

The figure consists of two panels. The top panel shows the groomed width distribution, with the y-axis labeled $\frac{1}{\text{dN}} \frac{\text{dN}}{\text{d}p_T} \frac{\text{dN}}{\text{d}\lambda}$ on a logarithmic scale from 10^{-2} to 10^2 . The x-axis is labeled 'groomed width' and ranges from 0 to 1. The plot displays data from CMS (black squares) and 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 8.244 default (blue solid line with solid triangles). The bottom panel shows the ratio of the groomed width distribution to the CMS distribution, with the y-axis labeled 'Ratio to CMS' on a linear scale from 0.5 to 2. The x-axis is the same 'groomed width' from 0 to 1. The plot displays the same data series as the top panel, with shaded regions indicating the uncertainty bands for the Pythia models. The legend in the top panel identifies the data series: CMS (black square), Pythia 6.428 345 (red dashed line with open circle), Pythia 6.428 346 (yellow dotted line with open square), Pythia 6.428 370 (red solid line with open triangle), Pythia 6.428 default (orange dash-dotted line with open square), and Pythia 8.244 default (blue solid line with solid triangle). The text '(CMS_2021_I1920187)' is present in the bottom panel.