

900 GeV pp

Soft QCD

 $\bar{\Lambda}/K^0_S$ vs $|y|$ ($0.65 < p_T < 1.00$ GeV)

- LHCb
- ▲ Pythia 8.308 default
- Pythia 8.308 tune-A14-CTEQL1
- - - Pythia 8.308 tune-A14-MSTW2008LO
- ⋯ Pythia 8.308 tune-A14-NNPDF2.3LO
- - Δ Pythia 8.308 tune-CUETP8S1

Rivet 3.1.10, ≥ 100k events

mcplots.cern.ch [arXiv:1306.3436]

LHCb_2011_I917009

Ratio to LHCb

Rapidity (y)

2

1

0.5

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

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2.5

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2.7

2.8

2.9

3.0

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4.0

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4.9

5.0

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7.0

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8.0

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8.9

9.0

9.1

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9.9

10.0

10.1

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10.9

11.0

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11.8

11.9

12.0

12.1

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13.0

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18.0

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19.0

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19.9

20.0

20.1

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21.0

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30.0

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32.0

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33.0

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33.8

33.9

34.0

34.1