

7000 GeV pp

Underlying Event

 $\Sigma(p_T)$  vs  $\eta^{\text{lead}}$  ( $|\eta| < 2.5$ ,  $p_T > 0.1$  GeV) $\langle d^2 \text{ sum } p_T / d\eta d\phi \rangle$  [GeV]

- ATLAS
- Herwig 7.2.1 default
- ▲— Pythia 8.183 default
- ...◆... Sherpa 2.2.9 default

Rivet 3.1.10,  $\geq 400k$  events

mcplots.cern.ch [arXiv:1306.3436]

ATLAS\_2010\_S8894728

Ratio to ATLAS

2

1

0.5

 $|\eta|$  (leading track)