

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

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

0.45

0.4

0.35

0.3

0.25

0.2

0.15

0.1

0.05

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

ATLAS_2019_I1736531

Rivet 3.1.10, $\geq 500\text{k events}$

mcplots.cern.ch [arXiv:1306.3436]

Ratio to ATLAS

2

2

2

2

2

2

2

2

2

2

2

2

2

2

2

2

2

2

2

2

2

2

2

2

2

2

2

2

2

2

0

2

4

 $p_T [\text{GeV}]$