

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

- CMS
- ▲ Pythia 6.423 a
- ▼ Pythia 6.423 dw
- Pythia 6.423 p0
- ☆ Pythia 6.423 pro-q2o

Rivet 3.1.0,  $\geq 6.9M$  events

mcplots.cern.ch [arXiv:1306.3436]

CMS\_2011\_S8884919

2

1

0.5

n

 $\langle p_T \rangle$  [GeV]

1.2

1

0.8

0.6

0.4

0.2

2

1

0.5

Ratio to CMS

0

20

40

60

80