

7000 GeV pp

Underlying Event

 $N_{ch} (p_T > 3)$ Rivet 3.1.10, $\geq 500k$ events

mcplots.cern.ch [arXiv:1306.3436]

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

1

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

■ CMS

---□--- Herwig 7.2.1 default

- - - ◆ - - - Sherpa 1.2.2p default

CMS_2011_S9120041

Ratio to CMS

2

1

0.5

2

1

0.5

0

10

20

30

 N_{ch} 