

13000 GeV pp

Z+Jet

<pT> (ATLAS UE in Z production)

- ATLAS
- - ■ Pythia 6.424 default
- - ☆ Pythia 6.424 pro-q2o

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

3
2.5
2
1.5
1
0.5
0

Rivet 3.1.10, ≥ 400k events

mcplots.cern.ch [arXiv:1306.3436]

ATLAS_2019_0736531

Ratio to ATLAS

2
1
0.5

2
1
0.5

 $p_T [\text{GeV}]$

1

2

3