

Z+Jet

Figure 1 consists of two panels. The top panel is a line plot showing the ratio of the total cross section to the CMS result as a function of thrust. The x-axis is labeled 'thrust' and ranges from 0 to 1. The y-axis is labeled 'ratio of the total cross section to the CMS result' and ranges from 0 to 1. The plot compares two models: 'Pythia 8.308 default' (blue line with upward-pointing triangles) and 'Pythia 8.308 default-noCR' (grey line with upward-pointing triangles). Both models show a sharp increase in the ratio at low thrust values, peaking around thrust = 0.1, and then decreasing towards 1 as thrust increases. The 'Pythia 8.308 default' model shows a slightly higher ratio than the 'Pythia 8.308 default-noCR' model at low thrust. The CMS result is shown as black squares, which are clustered around a ratio of 1 for thrust values greater than 0.5. The bottom panel is a histogram showing the ratio of the total cross section to the CMS result as a function of thrust. The x-axis is labeled 'thrust' and ranges from 0 to 1. The y-axis is labeled 'Ratio to CMS' and ranges from 0.5 to 2. The histogram shows a distribution of ratios, with a peak around thrust = 0.1 and a long tail extending to higher thrust values. The distribution is centered around a ratio of 1, with a green shaded region indicating the ratio of the total cross section to the CMS result.

mcplots.cern.ch [arXiv:1306.3436]

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