

7000 GeV pp

Underlying Event

Average Charged Particle Density(AWAY) ( $|\eta| < 2.5, p_T > 0.1$  GeV) $\langle d^2 N_{\text{chg}}/d\eta d\phi \rangle$ 

Ratio to ATLAS

0.5

1

2

0

6

5

4

3

2

1

0

0

1

2

3

4

5

6

■

ATLAS

--□--

Herwig 7.2.0 default

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Sherpa 2.1.1 default

ATLAS\_2010\_S8894728

Rivet 3.1.0,  $\geq 5.4$ M events

mcplots.cern.ch [arXiv:1306.3436]

2

1

0.5

0

 $p_T$  (leading track) [GeV]

0

5

10

15

20