

Top Panel: Differential event rate $\frac{1}{\#} \frac{dN}{dp_T d\lambda}$ versus width. The y-axis is logarithmic, ranging from 10^{-3} to 10^2 . The x-axis is linear, ranging from 0 to 1. Data points are shown for CMS (black squares) and several Pythia 6.428 models (various colors and line styles). The plot is labeled "CMS, 13 TeV, AK4 jets, central dijet region, $408 < p_T^{j1} < 481$ GeV" and "(CMS_2021_I1920187)".

Bottom Panel: Ratio of the model to the CMS data versus width. The y-axis is linear, ranging from 0.5 to 2. The x-axis is linear, ranging from 0 to 1. The plot shows the ratio of the model to the CMS data for the same models as the top panel. A shaded yellow region indicates the ratio of 1.0.

(CMS_2021_I1920187)

mcplots.cern.ch [arXiv:2401.10621]

2

0.5

width