

13000 GeV pp

Z (Drell-Yan)

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

- ATLAS
- △ Herwig++ Powheg 2.7.1 default
- ◆ Sherpa 2.2.9 default

Rivet 4.1.0,  $\geq 1.7\text{M}$  events

mcplots.cern.ch [arXiv:1306.3436]

(ATLAS\_2019\_I1736531)

Ratio to ATLAS

 $10^{-1}$ 

2

1

0.5

2

1

0.5

0

200

400

