

900 GeV pp

Underlying Event

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

- ATLAS
- Pythia 6.425 350
- .-♦-.- Pythia 6.425 357
- ...♦... Pythia 6.425 358
- .-■-.- Pythia 6.425 359

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

1.2

1.0

0.8

0.6

0.4

0.2

0

2

1

0.5

(ATLAS\_2010\_I879407)

Ratio to ATLAS

2

1

0.5

0

1

2

3

 $|\phi|$  (w.r.t. leading track) [rad]Rivet 4.1.0,  $\geq 300k$  events

mcplots.cern.ch [arXiv:1306.3436]

2

1

0.5

0.5