

7000 GeV pp

NSD

 P_n Charged hadron multiplicity, $p_T > 500$ {GeV}, $|\eta| < 2.4$, $\sqrt{s} = 7$ {TeV} 10^{-1} 10^{-2} 10^{-3} 10^{-4} 10^{-5} 10^{-6}

■ CMS

—▲ Pythia 8.315 default

- - ▼ Pythia 8.315 tune-AU2

- · · ◇ Pythia 8.315 tune-AU2lox

- · · □ Pythia 8.315 tune-AU2loxx

—★ Pythia 8.315 tune-AU2m

(CMS_2011_I879315)

Rivet 4.1.0, ≥ 2 M events

mcplots.cern.ch [arXiv:1306.3436]

Ratio to CMS

2

1

0.5

2

1

0.5

0

50

100

 n 