

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

- ATLAS
- - □ Herwig 7.2.1 default
- - ▲ Pythia 8.183 default
- - ◆ Sherpa 2.2.9 default

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

5

4

3

2

1

0

Ratio to ATLAS

2

1

0.5

0

2

4

sum $p_T/d\eta d\phi [\text{GeV}]$ Rivet 3.1.10, $\geq 300\text{k events}$

mcplots.cern.ch [arXiv:1306.3436]

2

1

0.5

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