

Gap fraction

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

- ATLAS
- Herwig 7.2.0 default
- ◆ Sherpa 2.2.4 default

2

1.5

1

0.5

0

Rivet 3.1.0, $\geq 100k$ events

mcplots.cern.ch [arXiv:1306.3436]

ATLAS_2011_S9126244

Ratio to ATLAS

2

1

0.5

2

1

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, with data points and error bars for ATLAS (black squares), Herwig 7.2.0 default (green dashed line with squares), and Sherpa 2.2.4 default (red dotted line with diamonds). The bottom panel shows the ratio of the gap fraction to the ATLAS data, with a horizontal line at 1.0 and a shaded region representing the uncertainty or spread of the data. The shaded region is colored in shades of green and yellow, indicating the range of values relative to the ATLAS data.