

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

Top Panel: The y-axis is the differential event rate $\frac{1}{N} \frac{dN}{d\lambda} \frac{d\lambda}{dp_T}$ on a logarithmic scale from 10^{-2} to 10^3 . It shows the groomed thrust distribution for CMS data (black squares) and four Pythia 6.428 models (391, 393, 394, 395) with various markers and line styles. The distribution decreases as groomed thrust increases. A text label at the top right specifies the selection: "CMS, 13 TeV, AK4 jets, forward dijet region, $481 < p_T^{\text{dijet}} < 614$ GeV".

Bottom Panel: The y-axis is the "Ratio to CMS" on a linear scale from 0.5 to 2. It shows the ratio of the Pythia models to the CMS data. A horizontal green band is centered at 1.0, indicating the ratio. The ratios for the Pythia models are generally close to 1.0, with some variation at higher groomed thrust values.

Text labels on the right side of the plot include "Rivet 4.1.0, ≥ 100 k events" and "mcplots.cern.ch [arXiv:1306.3436]". A reference label "(CMS_2021_I1920187)" is also present.

(CMS_2021_I1920187)

mcplots.cern.ch [arXiv:1306.3436]

0.5