

7000 GeV pp

Underlying Event

 N_{chg} density vs. $\Delta\phi$, $p_{\text{T}}^{\text{trk1}} > 1.0 \text{ GeV}$, $\sqrt{s} = \{7 \text{ TeV}\}$

■ ATLAS

---○--- Herwig++ 2.4.2 default

---□--- Herwig 7.2.1 default

 $\# \langle d^2 N_{\text{chg}} / d\eta d\phi \rangle$ Rivet 4.1.0, $\geq 100\text{k events}$

mcplots.cern.ch [arXiv:1306.3436]

(ATLAS_2010_I879407)

Ratio to ATLAS

2

1

0.5

 $|\phi|$ (w.r.t. leading track) [rad]