

7000 GeV pp

Underlying Event

Average  $p_T$  vs  $N_{ch}$  (TRNS) ( $|\eta| < 2.5$ ,  $p_T > 0.5$  GeV)

- ATLAS
- Herwig 7.2.0 default
- ▲ Pythia 8.186 default
- ◆ Sherpa 1.4.3 default

Rivet 3.1.0,  $\geq 5.4$ M events

mcplots.cern.ch [arXiv:1306.3436]

ATLAS\_2010\_S8894728

Ratio to ATLAS

2

1

0.5

