

The figure consists of two panels. The top panel shows the groomed width distribution, $\frac{1}{\#} \frac{dN}{dp_T d\lambda}$, on a logarithmic scale from 10^{-2} to 10^2 . The x-axis is the groomed width from 0 to 1. The y-axis is labeled with the expression $\frac{1}{\#} \frac{dN}{dp_T d\lambda}$. The plot compares CMS data (black squares) with several Pythia models: Pythia 6.428 345 (red dashed line with open circles), Pythia 6.428 346 (yellow dotted line with open squares), Pythia 6.428 370 (red solid line with open triangles), Pythia 6.428 default (orange dash-dotted line with open squares), and Pythia 8.243 default (blue solid line with solid triangles). The bottom panel shows the ratio of the groomed width distribution to the CMS distribution, Ratio to CMS , on a linear scale from 0.5 to 2. The x-axis is the groomed width from 0 to 1. The y-axis is labeled 'Ratio to CMS'. The plot compares the same Pythia models to the CMS data. The ratio is generally close to 1, with some variations. Shaded regions (yellow and green) indicate the uncertainty bands for the ratio. The text '(CMS_2021_I1920187)' is present in the bottom panel.