

7000 GeV pp

Jets

Gap fraction

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

- ATLAS
- Pythia 6.427 350
- ▲ Pythia 6.427 351
- ▼ Pythia 6.427 352
- △ Pythia 6.427 353
- Pythia 6.427 354
- ☆ Pythia 6.427 355
- Pythia 6.427 356
- ◆ Pythia 6.427 357
- Pythia 6.427 358
- Pythia 6.427 359

2.5

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 comparing ATLAS data with various Pythia 6.427 models for gap fraction and ratio to ATLAS as a function of $|\Delta y|$ (0 to 6). The top panel shows the gap fraction, and the bottom panel shows the ratio to ATLAS. The ATLAS data is represented by black squares, and the Pythia models are represented by various colored symbols and line styles. The bottom panel includes a shaded region around a ratio of 1.0, indicating the ATLAS data range.