

13000 GeV pp

Z (Drell-Yan)

N_{ch} (ATLAS UE in Z production)

- ATLAS
- - □ Herwig 7.2.1 default
- - ▲ Pythia 8.183 default
- - ◆ Sherpa 2.2.9 default

Rivet 3.1.10, ≥ 300k events

mcplots.cern.ch [arXiv:1306.3436]

ATLAS_2019_113653

Ratio to ATLAS

2

1

0.5

N_{ch}/dη dφ