

13000 GeV pp

Z+Jet

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

- ATLAS
- ▲ Pythia 8.209 default
- ▲ Pythia 8.209 default-noCR

 $1/N_{\text{ch}} dN_{\text{ch}}/dp_T [\text{GeV}]$ 3.5  
3  
2.5  
2  
1.5  
1  
0.5  
0

Rivet 3.1.10, ≥ 400k events

mcplots.cern.ch [arXiv:1306.3436]

ATLAS\_2019\_I1736531

Ratio to ATLAS

2.5  
2  
1.5  
1  
0.52  
1  
0.5 $p_T [\text{GeV}]$ 

3

2

1

