

13000 GeV pp

Z+Jet

 $p_T$  spectrum (ATLAS UE in Z production) $1/N_{ch} dN_{ch}/dp_T$  [GeV]

- ATLAS
- - ■ Pythia 6.426 default
- - ☆ Pythia 6.426 pro-q2o

Rivet 3.1.10,  $\geq 400k$  events

mcplots.cern.ch [arXiv:1306.3436]

ATLAS\_2019\_I1736531

Ratio to ATLAS

2

1

0.5

 $p_T$  [GeV]

0

2

4