

7000 GeV pp

Underlying Event

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

- ATLAS
- Pythia 6.428 350
- - -●- - - Pythia 6.428 357
- ...●... Pythia 6.428 358
- - -■- - - Pythia 6.428 359

Rivet 4.1.0, $\geq 100k$ events

mcplots.cern.ch [arXiv:2401.10621]

(ATLAS_2010_I879407)

Ratio to ATLAS

2

1

0.5

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