

13000 GeV pp

Z+Jet

&lt;pT&gt; (ATLAS UE in Z production)

- ATLAS
- △ Pythia 6.427 370
- -■ Pythia 6.427 default
- ▲ Pythia 8.308 default

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

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

2  
1  
0.5

2  
1  
0.5

 $p_T [\text{GeV}]$ 

1

2

3