

13000 GeV pp

Z (Drell-Yan)

<pT> vs p_T^Z (ATLAS UE in Z production)

- ATLAS
- Herwig 7.2.1 default
- MadGraph5 2.7.2.atlas3 lo
- ▲ Pythia 8.170 default
- ◆ Sherpa 2.2.9 default

Rivet 3.1.10, ≥ 400k events

mcplots.cern.ch [arXiv:1306.3436]

ATLAS_2019_I1736531

Ratio to ATLAS

2

1

0.5

 $Z p_T$ [GeV]<mean $p_T/d\eta d\phi$ > [GeV]6
5
4
3
2
1
0
2
1
0.5

0

200

400