

900 GeV pp

Underlying Event

 $\langle N_{ch} \rangle$ vs ϕ^{lead} ($|\eta| < 2.5$, $p_T > 0.5$ GeV, $p_{T1} > 2.5$ GeV)

- ATLAS
- Herwig 7.2.1 default
- △-- Pythia 6.428 370
- ▲-- Pythia 8.212 default
- ...◆... Sherpa 2.2.9 default

Rivet 3.1.10, ≥ 400k events

mcplots.cern.ch [arXiv:1306.3436]

ATLAS_2010_S8894728

Ratio to ATLAS

 $|\phi|$ (w.r.t. leading track) [rad]