

13000 GeV pp

Z (Drell-Yan)

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

■ ATLAS  
—▲ Pythia 8.183 default

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

Rivet 3.1.10, 300k events

mcplots.cern.ch [arXiv:1306.3436]

ATLAS\_2019\_I1736531

Ratio to ATLAS

2

1

0.5

 $p_T$  [GeV]