

13000 GeV pp

Z+Jet

Scalar  $\Sigma(p_T)$  (ATLAS UE in Z production)

- ATLAS  
—▲ Pythia 8.183 default

 $1/N_{\text{ch}} dN_{\text{ch}}/dp_T$  [GeV]0.45  
0.4  
0.35  
0.3  
0.25  
0.2  
0.15  
0.1  
0.05  
0

ATLAS\_2019\_I1736531

Rivet 3.1.10, 400k events

mcplots.cern.ch [arXiv:1306.3436]

Ratio to ATLAS

2  
1  
0.52  
1  
0.5 $p_T$  [GeV]