

7000 GeV pp

Underlying Event

 $\langle d^2 \text{sum } p_T / d\eta d\phi \rangle$ [GeV]

 Sum(p_T) density wrt η of leading track (TRNS) ($|\eta| < 2.5$, $p_T > 0.1$ GeV)

- ATLAS
- + Epos 1.99.crmc.1.6.0 lhc
- -□ Herwig 7.2.0 default
- △ Pythia 6.428 370
- ▲ Pythia 8.301 default
- ◇ Sherpa 2.1.1 default

Rivet 3.1.0, ≥ 5.4 M events

mcplots.cern.ch [arXiv:1306.3436]

ATLAS_2010_S8894728

Ratio to ATLAS

 3
 2.5
 2
 1.5
 1
 0.5

 2
 1
 0.5

 $|\eta|$ (leading track)
