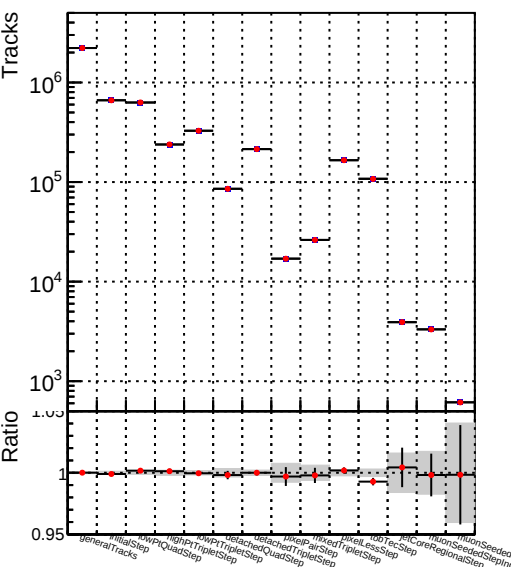
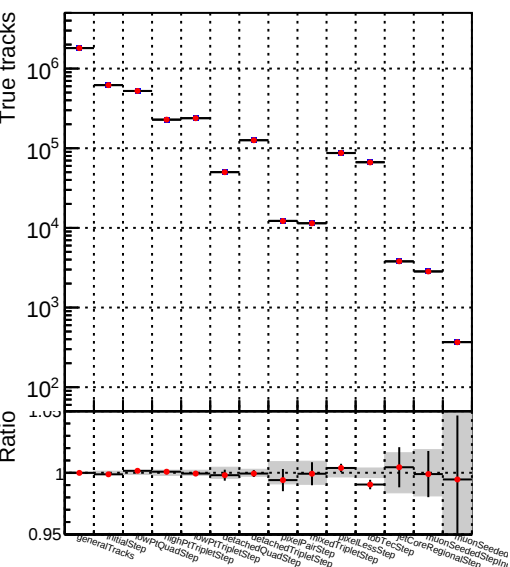


Number of tracks vs collection



Number of true tracks vs collection



Number —●— DQM_mkFit_TTNEWHS_ALLITERS

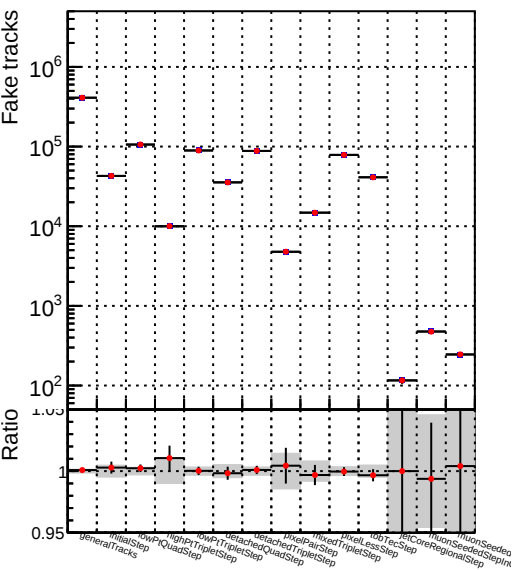


Figure 1 is a log-log plot showing the number of duplicate tracks (left y-axis, ranging from 10^0 to 10^5) and the ratio of duplicate tracks to total tracks (right y-axis, ranging from 0.95 to 1.0) for various steps in the data processing pipeline. The x-axis lists the steps: generalTracks, InitialStep, TopKStep, HighPStep, LowPStep, DetachedQuadsStep, DetachedTripletsStep, TripletsStep, LowLessStep, HighLessStep, CoreRegionStep, and MissedSeedsStep. The data points are represented by black dots with horizontal error bars. A horizontal line at Ratio = 1.0 is shown for reference.

Step	Duplicate Tracks (approx.)	Ratio (approx.)
generalTracks	~100,000	~1.05
InitialStep	~50	~1.00
TopKStep	~300	~0.98
HighPStep	~15	~1.00
LowPStep	~150	~1.02
DetachedQuadsStep	~1,000	~1.00
DetachedTripletsStep	~1,000	~1.00
TripletsStep	~4	~1.00
LowLessStep	~100	~1.05
HighLessStep	~100	~1.00
CoreRegionStep	~250	~1.00
MissedSeedsStep	~1	~1.00

Number of pileup tracks vs collection

