

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 6.428 370
- - -■- - - Pythia 6.428 default
- ▲— Pythia 8.308 default

8  
7  
6  
5  
4  
3  
2Rivet 3.1.10,  $\geq 2M$  events

mcplots.cern.ch [arXiv:1306.3436]

CMS\_2013\_I1261026

Ratio to CMS

2  
1  
0.52  
1  
0.5

0

50

100

 $N_{ch}$ 