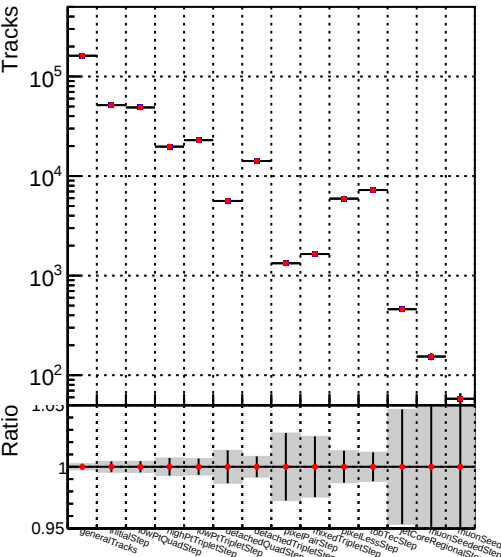
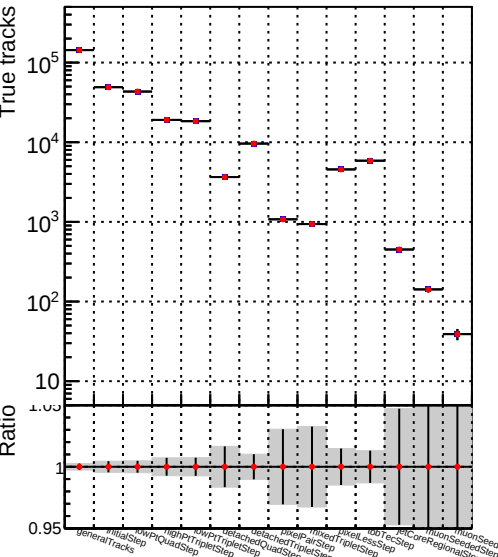


Number of tracks vs collection



Number of true tracks vs collection



Number —●— DOM V0001 R0000000001 Global mkFit batch1

Number —●— DOM V0001 R0000000001 Global mkFit batch1

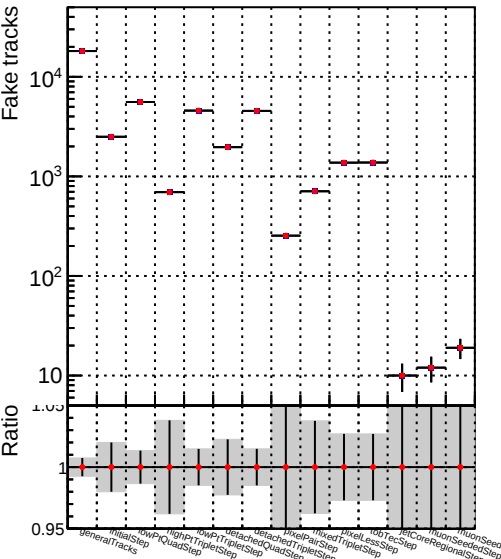


Figure 10 is a log-linear plot showing the number of duplicate tracks (top y-axis, logarithmic scale from 0.95 to 10,000) and the ratio of duplicate tracks to total tracks (bottom y-axis, logarithmic scale from 0.95 to 1.0) for various methods. The x-axis lists the methods: generalTracks, initialStep, lowPQuadStep, highPQuadStep, lowPTrisetStep, detachQuadStep, detachTrisetStep, pixelPairStep, linkedPixelStep, linkedTrisetStep, noTiesStep, noTiesQuadStep, noTiesTrisetStep, noTiesCoreStep, and noTiesRegionStep. The plot shows that the number of duplicate tracks is generally low (below 10) for most methods, except for 'generalTracks' which has a high number of duplicates (around 10,000). The ratio of duplicate tracks to total tracks is generally close to 1.0, indicating that the methods are effective in reducing duplicates.

Number of pileup tracks vs collection

