

7000 GeV pp

Jets

Gap fraction

Gap fraction vs Δy (LJ) ($150 < p_T < 180$)

1.8
1.6
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0
-0.2
-0.4
-0.6
-0.8
-1.0
-1.2
-1.4
-1.6
-1.8

■ ATLAS
 ○ Herwig++ (Def)
 □ Herwig 7 (Def)
 ■ Pythia 6 (Def)
 ▲ Pythia 8 (Def)
 ◆ Sherpa (Def)

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Herwig 7.1, Herwig 7.2.0, Pythia 6.428, Pythia 8.301, Sherpa 2.2.8

Rivet 3.1.0, $\geq 100k$ events

mcplots.cern.ch (arXiv:1306.3436)

Ratio to ATLAS

0.5

1

2

0

2

4

6

 $|\Delta y|$

0.5

1

2