

13000 GeV pp

Z (Drell-Yan)

 $p_T$  spectrum (ATLAS UE in Z production)

10  
1  
 $10^{-1}$   
 $10^{-2}$   
 $10^{-3}$

■ ATLAS  
—▲ Pythia 8.315 default

(ATLAS\_2019\_I1736531)

Rivet 4.1.0, 2.1M events  
mcplots.cern.ch [arXiv:1306.3436]

Ratio to ATLAS

2  
1  
0.5

2  
1  
0.5

0

2

4

