

7000 GeV pp

NSD

Average  $p_T$  vs  $N_{ch}$  (NSD)

- CMS
- ▲ Pythia 8.209 default
- ▲ Pythia 8.209 default-noFsr
- ▲ Pythia 8.209 default-noRap

Rivet 3.1.0,  $\geq 7.1M$  events

mcplots.cern.ch [arXiv:1306.3436]

CMS\_2011\_S8884919

2

Ratio to CMS

1

0.5

n

