

13000 GeV pp

Z (Drell-Yan)

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

- ATLAS
- - □ Herwig 7.2.1 default
- - ▼ Herwig 7.2.1 softTune

 $1/N_{\text{ch}} dN_{\text{ch}}/dp_T [\text{GeV}]$ 0.5
0.4
0.3
0.2
0.1
0

ATLAS_2019_I1736531

Rivet 3.1.10, $\geq 2.8\text{M}$ events

mcplots.cern.ch [arXiv:1306.3436]

Ratio to ATLAS

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