

13000 GeV pp

Z (Drell-Yan)

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

- ATLAS
- - □ Herwig 7.2.1 default
- - ▲ Pythia 8.308 default

Rivet 3.1.10,  $\geq 2.6$ M events

mcplots.cern.ch [arXiv:1306.3436]

ATLAS\_2019\_I1736531

Ratio to ATLAS

2

1

0.5

Z  $p_T$  [GeV] $\langle \text{sum } p_T / d\eta d\phi \rangle$  [GeV]5  
4  
3  
2  
1  
0  
2  
1  
0.5

0

200

400