

13000 GeV pp

Z (Drell-Yan)

Average $\Sigma(p_T)$ (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, $\geq 2.7M$ events

mcplots.cern.ch [arXiv:1306.3436]

ATLAS_2019_I1736531

 $\langle \text{sum } p_{T, \text{dn}} d\phi \rangle$ [GeV]9
8
7
6
5
4
3
2
1
0

Ratio to ATLAS

2
1
0.5

0

200

400

 $Z p_T$ [GeV]2
1
0.5