

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

The top panel shows the differential event rate $\frac{1}{N} \frac{dN}{dp_T} \frac{d\lambda}{d\lambda}$ on a logarithmic y-axis from 10^{-3} to 10^2 . The plot is for CMS, 13 TeV, AK4 jets, central dijet region, $614 < p_T^{\text{dijet}} < 800$ GeV. Data points are shown for CMS (black squares) and three Pythia 6.428 models: 370 (red triangles), 391 (grey squares), and default (orange squares). Theoretical curves are shown as dashed lines. A label "(CMS_2021_I1920187)" is present in the bottom right of the top panel.

The bottom panel shows the "Ratio to CMS" on a linear y-axis from 0.5 to 2.0. It displays the ratio of the theoretical curves to the CMS data. The same four models are shown. Shaded regions indicate uncertainty bands: green for the 370 model, yellow for the 391 model, and orange for the default model. A horizontal line at 1.0 represents the ratio of 1.

(CMS_2021_I1920187)

mcplots.cern.ch [arXiv:2401.10621] Rivet 4.1.0, ≥ 100 k events ✓

2

0.5

width