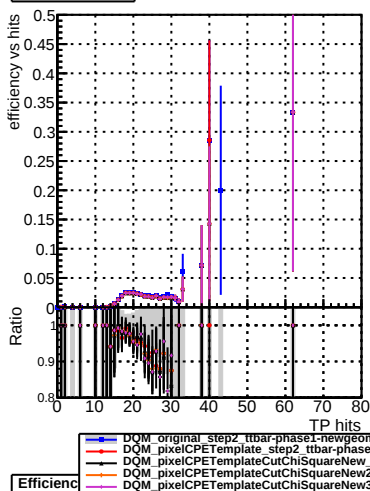
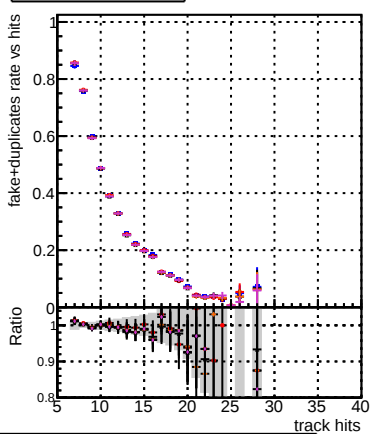


Efficiency vs hit



fake+duplicates vs hits



Efficiency

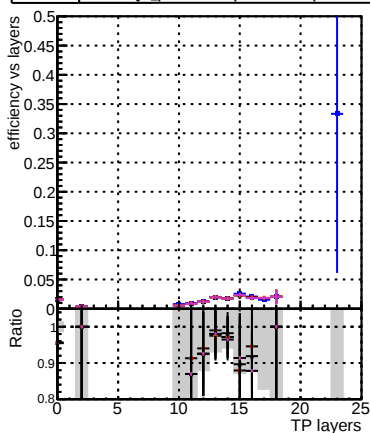
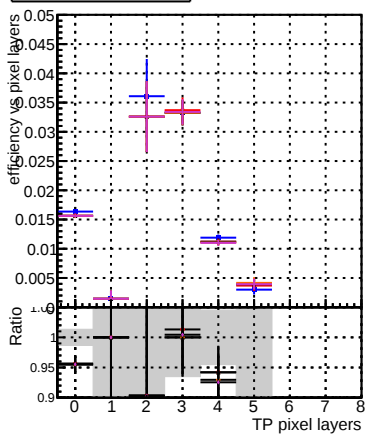
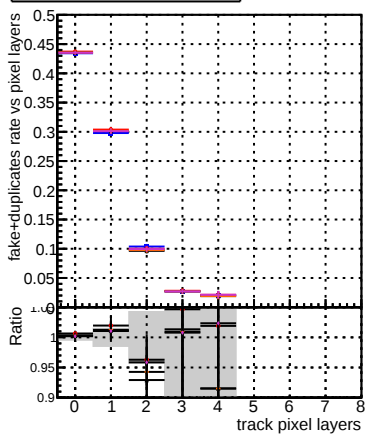


Figure 1 consists of two vertically stacked plots sharing a common x-axis labeled 'track layers' ranging from 0 to 25. The top plot's y-axis is 'fake+duplicates rate vs layers' from 0 to 1. It shows three data series: aMC (blue), GEANT4 (red), and GEANT4+Fastjet (magenta). All series show a decreasing trend in the rate as the number of track layers increases. The bottom plot's y-axis is 'Ratio' from 0.95 to 1.10. It shows the ratio of GEANT4+Fastjet to GEANT4 for the same three methods. The ratios are generally close to 1.0, with shaded gray regions indicating uncertainty bands.

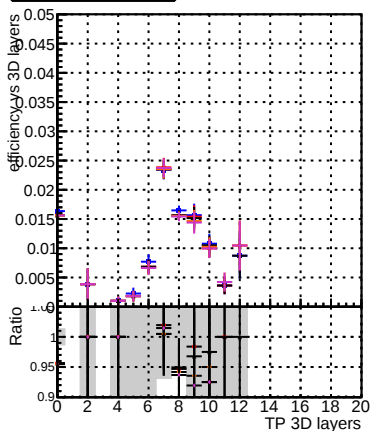
Efficiency vs pixel layer



fake+duplicates vs pixel layers



Efficiency vs 3D layer



fake+duplicates vs 3D layers

