

200 GeV pp

Underlying Event

Average Charged Particle Density(AWAY)

- STAR
- ▲ Pythia 8.170 default
- ◻ Pythia 8.170 tune-4cx

Rivet 3.1.0, ≥ 7.1 M events

mcplots.cern.ch [arXiv:1306.3436]

(STAR_2009_UE_HELEN)

 $\langle N_{\text{ch}} \rangle / \text{jet area}$

2

1

0.5

Ratio to STAR

0.5

1

2

10

20

30

40

 p_{T} (leading jet) / GeV