

200 GeV pp

Underlying Event

Average Charged Particle Density(AWAY)

- STAR
- ▲ Pythia 8.180 default
- -▲ Pythia 8.180 default-CD
- ⋯▲ Pythia 8.180 default-MBR

Rivet 3.1.0, ≥ 7.3M events

mcplots.cern.ch [arXiv:1306.3436]

(STAR\_2009\_UE\_HELEN)

 $\langle N_{ch} \rangle / \text{jet area}$ 12  
10  
8  
6  
4  
2  
0

Ratio to STAR

2  
1  
0.5

10

20

30

40

 $p_T(\text{leading jet}) / \text{GeV}$ 

2

1

0.5