

The figure consists of two panels sharing a common x-axis labeled $p_{TD2} \text{ (charged-only)}$ ranging from 0 to 1.

Top Panel: Shows the differential cross-section $\frac{1}{\sigma} \frac{dN}{dp_T} \frac{d\lambda}{d\lambda}$ on a logarithmic y-axis from 10^{-2} to 10^2 . The data points are from CMS (black squares) and the theoretical models are Pythia 8.315 default (blue solid line with triangles) and Pythia 8.315 vincia-default (cyan dashed line with triangles). The plot is for the central dijet region, $800 < p_{T}^{jet} < 1000 \text{ GeV}$. A text label "(CMS_2021_I1920187)" is present.

Bottom Panel: Shows the ratio of the cross-section to the CMS data, Ratio to CMS , on a linear y-axis from 0.5 to 2. The same theoretical models are shown. A horizontal line at 1.0 indicates the ratio of 1. Shaded regions (yellow and green) represent the uncertainty bands. The plot is for Rivet 4.1.0, $\geq 100k \text{ events}$.