

13000 GeV pp

Z (Drell-Yan)

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

- ATLAS
- Herwig 7.2.1 default
- ▲— Pythia 8.308 default
- -▼- - Pythia 8.308 vincia-default
- ...◆... Sherpa 2.2.9 default

ATLAS_2019_I1736531

Rivet 3.1.10, ≥ 2.6M events

mcplots.cern.ch [arXiv:1306.3436]

Ratio to ATLAS

2

0.5

 $Z p_T$ [GeV] $\langle \sum p_{T,i} / d\eta d\phi \rangle$ [GeV]10
8
6
4
2
0
2
1
0.5

0

200

400