

7000 GeV pp

Underlying Event

 $\Sigma(p_T)$ vs $\Delta\phi$ ($|\eta| < 2.5$, $p_T > 0.5$ GeV, $p_{T1} > 3$ GeV)

- ATLAS
- Herwig 7.2.1 default
- ▲— Pythia 8.308 default
- ...◆... Sherpa 1.3.0 default

Rivet 3.1.10, $\geq 500k$ events

mcplots.cern.ch [arXiv:1306.3436]

ATLAS_2010_S8894728

Ratio to ATLAS

2

1

0.5

 $|\phi_{\text{left}} - \phi_{\text{right}}|$ (w.r.t. leading track) [rad]