

13000 GeV pp

Underlying Event

 $\Sigma(p_T)$ vs $\Delta\phi$ ($|\eta| < 2.5$, $p_T > 0.5$ GeV, $p_{T1} > 5$ GeV)

- ATLAS
- - □ Herwig 7.2.1 default

5

4

3

2

1

0

0

0

0

2

1

0.5

0

50

100

150

 $|\Delta\phi|$ [degrees]

Rivet 3.1.10, 2.6M events

mcplots.cern.ch [arXiv:1306.3436]

2

1

0.5

ATLAS_2017_I1509919

Ratio to ATLAS

 $\langle \text{sum } p_T / \Delta\eta \Delta\phi \rangle$ 