

7000 GeV pp

Soft QCD

Mean  $p_T$ , all charged particles $\# \langle p_T \rangle$  [GeV]

- CMS
- ▲ Pythia 8.315 default
- -● Pythia 8.315 tune-2c
- -○ Pythia 8.315 tune-2m

Rivet 4.1.0,  $\geq 100k$  events

mcplots.cern.ch [arXiv:2401.10621]

(CMS\_2013\_I1261026)

Ratio to CMS

2

1

0.5

 $N_{ch}$ 

0

50

100