

7000 GeV pp

Underlying Event

Transverse  $\langle p_T \rangle$  vs.  $N_{\text{chg}}$ ,  $\sqrt{s} = \{7 \text{ TeV}\}$ 

- ATLAS
- ▲ Pythia 8.235 default
- ▲ Pythia 8.235 default-noFsr
- ▲ Pythia 8.235 default-noRap

Rivet 4.1.0,  $\geq 100k$  events

mcplots.cern.ch [arXiv:1306.3436]

(ATLAS\_2010\_I879407)

Ratio to ATLAS

2

1

0.5

 $N_{\text{chg}}$ 