

7000 GeV pp

Underlying Event

 $\Sigma(p_T)$  vs  $\eta^{\text{lead}}$  ( $|\eta| < 2.5$ ,  $p_T > 0.1$  GeV)

- ATLAS
- ▼ Herwig 7.2.1 softTune
- △ Pythia 6.427 370
- ▲ Pythia 8.308 default

Rivet 3.1.10,  $\geq 500k$  events

mcplots.cern.ch [arXiv:1306.3436]

ATLAS\_2010\_S8894728

Ratio to ATLAS

0.5

1

2

0.5

2

0

1

2

 $|\eta|$  (leading track) $\langle d^2 \text{ sum } p_T / d\eta d\phi \rangle$  [GeV]

3

2.5

2

1.5

1

0.5