

900 GeV ppbar

Soft QCD

b

- UA5
- - □ Herwig 7.2.0 default
- - ▲ Pythia 8.170 default
- - ◆ Sherpa 1.2.2p default

1.2

1

0.8

0.6

0.4

0.2

UA5_1988_S1867512

Rivet 3.1.0, ≥ 100k events

mcplots.cern.ch [arXiv:1306.3436]

a

2

Ratio to UA5

0.5

0

2

4

6

Central gap size $\Delta \eta$

2

1

0.5

| Central gap size $\Delta \eta$ | UA5 (Ratio to UA5) | Herwig 7.2.0 (Ratio to UA5) | Pythia 8.170 (Ratio to UA5) | Sherpa 1.2.2p (Ratio to UA5) |
|--------------------------------|--------------------|-----------------------------|-----------------------------|------------------------------|
| 0 | 1.0 | 0.95 | 1.0 | 1.0 |
| 1 | 1.0 | 0.9 | 1.05 | 1.0 |
| 2 | 1.0 | 0.9 | 1.1 | 1.05 |
| 3 | 1.0 | 0.9 | 1.15 | 1.15 |
| 4 | 1.0 | 0.85 | 1.15 | 1.15 |
| 5 | 1.0 | 1.0 | 1.4 | 1.4 |
| 6 | 1.0 | 1.6 | 1.9 | 1.9 |