

13000 GeV pp

Z (Drell-Yan)

 $p_T$  spectrum (ATLAS UE in Z production)

- ATLAS
- ▲ Pythia 8.308 default
- ▲ Pythia 8.308 default-noCR

 $1/N_{ch} dN_{ch}/dp_T$  [GeV]5  
4  
3  
2  
1  
0Rivet 3.1.10,  $\geq 2.6$ M events

mcplots.cern.ch [arXiv:1306.3436]

ATLAS\_2019\_I1736531

Ratio to ATLAS

2  
1  
0.52  
1  
0.5 $p_T$  [GeV]