

7000 GeV pp

Soft QCD

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

- CMS
- ▲ Pythia 8.212 default
- Pythia 8.212 tune-A14-CTEQL1
- - - Pythia 8.212 tune-A14-MSTW2008LO
- ⋯ Pythia 8.212 tune-A14-NNPDF2.3LO
- - - △ Pythia 8.212 tune-CUETP8S1

Rivet 3.1.10, $\geq 300k$ events

mcplots.cern.ch [arXiv:1306.3436]

CMS_2013_I1261026

Ratio to CMS

2

1

0.5

 N_{ch} 