

Jets

Figure 1 consists of two panels. The top panel shows the ratio of the number of particles in the final state to the number of particles in the initial state, dN/dp_T , as a function of width. The y-axis is labeled dN/dp_T and ranges from 0 to 1000. The x-axis is labeled 'width' and ranges from 0 to 1. Data points for CMS are shown as black squares. Theoretical predictions for Pythia 6.424 default (orange dashed line with squares) and Pythia 6.424 pro-q20 (green dotted line with stars) are shown. The bottom panel shows the ratio of the number of particles in the final state to the number of particles in the initial state, dN/dp_T , as a function of width. The y-axis is labeled 'Ratio to CMS' and ranges from 0.5 to 2. The x-axis is labeled 'width' and ranges from 0 to 1. A green band represents the ratio to CMS data, and a yellow band represents the ratio to CMS data for the Pythia 6.424 pro-q20 model.

mcplots.cern.ch [arXiv:1306.3436]

Rivet 3.1.10, $\geq 300\text{k}$ events

CMS_2021_I1920187

Ratio to CMS

width