

7000 GeV pp

Soft QCD

 $\# \langle p_T \# \rangle$  [GeV]Mean  $p_T$ , charged particle jets,  $p_T^{\text{ch.jet}} > 5 \text{ GeV}$ ,  $|\eta^{\text{ch.jet}}| < 1.9$ 

- CMS
- ▲ Pythia 8.315 default
- Pythia 8.315 tune-A14-CTEQL1
- - - Pythia 8.315 tune-A14-MSTW2008LO
- ⋯ Pythia 8.315 tune-A14-NNPDF2.3LO
- - Δ Pythia 8.315 tune-CUETP8S1

Rivet 4.1.0,  $\geq 100k$  events

mcplots.cern.ch [arXiv:1306.3436]

(CMS\_2013\_I1261026)

Ratio to CMS

2

1

0.5

 $N_{\text{ch}}$ 

0

50

100