

200 GeV pp

Underlying Event

Average Charged Particle Density(AWAY)

- STAR
- - □ Herwig 7.2.0 default
- · · · ◆ Sherpa 2.2.8 default

Rivet 3.1.0, ≥ 5.7M events

mcplots.cern.ch [arXiv:1306.3436]

(STAR_2009_UE_HELEN)

 $\langle N_{\text{ch}} \rangle / \text{jet area}$ 12
10
8
6
4
2
012
10
8
6
4
2
0

Ratio to STAR

2
1
0.52
1
0.5

10

20

30

40

 p_{T} (leading jet) / GeV