

13000 GeV pp

Underlying Event

 $\Sigma(p_T)$ vs $\Delta\phi$ ($|\eta| < 2.5$, $p_T > 0.5$ GeV, $p_{T1} > 1$ GeV)

- ATLAS
- △— Pythia 6.428 370
- - □ - - Pythia 6.428 391
- - ■ - - Pythia 6.428 default
- ⋯ ☆ ⋯ Pythia 6.428 pro-q2o

Rivet 3.1.10, ≥ 2.7 M events

mcplots.cern.ch [arXiv:1306.3436]

ATLAS_2017_I1509919

2

1

0.5

Ratio to ATLAS

 $\langle \text{sum } p_T / \Delta\eta \text{ delta}\phi \rangle$ $|\Delta\phi|$ [degrees]