

7000 GeV pp

Jets

 $\overline{N}_{\text{jet}}$ N_{jet} vs Δy (FB) ($70 < p_T < 90$ ($Q_0 = \overline{p_T}$))

- ATLAS
- - □ Herwig 7.2.0 default
- - ▲ Pythia 8.205 default
- - ◆ Sherpa 1.3.0 default

1

0.8

0.6

0.4

0.2

0

2

1

0.5

Rivet 3.1.0, ≥ 5.4 M events

mcplots.cern.ch [arXiv:1306.3436]

ATLAS_2011_S9126244

Ratio to ATLAS

2

1

0.5

0

1

2

3

4

5

6

$|\Delta y|$

$ \Delta y $	ATLAS $\overline{N}_{\text{jet}}$	Herwig 7.2.0 $\overline{N}_{\text{jet}}$	Pythia 8.205 $\overline{N}_{\text{jet}}$	Sherpa 1.3.0 $\overline{N}_{\text{jet}}$	Herwig Ratio to ATLAS	Pythia Ratio to ATLAS
0.2	0.01	0.01	0.01	0.01	0.8	1.0
0.7	0.04	0.04	0.04	0.04	0.9	1.1
1.2	0.07	0.07	0.07	0.07	0.9	1.0
1.7	0.10	0.10	0.10	0.09	1.0	1.1
2.2	0.13	0.13	0.13	0.11	1.1	1.1
2.7	0.16	0.16	0.16	0.14	1.1	1.1
3.2	0.19	0.20	0.20	0.18	1.1	1.1
3.7	0.23	0.25	0.25	0.20	1.1	1.1
4.2	0.27	0.30	0.30	0.23	1.1	1.1
4.7	0.33	0.35	0.33	0.24	1.1	1.0
5.2	0.39	0.40	0.37	0.32	1.0	0.9
5.7	0.44	0.45	0.40	0.34	1.0	0.9