

13000 GeV pp

Z (Drell-Yan)

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

- ATLAS
- Herwig 7.2.1 default
- ▲ Pythia 8.308 default
- ...◆ Sherpa 2.2.9 default

Rivet 3.1.10,  $\geq 2.6$  M events

mcplots.cern.ch [arXiv:1306.3436]

ATLAS\_2019\_I1736531

Ratio to ATLAS

0.5

1

2

0.5

1

2

sum  $p_T/d\eta d\phi$  [GeV] $1/N_{ev} dN_{ev}/d\text{sum } p_T/d\eta d\phi$  [GeV]<sup>-1</sup>