

900 GeV pp

Underlying Event

Transverse  $\sum p_T$  density vs.  $p_T^{\text{trk1}}$ ,  $\sqrt{s} = \{900 \text{ GeV}\}$

- ATLAS
- △ Pythia 6.428 370
- Pythia 6.428 391
- Pythia 6.428 default
- ▲ Pythia 8.150 default

$\# \langle d^2 \sum p_T / d\ln\phi \rangle [\text{GeV}]$

Rivet 4.1.0,  $\geq 500\text{k}$  events

mcplots.cern.ch [arXiv:1306.3436]

(ATLAS\_2010\_I879407)

Ratio to ATLAS

2

1

0.5

$p_T$  (leading track) [GeV]

