

200 GeV pp

Underlying Event

Average Charged Particle Density(AWAY)

- STAR
- - □ Herwig 7.2.0 default
- - ▲ Pythia 8.180 default
- - ◆ Sherpa 1.4.5 default

Rivet 3.1.0, ≥ 5.7M 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 $p_T(\text{leading jet}) / \text{GeV}$ 2
1
0.5