

200 GeV pp

Underlying Event

Average Charged Particle Density(AWAY)

- STAR
- ▲ Pythia 6.423 a
- ▼ Pythia 6.423 dw
- Pythia 6.423 p0
- ☆ Pythia 6.423 pro-q2o

Rivet 3.1.0,  $\geq 7.1$ M 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  
0.52  
1  
0.5 $p_T$  (leading jet) / GeV