

7000 GeV pp

Jets

 N_{jet} vs Δy (LJ) ($180 < p_T < 210$) N_{jet}

5

4

3

2

1

0

2

1

0.5

- ATLAS
- △ Pythia 6.428 370
- Pythia 6.428 default
- ▲ Pythia 8.308 default

ATLAS_2011_S9126244

Rivet 3.1.10, $\geq 2.3\text{M}$ events

mcplots.cern.ch [arXiv:1306.3436]

Ratio to ATLAS

2

$|\Delta y|$

$ \Delta y $	ATLAS N_{jet}	Pythia 6.428 370 N_{jet}	Pythia 6.428 default N_{jet}	Pythia 8.308 default N_{jet}	Ratio to ATLAS (Pythia 6.428 370)	Ratio to ATLAS (Pythia 6.428 default)	Ratio to ATLAS (Pythia 8.308 default)
0.2	0.1	0.1	0.1	0.1	1.0	1.0	1.0
0.6	0.2	0.3	0.2	0.2	1.5	0.8	1.0
1.2	0.4	0.5	0.4	0.4	1.4	0.9	1.1
1.8	0.6	0.7	0.5	0.6	1.4	0.9	1.2
2.4	0.8	0.9	0.7	0.8	1.4	0.9	1.2
3.0	1.0	1.1	0.9	1.0	1.3	0.9	1.2
3.6	1.2	1.3	1.0	1.2	1.1	0.8	1.1
4.2	1.4	1.5	1.1	1.4	1.1	0.8	1.1
4.8	1.5	1.7	1.2	1.5	1.1	0.9	1.0
5.4	2.0	1.4	1.2	1.6	0.7	0.6	0.8