

Figure 10 consists of two panels. The top panel is a log-linear plot showing the ratio of TrackingParticles to TP pixel layers. The y-axis is labeled 'TrackingParticles' and ranges from  $10^0$  to  $10^5$  on a logarithmic scale. The x-axis is labeled 'TP pixel layers' and ranges from 0 to 8. Data points with error bars are plotted for layers 0, 1, 2, 3, 4, 5, 6, and 7. The bottom panel is a histogram showing the distribution of the ratio for each layer. The y-axis is labeled 'Ratio' and ranges from 0.95 to 1.05. The x-axis is labeled 'TP pixel layers' and ranges from 0 to 8. A horizontal line is drawn at a ratio of 1.0.

Figure 10 is a plot showing the ratio of reconstructed TPs to the number of TP pixel layers. The x-axis is labeled 'TP pixel layers' and ranges from 0 to 8. The y-axis is labeled 'Ratio' and ranges from 0.95 to 10. A secondary y-axis on the left is labeled 'Reconstructed TPs' and ranges from  $10^2$  to  $10^3$ . Data points with error bars are plotted for layers 0 to 4. A shaded gray region is present for layers 0 to 3, and a horizontal line is drawn at Ratio = 1.0.

| TP pixel layers | Ratio (approx.) | Reconstructed TPs (approx.) |
|-----------------|-----------------|-----------------------------|
| 0               | 1.0             | 100                         |
| 1               | ~8.5            | ~400                        |
| 2               | ~5.5            | ~600                        |
| 3               | ~1.5            | ~400                        |
| 4               | ~1.1            | ~1200                       |

Figure 1 is a log-linear plot showing the relationship between the number of TP 3D layers (x-axis, ranging from 0 to 20) and the ratio of reconstructed TPs to ground truth TPs (y-axis, ranging from 0.95 to 1.05). The plot includes a horizontal line at Ratio = 1.0. Data points with error bars are plotted for layers 1 through 13. The ratio is generally close to 1.0, with some fluctuations. A shaded gray region highlights the area where the ratio is between 0.95 and 1.0.