7000 GeV pp — Underlying Event

N_{chg} density vs. $\Delta\phi$, $p_T^{trk1} > 5.0$ GeV, $\sqrt{s} = \{7$ TeV$\}$

- ■ ATLAS
- ⚬ Herwig++ 2.7.1 default
- ▢ Herwig 7.2.1 default
- ▼ Herwig 7.2.1 softTune

$\#\langle d^2 N_{chg}/d\eta d\phi \#\rangle$

(ATLAS_2010_I879407)

Rivet 4.1.0, $\geq$ 100k events

mcplots.cern.ch [arXiv:2401.10621]

Ratio to ATLAS

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