

13000 GeV pp

Z+Jet

 $p_T$  spectrum (ATLAS UE in Z production)

- ATLAS
- ◆ Sherpa 2.2.9 default

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

1.6  
1.4  
1.2  
1  
0.8  
0.6  
0.4  
0.2  
0

Rivet 3.1.10, 3M events  
mcplots.cern.ch [arXiv:1306.3436]

ATLAS 2019 J1736531

Ratio to ATLAS

2  
1  
0.5

2  
1  
0.5

 $p_T$  [GeV]

0

2

4