

7000 GeV pp

Underlying Event

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

- ATLAS
- - ■ Pythia 6.425 default
- - ▲ Pythia 8.165 default

 $\# \langle d^2 p_T / d\eta d\phi \rangle$ 5
4
3
2
1
0Rivet 4.1.0, $\geq 100k$ events

mcplots.cern.ch [arXiv:1306.3436]

(ATLAS_2010_I879407)

Ratio to ATLAS

2
1
0.52
1
0.5 $|\phi|$ (w.r.t. leading track) [rad]