

900 GeV pp

Underlying Event

 N_{chg} density vs. $\Delta\phi$, $p_{\text{T}}^{\text{trk1}} > 2.5 \text{ GeV}$, $\sqrt{s} = \{900 \text{ GeV}\}$

- ATLAS
- Pythia 6.428 359
- △- Pythia 6.428 370
- ▲- Pythia 6.428 a
- ▼- Pythia 6.428 dw
- Pythia 6.428 p0
- ☆- Pythia 6.428 pro-q2o

Rivet 4.1.0, $\geq 3.1\text{M}$ events

mcplots.cern.ch [arXiv:2401.10621]

(ATLAS_2010_I879407)

2

1

0.5

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

Ratio to ATLAS

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