

900 GeV pp

Underlying Event

 N_{chg} density vs. $\Delta\phi$, $p_T^{\text{trk1}} > 2.0$ GeV, $\sqrt{s} = \{900 \text{ GeV}\}$

- ATLAS
- Herwig++ 2.7.1 default
- Herwig 7.2.1 default
- ▲- Pythia 8.315 default
- ▼- Pythia 8.315 vincia-default
- ◆- Sherpa 2.2.9 default

Rivet 4.1.0, ≥ 2.1 M events

mcplots.cern.ch [arXiv:1306.3436]

(ATLAS_2010_I879407)

Ratio to ATLAS

2

1

0.5

 $|\phi|$ (w.r.t. leading track) [rad] $\# \langle d^2 N_{\text{chg}} / d\eta d\phi \rangle$

1.2

1

0.8

0.6

0.4

0.2

0

2

1

0.5

0

1

2

3