

13000 GeV pp

Z (Drell-Yan)

N_{ch} (ATLAS UE in Z production)

- ATLAS
- Herwig++ 2.7.1 default
- Herwig 7.2.1 default

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

Rivet 3.1.10, ≥ 2.9M events

mcplots.cern.ch [arXiv:1306.3436]

ATLAS_2019_11036531

Ratio to ATLAS

2

1

0.5

N_{ch}/dη dφ