

13000 GeV pp

Z (Drell-Yan)

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

- ATLAS
- - □ Herwig 7.2.1 default
- - ▲ Pythia 8.170 default

 $1/N_{\text{ev}} dN_{\text{ev}}/d\text{sum } p_T/d\eta d\phi \text{ [GeV]}^{-1}$ 3
2.5
2
1.5
1
0.5
0Rivet 3.1.10, ≥ 400k events
mcplots.cern.ch [arXiv:1306.3436]

ATLAS_2019_I1736531

Ratio to ATLAS

2
1
0.5sum $p_T/d\eta d\phi$ [GeV]