

13000 GeV pp

Z (Drell-Yan)

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

- ATLAS
- Herwig++ 2.7.1 default
- Herwig++ 2.7.1 UE-EE-5
- Herwig 7.2.1 default

Rivet 3.1.10, ≥ 2.2 M events

mcplots.cern.ch [arXiv:1306.3436]

ATLAS 2019, 11736531

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

Ratio to ATLAS

 p_T [GeV]