

13000 GeV pp

Z (Drell-Yan)

<pT> (ATLAS UE in Z production)

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

- ATLAS
- Herwig++ 2.7.1 default
- Herwig 7.2.1 default
- ▲- Pythia 8.308 default
- ▼- Pythia 8.308 vincia-default
- ◆- Sherpa 2.2.9 default

Rivet 3.1.10, ≥ 2.6M events

mcplots.cern.ch [arXiv:1306.3436]

ATLAS 2019_I1736531

Ratio to ATLAS

0.5

1

2

0.5

1

2

Mean $p_T/d\eta d\phi$

1

2

3