

7000 GeV pp

Soft QCD

 $\langle p_T \rangle$  [GeV]Average  $p_T$  vs  $N_{ch}$  ( $p_T^{ch} > 0.25$ ,  $p_T^j > 0.25$ ,  $|\eta| < 1.9$ , leading in-jet charged particles)

- CMS
- ▲ Pythia 8.308 default
- ▲ Pythia 8.308 default-noFsr
- ▲ Pythia 8.308 default-noRap

7

6

5

4

3

2

1

2

1

0.5

Ratio to CMS

0

50

100

 $N_{ch}$ 

CMS\_2013\_I1261026

Rivet 3.1.10,  $\geq 2.3M$  events

mcplots.cern.ch [arXiv:1306.3436]

2

1

0.5