

13000 GeV pp

Z+Jet

Scalar  $\Sigma(p_T)$  (ATLAS UE in Z production)

■ ATLAS  
—▲ Pythia 8.315 default

 $10^{-1}$  $10^{-2}$  $10^{-3}$  $10^{-4}$ 

Rivet 4.1.0, 100k events

mcplots.cern.ch [arXiv:1306.3436]

(ATLAS\_2019\_I1736531)

Ratio to ATLAS

2

1

0.5

2

1

0.5

0

2

4