

13000 GeV pp

Z (Drell-Yan)

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

- 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, ≥ 2.6 M events

mcplots.cern.ch [arXiv:1306.3436]

ATLAS_2019_I1736531

Ratio to ATLAS

2

1

0.5

Z p_T [GeV] $\langle \text{sum } p_{T_i} / d\eta d\phi \rangle$ [GeV]