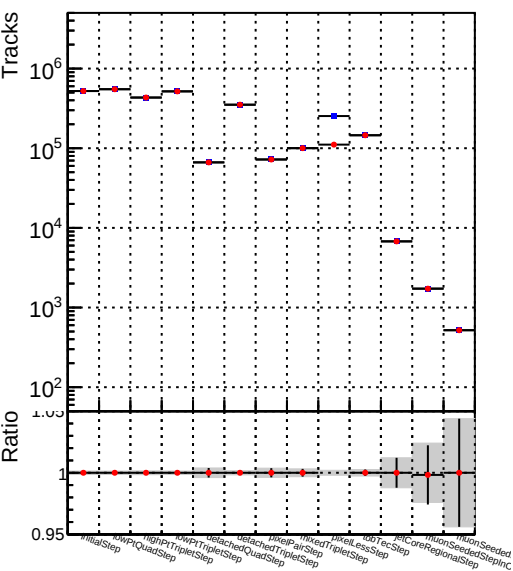
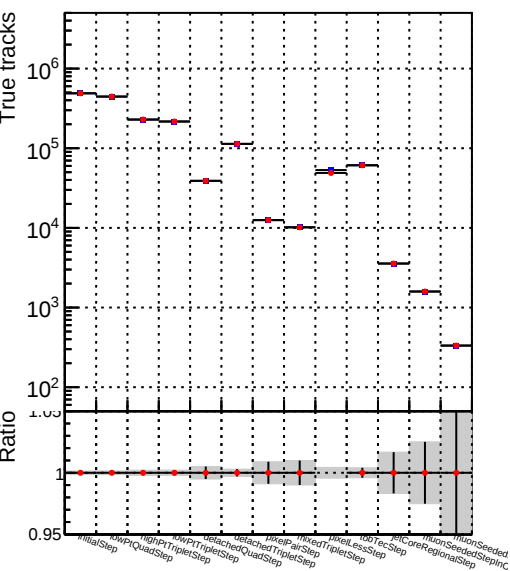


Number of tracks vs collection



Number of true tracks vs collection



Number	
DOM V0001 B0000000001 Global CMSSW X Y Z all	

Number	●	DQM_V0001_R000000001	Global	CMSSW	X	Y	Z	all
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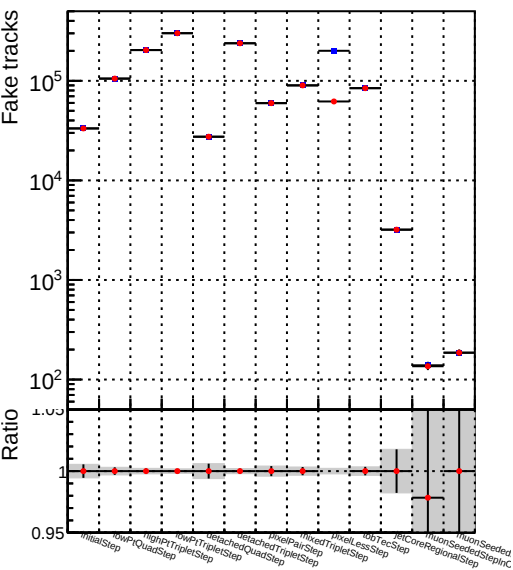


Figure 1 is a log-log plot showing the number of duplicate tracks (Y-axis, logarithmic scale from 10⁰ to 10⁴) and the ratio of duplicate tracks to total tracks (X-axis, linear scale from 0.95 to 1.05) for various steps in the HEP data processing pipeline. The X-axis labels are: HlpaStep, HlpaTrioStep, HlpaTrioStep, HlpaTrioStep, HlpaTrioStep, HlpaTrioStep, HlpaTrioStep, HlpaTrioStep, HlpaTrioStep, HlpaTrioStep, HlpaTrioStep, HlpaTrioStep, HlpaTrioStep, HlpaTrioStep, HlpaTrioStep, HlpaTrioStep. The Y-axis labels are: Duplicate tracks (log scale) and Ratio (linear scale). The plot shows that the number of duplicate tracks increases significantly for later steps, while the ratio remains close to 1.0.

Number of pileup tracks vs collection

