

2360 GeV pp

NSD

 $P_n$ Charged hadron multiplicity,  $p_T > 500$  {GeV},  $|\eta| < 2.4$ ,  $\sqrt{s} = 2.36$  {TeV}

1  
 $10^{-1}$   
 $10^{-2}$   
 $10^{-3}$   
 $10^{-4}$   
 $10^{-5}$   
 $10^{-6}$   
 $10^{-7}$

■ CMS  
- - ■ Pythia 6.426 default  
- - ▲ Pythia 8.315 default

(CMS\_2011\_I879315)

Rivet 4.1.0,  $\geq 400k$  events  
mcplots.cern.ch [arXiv:2401.10621]

Ratio to CMS

2  
1  
0.5

2  
1  
0.5

0

20

40

60

 $n$ 