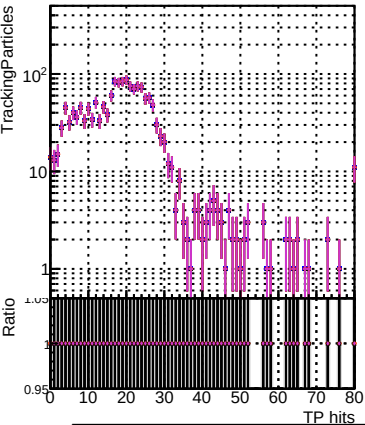


Figure 1 consists of two vertically stacked plots sharing a common x-axis labeled "TP hits" ranging from 0 to 80. The top plot, titled "N of simulated tracks vs hit", shows "TrackingParticles" on a logarithmic y-axis from 1 to 100. It features a series of magenta dots connected by lines, showing a peak around 20 hits and a general downward trend. The bottom plot shows the "Ratio" on a logarithmic y-axis from 0.95 to 1.05. It displays a series of vertical black bars representing the ratio for each hit, with a horizontal magenta line at the ratio of 1.0.

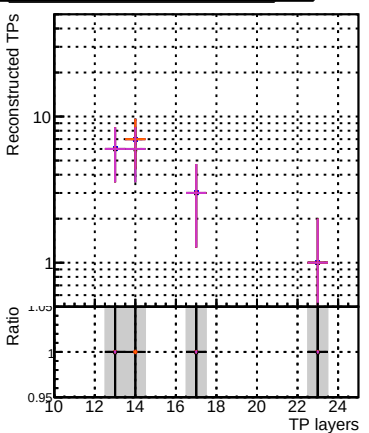
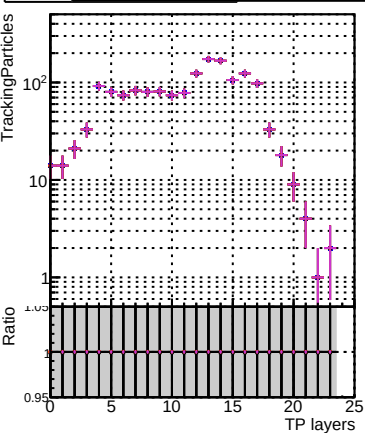
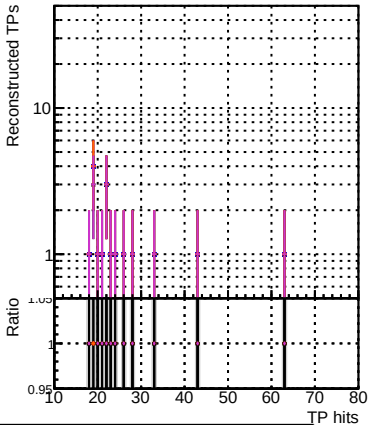


N of associated tracks (simToReco) vs hit

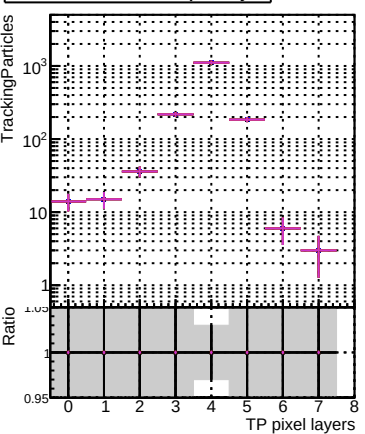
Reconstructed TP

Ratio

TP hits



TP pixel layers	Ratio
0	15
1	15
2	40
3	250
4	1000
5	200
6	7
7	4



TP pixel layers	Ratio (approx.)	Error (approx.)
2	1.00	±0.05
3	1.02	±0.08
4	1.05	±0.03
5	1.00	±0.05

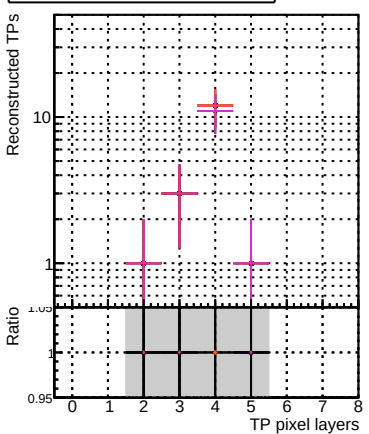


Figure 1 consists of two vertically stacked plots sharing a common x-axis labeled 'TP 3D layers' ranging from 0 to 20.

The top plot shows 'Tracking Particles' on a logarithmic y-axis (1 to 1000). Data points are represented by magenta crosses with vertical error bars. The number of tracking particles starts around 15 at layer 0, increases to about 20 at layer 1, then rises more significantly to approximately 100 at layer 4, and continues to fluctuate between 100 and 400 for higher layers.

The bottom plot shows 'Ratio' on a linear y-axis (0.95 to 1.05). Data points are represented by magenta crosses with vertical error bars. The ratio remains very close to 1.0 across all TP 3D layers, with a slight downward trend and increasing error bars as the number of layers increases.

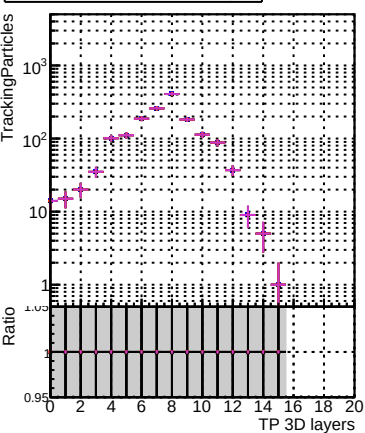


Figure 10 is a plot showing the ratio of reconstructed TP counts to the ground truth TP counts versus the number of TP 3D layers. The x-axis is labeled 'TP 3D layers' and ranges from 6 to 20. The y-axis is labeled 'Ratio' and ranges from 0.95 to 1.05. The plot shows a horizontal line at Ratio = 1.0. Data points with error bars are shown for layers 6, 7, 8, 9, and 12. The ratio is generally close to 1.0, with some variability at lower layer counts.

