

13000 GeV pp

Z (Drell-Yan)

Nch (ATLAS UE in Z production)

- ATLAS
- △ Herwig++ Powheg 2.7.1 default
- ◆ Sherpa 2.2.9 default

 $1/N_{\text{ev}} dN_{\text{ev}}/d \text{ mean } p_T [\text{GeV}]^{-1}$ 5
4
3
2
1
0Rivet 3.1.10, ≥ 2.6M events
mcplots.cern.ch [arXiv:1306.3436]

ATLAS 2019_11736531

Ratio to ATLAS

2
1
0.52
1
0.5Mean $p_T/d\eta d\phi$ 