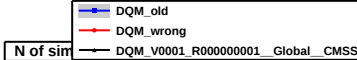


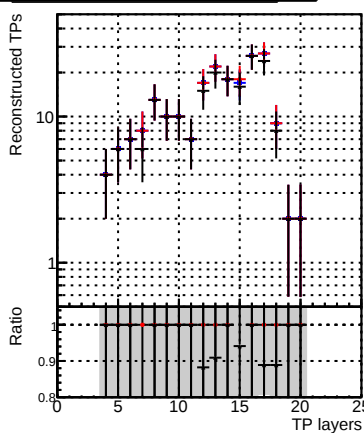
The figure consists of two vertically stacked panels sharing a common x-axis labeled 'TP hits' ranging from 0 to 80.

The top panel is titled 'N of simulated tracks vs hit'. The y-axis is labeled 'TrackingParticles' on a logarithmic scale from 1 to 100. It displays data points (black dots) with vertical error bars (black lines). The data shows a peak around TP hit 20, reaching approximately 60 TrackingParticles, and then a sharp drop after TP hit 30.

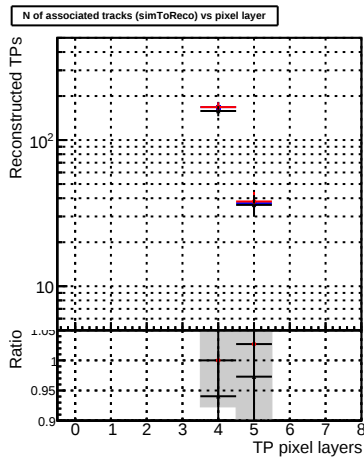
The bottom panel shows the 'Ratio' on a logarithmic scale from 0.95 to 1.05. A horizontal red line is drawn at Ratio = 1.0. Data points (black dots) with vertical error bars (black lines) are plotted, showing the ratio fluctuating around 1.0 across the range of TP hits.



The figure consists of two panels. The top panel is a log-linear plot showing the number of Tracking Particles (Y-axis, logarithmic scale from 10 to 100) versus TP layers (X-axis, linear scale from 0 to 25). The data points, represented by black crosses with error bars, show a relatively stable number of tracking particles around 60-80 for layers 5 to 15, with a slight decrease and increased uncertainty for layers 18 to 20. The bottom panel is a bar chart showing the Ratio (Y-axis, linear scale from 0.95 to 1.05) versus TP layers (X-axis, linear scale from 0 to 25). The ratio is consistently close to 1.0 for all layers, with a slight dip around layer 20.



TP pixel layers	Tracking Particles (Ratio)
0	~20
1	~20
2	~25
3	~100
4	~700
5	~150
6	~5



TP 3D layers	Ratio
0	25
1	20
2	25
3	25
4	100
5	95
6	150
7	180
8	200
9	120
10	85
11	60
12	35
13	9

