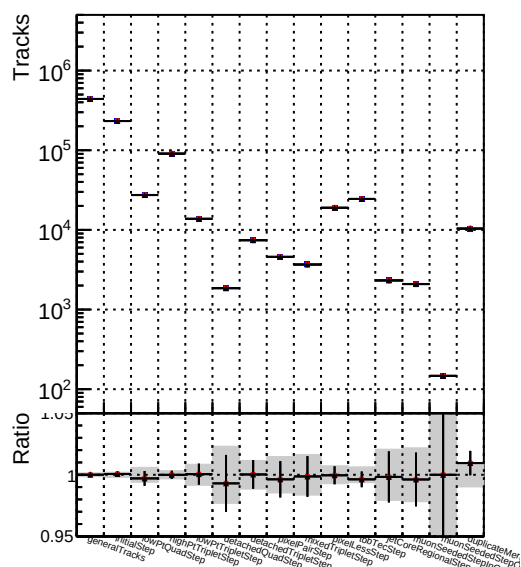
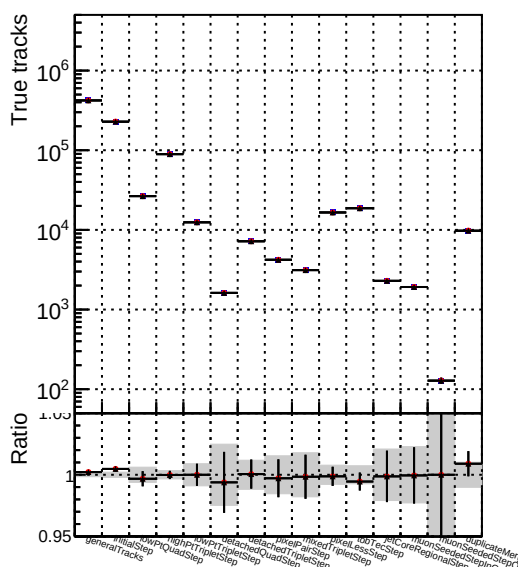


Number of tracks vs collection



Number of true tracks vs collection



Number	Legend
	—●— DQM_TT_initOnlyFWD0_PU
	—★— DQM_TT_initOnlyFWD0_PU

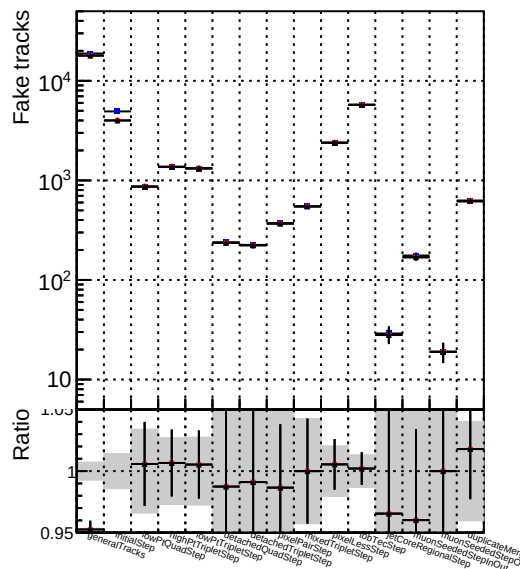


Figure 1 is a log-linear plot showing the ratio of duplicate tracks for various steps in the analysis pipeline. The y-axis is labeled 'Ratio' and ranges from 0.95 to 10^4 on a logarithmic scale. The x-axis lists the steps: generalTracks, initialStep, filterPQ, highP, highPT, plotStep, detached, detachedQuadStep, mixed, mixedStep, wellEsc, wellEscStep, fitCore, fitCoreStep, fitRegion, fitRegionStep, moonSeed, moonSeedStep, duplicateMer, duplicateMerStep, and duplicateOut. A horizontal line at Ratio=1 indicates the baseline. Most steps have a ratio near 1, with some showing slight deviations and error bars.

Step	Ratio (approx.)
generalTracks	~10000
initialStep	~0.98
filterPQ	~2.5
highP	~1.0
highPT	~4.5
plotStep	~1.0
detached	~1.0
detachedQuadStep	~1.0
mixed	~1.0
mixedStep	~1.0
wellEsc	~6.5
wellEscStep	~6.5
fitCore	~1.0
fitCoreStep	~1.0
fitRegion	~1.0
fitRegionStep	~1.0
moonSeed	~1.0
moonSeedStep	~1.0
duplicateMer	~1.0
duplicateMerStep	~1.0
duplicateOut	~1.0

Number of pileup tracks vs collection

