

7000 GeV pp

Soft QCD

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

- CMS
- Pythia 6.428 350
- △— Pythia 6.428 370
- △— Pythia 6.428 380
- Pythia 6.428 p0
- - □ - - Pythia 6.428 p2010

Rivet 3.1.10,  $\geq 2.3M$  events

mcplots.cern.ch [arXiv:1306.3436]

CMS\_2013\_I1261026

Ratio to CMS

2

1

0.5

 $N_{ch}$ 