

13000 GeV pp

Z (Drell-Yan)

Nch (ATLAS UE in Z production)

■ ATLAS

---○--- Herwig++ 2.7.1 default

- - - △ - - - Herwig++ Powheg 2.7.1 default

- - - ▼ - - - Herwig++ Powheg 2.7.1 LHC-UE-EE-4

- - - □ - - - Herwig 7.2.1 default

 $1/N_{\text{ev}} dN_{\text{ev}}/dN_{\text{ch}}/d\eta d\phi$

2.5

2

1.5

1

0.5

0

Ratio to ATLAS

2

1

0.5

0

1

2

3

4

 $N_{\text{ch}}/d\eta d\phi$

Rivet 3.1.10, ≥ 2.7M events

mcplots.cern.ch [arXiv:1306.3436]

2

1

0.5

