

13000 GeV pp

Z (Drell-Yan)

N_{ch} (ATLAS UE in Z production)

■ ATLAS

---△ Herwig++ Powheg 2.7.1 default

---◆ Sherpa 2.2.9 default

Rivet 3.1.10, ≥ 2.6M events

mcplots.cern.ch [arXiv:1306.3436]

ATLAS 2019 I1736531

Ratio to ATLAS

2

1

0.5

N_{ch}/dη dφ