

13000 GeV pp

Z (Drell-Yan)

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

- ATLAS
- - □ Herwig 7.2.1 default
- - ▲ Pythia 8.170 default
- - ◆ Sherpa 2.2.9 default

ATLAS\_2019\_I1736531

Rivet 3.1.10,  $\geq 400k$  events

mcplots.cern.ch [arXiv:1306.3436]

Ratio to ATLAS

2

1

0.5

 $Z p_T$  [GeV] $\langle \sum p_{T,i} / d\eta d\phi \rangle$  [GeV]

10

8

6

4

2

0

2

1

0.5

0

200

400