

Gap fraction

Gap fraction vs p_T (LJ) ($3 < \Delta y < 4$)

- ATLAS
- Herwig 7.0.1 default
- ▲ Pythia 8.170 default
- ◆ Sherpa 2.2.8 default

2.5

2.0

1.5

1.0

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

$\overline{P_T}$ [GeV]

The figure displays the gap fraction and its ratio to the ATLAS measurement as a function of the average jet transverse momentum ($\overline{P_T}$) for $3 < \Delta y < 4$ at 7000 GeV pp collisions. The top panel shows the gap fraction, and the bottom panel shows the ratio to ATLAS. Data points are shown for ATLAS (black squares), Herwig 7.0.1 default (green squares), Pythia 8.170 default (blue triangles), and Sherpa 2.2.8 default (red diamonds). A horizontal line is drawn at a ratio of 1.0. The x-axis is labeled $\overline{P_T}$ [GeV] and ranges from 0 to 500. The plot includes a legend and a reference to ATLAS_2011_S9126244.