

2760 GeV pp

Underlying Event

Average Charged Particle Density (TRNSMAX) ( $|\eta_j| < 2.0, |\eta| < 2.0, p_T > 0.5$ ) $\langle N \rangle / [\Delta\eta\Delta(\Delta\phi)]$ 

- CMS
- △— Pythia 6.428 370
- - □ - - Pythia 6.428 391
- - ■ - - Pythia 6.428 default
- ▲— Pythia 8.212 default

5

4

3

2

1

0

CMS\_2015\_I1385107

Rivet 3.1.0,  $\geq 7.4M$  events

mcplots.cern.ch [arXiv:1306.3436]

Ratio to CMS

0.5

1

2

2

0.5

1

0

50

100

 $p_T$  (leading track-jet) [GeV]