

Z+Jet

Rivet 3.1.10, $\geq 2\text{M}$ events

mcplots.cern.ch [arXiv:1306.3436]

2

0.5

pTD2

The figure displays the ratio of the differential cross-section to the CMS result for the production of a top quark and a photon, as a function of the top quark transverse momentum (p_{TD2}). The plot compares the CMS result with several Pythia models: Pythia 6.428 345, Pythia 6.428 346, Pythia 6.428 370, Pythia 6.428 default, and Pythia 8.308 default. The ratio is shown as a function of p_{TD2} , with a shaded region indicating the ratio to CMS. The plot is labeled 'pTD2' on the x-axis and 'Ratio to CMS' on the y-axis. The plot is also labeled 'pTD2' on the x-axis and 'Ratio to CMS' on the y-axis.