

13000 GeV pp

Z+Jet

<pT> (ATLAS UE in Z production)

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

- ATLAS
- Pythia 6.424 p0
- Pythia 6.424 p2010

Rivet 3.1.10, ≥ 300k events

mcplots.cern.ch [arXiv:1306.3436]

ATLAS_2019_I1736531

Ratio to ATLAS

2.5
2.0
1.5
1.0
0.5
0

2

1

0.5

1

2

3

 $p_T [\text{GeV}]$

2

1

0.5