

Z+Jet

Figure 1 consists of two panels. The top panel shows the ratio of the differential cross-section to the CMS data, $1 / (dN/dp_T d\ln\eta)$, as a function of the longitudinal momentum fraction LHA . The y-axis ranges from 0 to 10000, and the x-axis ranges from 0 to 1. Data points from CMS are shown as black squares with error bars. Theoretical predictions from Pythia 8.308 are shown as lines with markers: blue triangles for the default model, red triangles for the default-CD model, magenta triangles for the default-DL model, and purple triangles for the default-MBR model. The bottom panel shows the ratio of the differential cross-section to the CMS data, Ratio to CMS , as a function of LHA . The y-axis ranges from 0.5 to 2.0, and the x-axis ranges from 0 to 1. A green band indicates the ratio is within 10% of the CMS data, and a yellow band indicates the ratio is within 20% of the CMS data. The text 'Rivet 3.1.10, ≥ 2 ' is visible in the top right corner of the top panel.

mcplots.cern.ch [arXiv:1306.3436]

Rivet 3.1.10, $\geq 2.7\text{M}$ events