

91.2 GeV ee

 γ^*/Z (Hadronic)

Difference in Charged multiplicity between c and uds events

- SLD
- ▲— Pythia 8.315 default
- - * - - Pythia 8.315 hoeth
- . . ▲ - . Pythia 8.315 jetset
- - ○ - - Pythia 8.315 montull
- Pythia 8.315 tune-cmw

Rivet 4.1.0, ≥ 100k events

mcplots.cern.ch [arXiv:1306.3436]

(SLD_2004_I630327)

Ratio to SLD

2

1

0.5

 $E_{\text{CMS}}/\text{GeV}$ δ_{bl}

2.2

2

1.8

1.6

1.4

1.2

1

0.8

0.6

0.4

0.2

0

-0.2

-0.4

-0.6

-0.8

-1

-1.2

-1.4

-1.6

-1.8

-2

-2.2

-2.4

-2.6

-2.8

-3

-3.2

-3.4

-3.6

-3.8

-4

-4.2

-4.4

-4.6

-4.8

-5

-5.2

-5.4

-5.6

-5.8

-6

-6.2

-6.4

-6.6

-6.8

-7

-7.2

-7.4

-7.6

-7.8

-8

-8.2

-8.4

-8.6

-8.8

-9

-9.2

-9.4

-9.6

-9.8

-10

-10.2

-10.4

-10.6

-10.8

-11

-11.2

-11.4

-11.6

-11.8

-12

-12.2

-12.4

-12.6

-12.8

-13

-13.2

-13.4

-13.6

-13.8

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-14.2

-14.4

-14.6

-14.8

-15

-15.2

-15.4

-15.6

-15.8

-16

-16.2

-16.4

-16.6

-16.8

-17

-17.2

-17.4

-17.6

-17.8

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-18.2

-18.4

-18.6

-18.8

-19

-19.2

-19.4

-19.6

-19.8

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-20.2

-20.4

-20.6

-20.8

-21

-21.2

-21.4

-21.6

-21.8

-22

-22.2

-22.4

-22.6

-22.8

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-23.2

-23.4

-23.6

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-24.2

-24.4

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-25.2

-25.4

-25.6

-25.8

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-26.2

-26.4

-26.6

-26.8

-27

-27.2

-27.4

-27.6

-27.8

-28

-28.2

-28.4

-28.6

-28.8

-29

-29.2

-29.4

-29.6

-29.8

-30

-30.2

-30.4

-30.6

-30.8

-31

-31.2

-31.4

-31.6

-31.8

-32

-32.2

-32.4

-32.6

-32.8

-33

-33.2

-33.4

-33.6

-33.8

-34

-34.2

-34.4

-34.6

-34.8

-35

-35.2

-35.4

-35.6

-35.8

-36

-36.2

-36.4

-36.6

-36.8

-37

-37.2

-37.4

-37.6

-37.8

-38

-38.2

-38.4

-38.6

-38.8

-39

-39.2

-39.4

-39.6

-39.8

-40