

7000 GeV pp

Underlying Event

 $\Sigma(E_T)$ vs $\eta^{\text{lead}} (|\eta| < 4.8, p^{\text{ch(neutral)}} > 0.5(0.2) \text{ GeV}, E_T^{j1j2} > 20 \text{ GeV}, |\eta^{j1j2}| < 2.5)$

- ATLAS
- Herwig 7.2.1 default
- ▲-- Pythia 8.201 default
- ...◆... Sherpa 2.2.9 default

Rivet 4.1.0, ≥ 100k events

mcplots.cern.ch [arXiv:1306.3436]

(ATLAS_2012_I1183818)

Ratio to ATLAS

2

1

0.5

0 1 2 3 4