

7000 GeV pp

Underlying Event

 p_T density vs. $\Delta\phi$, $p_T^{\text{trk1}} > 2.0$ GeV, $\sqrt{s} = \{7 \text{ TeV}\}$

- ATLAS
- ▲ Pythia 8.243 default
- ▼ Pythia 8.243 tune-AU2
- ◇ Pythia 8.243 tune-AU2lox
- Pythia 8.243 tune-AU2loxx
- ★ Pythia 8.243 tune-AU2m

Rivet 4.1.0, $\geq 100k$ events

mcplots.cern.ch [arXiv:1306.3436]

(ATLAS_2010_I879407)

Ratio to ATLAS

2

1

0.5

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