

The figure consists of two panels sharing a common x-axis labeled "groomed thrust (charged-only)" ranging from 0 to 1.

The top panel shows the differential event rate $\frac{1}{\#} \frac{dN}{dp_T} \frac{d\lambda}{d\lambda}$ on a logarithmic y-axis from 10^{-1} to 10^2 . The data points (black squares) represent CMS measurements. Theoretical predictions are shown for Pythia 8.315 default (blue solid line with triangles), Pythia 8.315 tune-AU2 (red dashed line with inverted triangles), Pythia 8.315 tune-AU2lox (red dotted line with diamonds), Pythia 8.315 tune-AU2lox (orange dash-dotted line with squares), and Pythia 8.315 tune-AU2m (brown solid line with stars). A grey text label "(CMS_2021_I1920187)" is present in the top panel.

The bottom panel shows the "Ratio to CMS" on a linear y-axis from 0.5 to 2.0. The same theoretical models are plotted, with shaded regions (yellow and green) indicating the uncertainty bands. The ratio generally stays between 0.8 and 1.2 across the groomed thrust range.

Text at the top of the figure: "CMS, 13 TeV, AK8 jets, forward dijet region, $50 < p_T^{\text{dijet}} < 65$ GeV".

Text on the right side of the figure: "Rivet 4.1.0, $\geq 100k$ events" and "mcplots.cern.ch [arXiv:1306.3436]".

mcplots.cern.ch [arXiv:1306.3436]

2

1

0.5