

900 GeV pp

Underlying Event

 $N_{ch} (p_T > 3)$ Rivet 3.1.10,  $\geq 2.5$ M events

mcplots.cern.ch [arXiv:1306.3436]

 $1/\sigma \, d\sigma/dN_{ch}$ 

1

 $10^{-1}$  $10^{-2}$  $10^{-3}$  $10^{-4}$ 

CMS



Herwig 7.2.1 default



Pythia 6.428 370



Pythia 8.308 default



Sherpa 2.2.9 default

CMS\_2011\_S9120041

Ratio to CMS

2

1

0.5

2

1

0.5

 $N_{ch}$ 

0

5

10

15