

13000 GeV pp

Z+Jet

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

- ATLAS
- Herwig++ 2.5.0 default
- Herwig 7.2.1 default
- ▼- Herwig 7.2.1 softTune

 $1/N_{\text{ch}} dN_{\text{ch}}/dp_T [\text{GeV}]$ 

0.35

0.3

0.25

0.2

0.15

0.1

0.05

0

0

2

2

1

1

0.5

0.5

0.5

0.5

0.5

0.5

0.5

ATLAS\_2019\_I1736531

Rivet 3.1.10,  $\geq 400\text{k events}$ 

mcplots.cern.ch [arXiv:1306.3436]

2

1

0.5

0.5

0.5

0.5

 $p_T [\text{GeV}]$