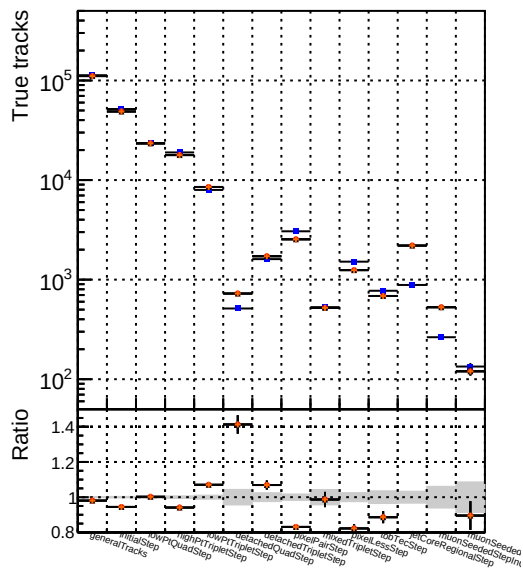


Number of tracks vs collection



Number of true tracks vs collection



Number	
—★—	DQM_mkFit_TTbarPU-updated-newPLDNN
—+—	DQM_mkFit_TTbarPU-updated-newPLDNN-2

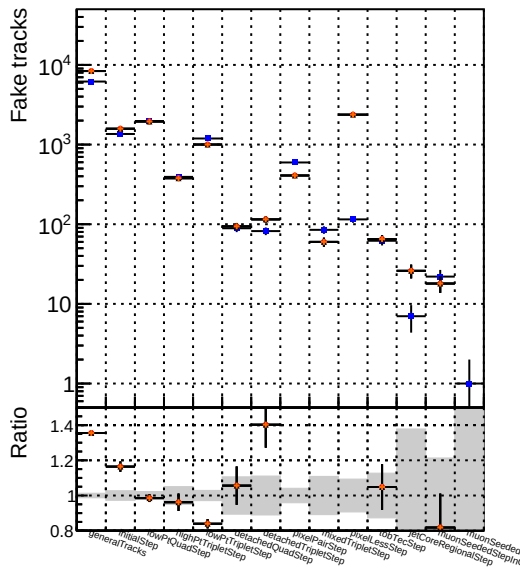


Figure 1 is a log-log plot showing the ratio of duplicate tracks between different methods. The y-axis is labeled 'Ratio' and ranges from 0.6 to 100 on a logarithmic scale. The x-axis lists 15 methods, grouped into three categories: 'Initial' (InitialStep, InitialTrack), 'High' (HighTripletStep, HighTripletTrack, HighQuadStep, HighQuadTrack), and 'Low' (LowTripletStep, LowTripletTrack, LowQuadStep, LowQuadTrack). A horizontal line at Ratio = 1 indicates equal performance. The 'High' methods show significantly higher ratios (around 10-20) compared to the 'Low' methods (around 1). The 'Initial' methods show ratios around 1.5-2. Error bars are shown for each data point.

Method	Ratio (approx.)
InitialStep	1.5
InitialTrack	1.8
HighTripletStep	2.5
HighTripletTrack	12
HighQuadStep	2.5
HighQuadTrack	10
LowTripletStep	1.0
LowTripletTrack	0.8
LowQuadStep	1.0
LowQuadTrack	1.0
MissPairStep	1.0
MissTripletStep	1.0
MissTripletLessStep	1.0
MissCoreStep	1.0
MissRegionalStep	1.0
MissSeededStep	1.0
MissSeededStepIn	1.0

Number of pileup tracks vs collection

