

13000 GeV pp

Z (Drell-Yan)

Nch (ATLAS UE in Z production)

- ATLAS
- Herwig 7.2.1 default
- ▲— Pythia 8.170 default
- ◆···· Sherpa 2.2.9 default

ATLAS_2019_I1736531

Rivet 3.1.10, ≥ 400k events

mcplots.cern.ch [arXiv:1306.3436]

Ratio to ATLAS

0.5

2

1

0.5

2

1

0.5

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

9

8

7

6

5

4

3

2

1

0

0

0

0

0

0

0

1

2

3

4

4