

13000 GeV pp

Underlying Event

Average  $p_T$  vs  $N_{ch}$  ( $|\eta| < 2.5$ ,  $p_T > 0.5$  GeV,  $p_{T1} > 1$  GeV)

- ATLAS
- Herwig 7.2.1 default

Rivet 3.1.10, 2.6M events

mcplots.cern.ch [arXiv:1306.3436]

ATLAS\_2017\_I1509919

Ratio to ATLAS

 $N_{ch}$  (Towards)