

900 GeV pp

Underlying Event

Std. dev. Transverse  $N_{\text{chg}}$  density vs.  $p_{\text{T}}^{\text{trk1}}$ ,  $\sqrt{s} = \{900 \text{ GeV}\}$ 

- ATLAS
- ▲ Pythia 8.230 default
- ▲ Pythia 8.230 default-noCR

Rivet 4.1.0,  $\geq 400\text{k}$  events

mcplots.cern.ch [arXiv:1306.3436]

(ATLAS\_2010\_I879407)

Ratio to ATLAS

2

1

0.5

 $p_{\text{T}}$  (leading track) [GeV]