

13000 GeV pp

Z+Jet

<pT> (ATLAS UE in Z production)

- ATLAS
- ▲ Pythia 8.170 default
- Pythia 8.170 tune-4cx

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

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_I1736531

Ratio to ATLAS

0.5
1
2

2
1
0.5

 $p_T [\text{GeV}]$

1

2

3