

13000 GeV pp

Z (Drell-Yan)

&lt;pT&gt; (ATLAS UE in Z production)

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

- ATLAS
- - □ Herwig 7.2.1 default
- - ▲ Pythia 8.170 default

Rivet 3.1.10, ≥ 400k events

mcplots.cern.ch [arXiv:1306.3436]

ATLAS 2019 I1736531

Ratio to ATLAS

2

1

0.5

 $p_T [\text{GeV}]$ 