

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 6.428 355

-o- Pythia 6.428 356

-△- Pythia 6.428 370

-☆- Pythia 6.428 379

-△- Pythia 6.428 ambt1

-●- Pythia 6.428 z2

ATLAS_2019_I1736531

Rivet 3.1.10, ≥ 2.6M events

mcplots.cern.ch [arXiv:1306.3436]

Ratio to ATLAS

2

1

0.5

2

1

0.5

 $p_T [\text{GeV}]$

3

2

1

