

Gap fraction

Gap fraction vs Δy (FB) ($90 < p_T < 120$ ($Q_0 = \bar{p}_T$))

- ATLAS
- ▲ Pythia 8.170 default
- ▲ Pythia 8.170 default-CD
- ▲ Pythia 8.170 default-MBR

2.5

2

1.5

1

0.5

0

ATLAS_2011_S9126244

Rivet 3.1.0, $\geq 100k$ events

mcplots.cern.ch [arXiv:1306.3436]

Ratio to ATLAS

2

1

0.5

2

1

0.5

0

2

4

6

$|\Delta y|$

$ \Delta y $	ATLAS Gap Fraction	Pythia 8.170 default Gap Fraction	Pythia 8.170 default-CD Gap Fraction	Pythia 8.170 default-MBR Gap Fraction	Ratio to ATLAS (ATLAS)	Ratio to ATLAS (Pythia 8.170 default)	Ratio to ATLAS (Pythia 8.170 default-CD)	Ratio to ATLAS (Pythia 8.170 default-MBR)
0.5	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
1.0	0.95	0.95	0.95	1.0	1.0	1.0	1.0	1.0
1.5	0.9	0.9	0.9	1.0	1.0	1.0	1.0	1.0
2.0	0.9	0.9	0.9	1.0	1.0	1.0	1.0	1.0
2.5	0.85	0.85	0.85	0.3	1.0	0.85	0.85	0.3
3.0	0.8	0.8	0.7	1.0	1.0	0.8	0.7	1.0
3.5	0.75	0.75	0.75	0.5	1.0	0.75	0.75	0.5
4.0	0.7	0.7	0.65	0.7	1.0	0.7	0.65	0.7
4.5	0.65	0.65	0.6	1.0	1.0	0.65	0.6	1.0
5.0	0.6	0.45	0.65	0.6	1.0	0.45	0.65	0.6
5.5	0.55	0.85	0.6	1.0	1.0	0.85	0.6	1.0