

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 6.428 345

Pythia 6.428 346

Pythia 6.428 370

Pythia 6.428 default

Pythia 8.183 default

Rivet 3.1.10, ≥ 300k events

mcplots.cern.ch [arXiv:1306.3436]

ATLAS_2019_I1736531

Ratio to ATLAS

2

1

0.5

2

1

0.5

 $p_T [\text{GeV}]$

3

2

1