

8000 GeV pp

Jets

Average  $N_{\text{ch}}$  ( $p_{\text{T}} > 2$ , forward,  $|\eta| < 2.1$ )

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

Rivet 3.1.0,  $\geq 6.8\text{M}$  events

mcplots.cern.ch [arXiv:1306.3436]

ATLAS\_2016\_I1419070

 $\langle n_{\text{charged}} \rangle$ 

50

40

30

20

10

0

2

1

0.5

2

0.5

0

500

1000

1500

Jet  $p_{\text{T}}$  [GeV]

Ratio to ATLAS

Jet $p_{\text{T}}$ [GeV]	ATLAS $\langle n_{\text{charged}} \rangle$	Pythia 6.423 a $\langle n_{\text{charged}} \rangle$	Pythia 6.423 dw $\langle n_{\text{charged}} \rangle$	Pythia 6.423 p0 $\langle n_{\text{charged}} \rangle$	Pythia 6.423 pro-q2o $\langle n_{\text{charged}} \rangle$
100	5	5	5	5	5
200	7	7	7	7	7
300	9	9	9	9	9
400	10	11	10	10	10
450	11	15	11	12	10
500	12	5	19	14	12
600	13	22	10	10	10
700	14	10	10	10	10
800	15	10	10	10	10
900	16	10	10	10	10
1000	16	10	10	10	10
1100	16	10	10	10	10
1200	16	10	10	10	10
1300	16	10	10	10	10
1400	16	10	10	10	10
1500	16	10	10	10	10
1600	16	10	10	10	10
1700	16	10	10	10	10