

Figure 1 consists of two vertically stacked panels sharing a common x-axis labeled 'TP hits' ranging from 0 to 80. The top panel's y-axis is 'TrackingParticles' on a logarithmic scale from 10^2 to 10^5 . It shows a data series of red squares with a black line fit, starting at 10^4 , peaking at 10^5 around 20 hits, and then decaying to 10^3 at 80 hits. The bottom panel's y-axis is 'Ratio' on a linear scale from 0.95 to 1.05. It shows a data series of red squares with a black line fit, which is constant at 1.0 until about 30 hits, then exhibits a wide spread of values between 0.95 and 1.05, with a mean value slightly above 1.0.

The figure is a scatter plot with 'TP hits' on the x-axis (ranging from 0 to 80) and 'Ratio' on the y-axis (ranging from 0 to 10^{-1}). A horizontal line is drawn at Ratio = 1. The data points are represented by small black dots. Most points are clustered between 0 and 20 TP hits, with a ratio between 10^{-3} and 10^{-1} . As the number of TP hits increases, the ratio generally decreases, with many points falling below the Ratio = 1 line for hits greater than 20.

The figure consists of two vertically stacked plots sharing a common x-axis labeled 'TP layers' ranging from 0 to 25.

The top plot shows 'TrackingParticles' on a logarithmic y-axis from 10^0 to 10^6 . The data points, represented by purple diamonds with error bars, show a sharp initial drop from 10^6 at layer 0 to around 10^3 at layer 1. The count then remains relatively stable between 10^3 and 10^4 until layer 17, after which it decreases significantly to approximately 10^1 by layer 25.

The bottom plot shows the 'Ratio' on a logarithmic y-axis from 0.95 to 1.05. The data is represented by grey vertical bars with a central red line at 1.0. The ratio fluctuates around 1.0 for most layers, with a notable dip to approximately 0.95 at layer 22.

Figure 1 is a log-linear plot showing the ratio of TrackingParticles to Ratio versus TP pixel layers. The y-axis is logarithmic, ranging from 0.95 to 10^6 . The x-axis is linear, ranging from 0 to 8. Data points are shown as black circles with horizontal error bars. A horizontal line is drawn at Ratio = 1. A shaded gray region represents the uncertainty band around the Ratio = 1 line.

TP pixel layers	TrackingParticles	Ratio
0	1.5×10^6	1.0
1	1.5×10^3	1.0
2	2.5×10^3	1.0
3	1.2×10^4	1.0
4	6.5×10^4	1.0
5	1.2×10^4	1.0
6	6.0×10^2	1.0
7	-	1.0

The figure consists of two vertically stacked panels sharing a common x-axis labeled 'TP 3D layers' ranging from 0 to 20.

The top panel plots 'TrackingParticles' on a logarithmic y-axis from 10^0 to 10^6 . The data points, represented by black circles with vertical error bars, show a relatively flat trend around 10^4 particles for layers 4 through 10, followed by a sharp decline to approximately 10^1 particles by layer 16.

The bottom panel plots 'Ratio' on a logarithmic y-axis from 0.95 to 1.05. The data points, represented by black circles with vertical error bars, remain very close to the ratio of 1.0 across all TP 3D layers, indicating a consistent proportion of tracked particles relative to the total.