

7000 GeV pp

Soft QCD

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

- CMS
- △— Pythia 6.428 370
- -□- - Pythia 6.428 391
- -■- - Pythia 6.428 default
- ▲— Pythia 8.186 default

Rivet 4.1.0, ≥ 100k events

mcplots.cern.ch [arXiv:1306.3436]

(CMS\_2013\_I1261026)

Ratio to CMS

2

1

0.5

 $N_{ch}$ 

0

50

100