

900 GeV pp

Underlying Event

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

- ATLAS
- △ Pythia 6.428 370
- -■ Pythia 6.428 default
- ▲ Pythia 8.315 default

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

1.2

1.0

0.8

0.6

0.4

0.2

0

2

1

0.5

Rivet 4.1.0,  $\geq 3.3\text{M}$  events

mcplots.cern.ch [arXiv:2401.10621]

(ATLAS\_2010\_I879407)

Ratio to ATLAS

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

2

1

0.5

