

13000 GeV pp

Z+Jet

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

- ATLAS
—△ Pythia 6.424 ambt1

 $1/N_{\text{ch}} dN_{\text{ch}}/dp_T [\text{GeV}]$

Rivet 3.1.10, 400k events

mcplots.cern.ch [arXiv:1306.3436]

ATLAS_2019_1176531

Ratio to ATLAS

2

1

0.5

 $p_T [\text{GeV}]$ 