

Gap fraction

Gap fraction vs  $\Delta y$  (FB) ( $210 < p_T < 240$  ( $Q_0 = \bar{p}_T$ ))

- ATLAS
- Herwig 7.2.0 default
- ▲ Pythia 8.135 default
- ◆ Sherpa 1.4.2 default

2

1.5

1

0.5

0

ATLAS\_2011\_S9126244

Rivet 3.1.0,  $\geq 100$ k 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	Herwig 7.2.0	Pythia 8.135	Sherpa 1.4.2
0.5	1.0	1.0	1.0	0.95
1.0	0.95	1.0	0.95	0.95
1.5	0.95	0.95	0.95	0.95
2.0	0.9	0.85	0.95	0.9
2.5	0.85	0.85	0.8	0.95
3.0	0.8	0.75	0.8	0.85
3.5	0.8	0.65	0.75	0.65
4.0	0.7	0.65	0.75	0.5
4.5	0.45	0.4	-	-
5.0	0.3	-	-	-
5.5	0.0	-	-	-