

The figure consists of two panels. The top panel shows the dijet invariant mass distribution, $\frac{1}{N} \frac{dN}{d\lambda} \frac{d\lambda}{dp_T}$, on a logarithmic scale from 10^{-2} to 10^2 . The x-axis is the dijet invariant mass p_T^{dijet} in GeV, ranging from 150 to 186. The bottom panel shows the ratio of the distribution to the CMS data, Ratio to CMS , on a linear scale from 0.5 to 2.5. The x-axis is the width of the distribution, ranging from 0 to 1. The legend identifies the following models: CMS (black squares), Pythia 6.428 359 (cyan dashed line with squares), Pythia 6.428 370 (red solid line with triangles), Pythia 6.428 a (green solid line with triangles), Pythia 6.428 dw (green dashed line with inverted triangles), Pythia 6.428 p0 (black solid line with circles), and Pythia 6.428 pro-q20 (green dotted line with stars). The top panel also includes a text label: 'CMS, 13 TeV, AK4 jets, central dijet region, $150 < p_T^{\text{dijet}} < 186$ GeV'. The bottom panel includes a text label: '(CMS_2021_I1920187)'. The right side of the plot has a vertical label: 'mcplots.cern.ch [arXiv:1306.3436] Rivet 4.1.0, $\geq 100k$ events'.

(CMS_2021_I1920187)

mcplots.cern.ch [arXiv:1306.3436]

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