

13000 GeV pp

Z (Drell-Yan)

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

- ATLAS
- △ Herwig++ Powheg 2.7.1 default
- MadGraph5 2.7.2.atlas3 lo
- ◆ Sherpa 1.4.5 default

Rivet 3.1.10, $\geq 300k$ events

mcplots.cern.ch [arXiv:1306.3436]

ATLAS_2019_I1736531

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

Ratio to ATLAS

14
12
10
8
6
4
2
0
2
1
0.514
12
10
8
6
4
2
0
2
1
0.50 2 4 sum $p_T/d\eta d\phi [\text{GeV}]$ 