

Gap fraction

Gap fraction vs Δy (LJ) ($240 < p_T < 270$)

- ATLAS
- Herwig 7.2.0 default
- ▲ Pythia 8.210 default
- ◆ Sherpa 2.2.4 default

2

1.5

1

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

1

0.5

0

2

4

6

$|\Delta y|$

| $ \Delta y $ | ATLAS | Herwig 7.2.0 | Pythia 8.210 | Sherpa 2.2.4 |
|--------------|-------|--------------|--------------|--------------|
| 0.3 | 0.95 | 0.95 | 0.95 | 0.95 |
| 0.8 | 0.78 | 0.80 | 0.78 | 0.78 |
| 1.3 | 0.65 | 0.68 | 0.62 | 0.62 |
| 1.8 | 0.55 | 0.58 | 0.58 | 0.48 |
| 2.3 | 0.48 | 0.48 | 0.48 | 0.45 |
| 2.8 | 0.38 | 0.40 | 0.35 | 0.40 |
| 3.3 | 0.35 | 0.35 | 0.35 | 0.35 |
| 3.8 | 0.32 | 0.30 | 0.32 | 0.32 |
| 4.3 | 0.32 | 0.20 | 0.45 | 0.22 |
| 4.8 | 0.35 | - | 0.40 | - |
| 5.8 | 0.0 | - | - | - |