

7000 GeV pp

Jets

Gap fraction

Gap fraction vs  $\Delta y$  (LJ) ( $120 < p_T < 150$ )

1.8  
1.6  
1.4  
1.2  
1.0  
0.8  
0.6  
0.4  
0.2  
0

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

ATLAS\_2011\_S9126244

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

2  
1  
0.5

0 2 4 6  
 $|\Delta y|$

2

1

0.5

