

13000 GeV pp

Z+Jet

<pT> (ATLAS UE in Z production)

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

1.2

1

0.8

0.6

0.4

0.2

0

■ ATLAS

- - - □ Pythia 6.428 346

- - - △ Pythia 6.428 347

- - - ◇ Pythia 6.428 348

- - - + Pythia 6.428 349

- - - △ Pythia 6.428 370

ATLAS_2019_I1736531

Ratio to ATLAS

2

1

0.5

1

2

3

 $p_T [\text{GeV}]$

Rivet 3.1.10, ≥ 2.6M events

mcplots.cern.ch [arXiv:1306.3436]

2

1

0.5