

13000 GeV pp

Z+Jet

<pT> (ATLAS UE in Z production)

■ ATLAS
—▲ Pythia 8.170 default

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

3.5
3
2.5
2
1.5
1
0.5
0

Rivet 3.1.10, 300k events

mcplots.cern.ch [arXiv:1306.3436]

ATLAS 2019, 1736531

Ratio to ATLAS

2
1
0.5

2
1
0.5

1

2

3

 $p_T [\text{GeV}]$ 