

Z+Jet

The figure consists of two panels sharing a common x-axis labeled 'thrust' ranging from 0 to 1.

Top Panel: The y-axis is labeled $\frac{dN}{d\ln \lambda_2^1}$ and ranges from 0 to 1000. It shows the thrust distribution for CMS data (black squares) and several Pythia 6.428 models: 345 (red dashed line with circles), 346 (yellow dotted line with squares), 370 (red solid line with triangles), ambt1 (orange solid line with triangles), z1 (red dotted line with circles), and z2 (green solid line with circles). The distributions for the Pythia models show a sharp peak around $\lambda_2^1 \approx 0.1$, while the CMS data is relatively flat. A grey text label 'CMS_2021_I1920187' is present in the top panel.

Bottom Panel: The y-axis is labeled 'Ratio to CMS' and ranges from 0.5 to 2. It shows the ratio of the Pythia models to the CMS data. A horizontal line at 1.0 represents the ratio of the models to the CMS data. A green shaded band indicates the 1-sigma uncertainty, and a yellow shaded band indicates the 2-sigma uncertainty. The ratios are generally close to 1.0, with some variation at low thrust values.

Rivet 3.1.10, $\geq 2.6\text{M}$ events

CMS_2021_I1920187