

7000 GeV pp

Underlying Event

Transverse  $\sum p_T$  density vs.  $p_T^{\text{trk1}}$ ,  $\sqrt{s} = \{7 \text{ TeV}\}$ ,  $p_T > \{100 \text{ MeV}\}$

- ATLAS
- - ■ Pythia 6.423 default
- - \* Pythia 6.423 pro-q2o

$\langle d^2 \sum p_T / d\ln\phi \rangle$  [GeV]

Rivet 4.1.0,  $\geq 100k$  events

mcplots.cern.ch [arXiv:2401.10621]

(ATLAS\_2010\_I879407)

Ratio to ATLAS

$p_T$  (leading track) [GeV]

