

7000 GeV pp

Jets

Gap fraction

Gap fraction vs Δy (FB) ($70 < p_T < 90$ ($Q_0 = \overline{p_T}$))

- ATLAS
- ▲ Pythia 8.308 default
- ▼ Pythia 8.308 vincia-default

2

1.8

1.6

1.4

1.2

1.0

0.8

0.6

0.4

0.2

2

1

0.5

0

Rivet 3.1.10, $\geq 100k$ events

mcplots.cern.ch [arXiv:1306.3436]

ATLAS_2011_S9126244

Ratio to ATLAS

2

1

0.5

0

2

4

6

$|\Delta y|$

$ \Delta y $	ATLAS Gap Fraction	Pythia 8.308 default Gap Fraction	Pythia 8.308 vincia-default Gap Fraction	Ratio to ATLAS
0.3	1.00	0.98	0.98	1.00
0.8	0.95	0.94	0.96	1.00
1.3	0.93	0.92	0.94	1.00
1.8	0.92	0.91	0.93	1.00
2.3	0.89	0.88	0.90	1.00
2.8	0.87	0.86	0.88	1.00
3.3	0.83	0.80	0.83	1.00
3.8	0.80	0.78	0.82	1.00
4.3	0.75	0.81	0.76	1.00
4.8	0.71	0.66	0.76	1.00
5.3	0.64	0.64	0.77	1.00
5.8	0.61	0.61	0.72	1.00