

13000 GeV pp

Underlying Event

Mean charged-particle multiplicity density, $p_T^{\text{lead}} > \{10 \text{ GeV}\}$

- ATLAS
- Herwig++ 2.7.1 default
- Herwig 7.0.0 default
- △- Herwig 7.0.0 UE-MMHT

Rivet 4.1.0, $\geq 200k$ events

mcplots.cern.ch [arXiv:1306.3436]

(ATLAS_2017_I1509919)

Ratio to ATLAS

2

1

0.5

 $|\Delta\phi|$ [degrees] $\langle N_{\text{ch}} / \delta\eta \delta\phi \rangle$

5

4

3

2

1

0

2

1

0.5

0

50

100

150