

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

- ATLAS
- - □ - - Herwig 7.2.1 default
- - ▲ - - Pythia 8.308 default
- - ◆ - - Sherpa 2.2.9 default

5

4

3

2

1

0

0

2

1

0.5

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

0

ATLAS\_2010\_S8894728

Rivet 3.1.10,  $\geq 2.8$ M events

mcplots.cern.ch [arXiv:1306.3436]

2

1

0.5

0

0

0

0

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

Ratio to ATLAS

 $\langle d^2 p_T / d\eta d\phi \rangle$ 