

13000 GeV pp

Z+Jet

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

- ATLAS
- - □ Herwig 7.2.1 default
- - ▲ Pythia 8.308 default
- - ◆ Sherpa 1.4.5 default

 $1/N_{\text{ch}} dN_{\text{ch}}/dp_T [\text{GeV}]$ 6
5
4
3
2
1
0Rivet 3.1.10, $\geq 500\text{k}$ events

mcplots.cern.ch [arXiv:1306.3436]

ATLAS_2019_I1736531

Ratio to ATLAS

2
1
0.52
1
0.5 $p_T [\text{GeV}]$ 