

13000 GeV pp

Z+Jet

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

- ATLAS
- ▲ Pythia 8.308 default

 $1/N_{\text{ch}} dN_{\text{ch}}/dp_T [\text{GeV}]$ 0.06  
0.05  
0.04  
0.03  
0.02  
0.01  
0

Rivet 3.1.10, 2.9M events

mcplots.cern.ch [arXiv:1306.3436]

ATLAS\_2019\_I1736531

Ratio to ATLAS

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