

Gap fraction

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

- ATLAS
- - □ Herwig 7.2.0 default
- - ▲ Pythia 8.230 default
- - ◆ Sherpa 1.4.0 default

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

0.5

0

2

4

6

$|\Delta y|$

The figure displays two panels sharing a common x-axis representing the absolute rapidity difference $|\Delta y|$ from 0 to 6. The top panel shows the 'Gap fraction' on the y-axis (0 to 2.5). The bottom panel shows the 'Ratio to ATLAS' on the y-axis (0.5 to 2). Both panels include data points with error bars for ATLAS (black squares), Herwig 7.2.0 (green squares), Pythia 8.230 (blue triangles), and Sherpa 1.4.0 (red diamonds). The top panel also includes a legend. The bottom panel includes a histogram showing the distribution of the ratio to ATLAS, with yellow and green shaded regions. A horizontal line is drawn at a ratio of 1.0. The text 'ATLAS_2011_S9126244' is present in the top panel, and 'Rivet 3.1.0, $\geq 100k$ events' and 'mcplots.cern.ch [arXiv:1306.3436]' are on the right side.