

13000 GeV pp

Jets

 $\Delta\phi(jj)$ (CMS back-to-back jets)

- CMS
- Herwig++ 2.7.1 default
- Herwig 7.2.1 default

Rivet 4.1.0, ≥ 100k events

mcplots.cern.ch [arXiv:1306.3436]

(CMS_2019_I1719955)

Ratio to CMS

0.25
0.2
0.15
0.1
0.05
0

3

2

1

0.5

Rivet 4.1.0, ≥ 100k events

mcplots.cern.ch [arXiv:1306.3436]

2

1

0.5

170

175

180

1.2

1.0

0.8

0.6

0.4

0.3

0.2

0.1

0.0

-0.1

-0.2

-0.3

-0.4

-0.5

-0.6

-0.7

-0.8

-0.9

-1.0

-1.1

-1.2

-1.3

-1.4

-1.5

-1.6

-1.7

-1.8

-1.9

-2.0

-2.1

-2.2

-2.3

-2.4

-2.5

-2.6

-2.7

-2.8

-2.9

-3.0

-3.1

-3.2

-3.3

-3.4

-3.5

-3.6

-3.7

-3.8

-3.9

-4.0

-4.1

-4.2

-4.3

-4.4

-4.5

-4.6

-4.7

-4.8

-4.9

-5.0

-5.1

-5.2

-5.3

-5.4

-5.5

-5.6

-5.7

-5.8

-5.9

-6.0

-6.1

-6.2

-6.3

-6.4

-6.5

-6.6

-6.7

-6.8

-6.9

-7.0

-7.1

-7.2

-7.3

-7.4

-7.5

-7.6

-7.7

-7.8

-7.9

-8.0

-8.1

-8.2

-8.3

-8.4

-8.5

-8.6

-8.7

-8.8

-8.9

-9.0

-9.1

-9.2

-9.3

-9.4

-9.5

-9.6

-9.7

-9.8

-9.9

-10.0

-10.1

-10.2

-10.3

-10.4

-10.5

-10.6

-10.7

-10.8

-10.9

-11.0

-11.1

-11.2

-11.3

-11.4

-11.5

-11.6

-11.7

-11.8

-11.9

-12.0

-12.1

-12.2

-12.3

-12.4

-12.5

-12.6

-12.7

-12.8

-12.9

-13.0

-13.1

-13.2

-13.3

-13.4

-13.5

-13.6

-13.7

-13.8

-13.9

-14.0

-14.1

-14.2

-14.3

-14.4

-14.5

-14.6

-14.7

-14.8

-14.9

-15.0

-15.1

-15.2

-15.3

-15.4

-15.5

-15.6

-15.7

-15.8

-15.9

-16.0

-16.1

-16.2

-16.3

-16.4

-16.5

-16.6

-16.7

-16.8

-16.9

-17.0

-17.1

-17.2

-17.3

-17.4

-17.5

-17.6

-17.7

-17.8

-17.9

-18.0

-18.1

-18.2

-18.3

-18.4

-18.5

-18.6

-18.7

-18.8

-18.9

-19.0

-19.1

-19.2

-19.3

-19.4

-19.5

-19.6

-19.7

-19.8

-19.9

-20.0

-20.1

-20.2

-20.3

-20.4

-20.5

-20.6

-20.7

-20.8

-20.9

-21.0

-21.1

-21.2

-21.3

-21.4

-21.5

-21.6

-21.7

-21.8

-21.9

-22.0

-22.1

-22.2

-22.3

-22.4

-22.5

-22.6

-22.7

-22.8

-22.9

-23.0

-23.1

-23.2

-23.3

-23.4

-23.5

-23.6

-23.7

-23.8

-23.9

-24.0

-24.1

-24.2

-24.3

-24.4

-24.5

-24.6

-24.7

-24.8

-24.9

-25.0

-25.1

-25.2

-25.3

-25.4

-25.5

-25.6

-25.7

-25.8

-25.9

-26.0

-26.1

-26.2

-26.3

-26.4

-26.5

-26.6

-26.7

-26.8

-26.9

-27.0

-27.1

-27.2

-27.3

-27.4

-27.5

-27.6

-27.7

-27.8

-27.9

-28.0

-28.1

-28.2

-28.3

-28.4

-28.5

-28.6

-28.7

-28.8

-28.9

-29.0

-29.1

-29.2

-29.3

-29.4

-29.5

-29.6

-29.7

-29.8

-29.9

-30.0

-30.1

-30.2

-30.3

-30.4

-30.5

-30.6

-30.7

-30.8

-30.9

-31.0

-31.1

-31.2

-31.3

-31.4

-31.5

-31.6

-31.7

-31.8

-31.9

-32.0

-32.1

-32.2

-32.3

-32.4

-32.5

-32.6

-32.7

-32.8

-32.9

-33.0

-33.1

-33.2

-33.3

-33.4

-33.5