

900 GeV pp

Underlying Event

 $\langle N_{\text{ch}} \rangle$ vs ϕ^{lead} ($|\eta| < 2.5$, $p_{\text{T}} > 0.5$ GeV, $p_{\text{T}_1} > 2.5$ GeV)

- ATLAS
- Herwig 7.2.1 default
- △-- Pythia 6.428 370
- ▲-- Pythia 8.308 default
- ◆-- Sherpa 1.4.5 default

Rivet 3.1.10, $\geq 400\text{k}$ 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]