

13000 GeV pp

Z (Drell-Yan)

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

- ATLAS
- - □ Herwig 7.2.1 default
- - ▲ Pythia 8.315 default
- - ◆ Sherpa 2.2.9 default

Rivet 4.1.0,  $\geq 1.7$ M events

mcplots.cern.ch [arXiv:1306.3436]

(ATLAS\_2019\_I1736531)

Ratio to ATLAS

0.5

1

2

2

10<sup>-3</sup>10<sup>-2</sup>10<sup>-1</sup>

1

10

0.5

1

2