

7000 GeV pp

 $b\bar{b}$ $\eta(\text{b-jet})$ (with LEP fragmentation fractions)

- LHCb
- △ Pythia 6.428 370
- -□ Pythia 6.428 391
- · -■ Pythia 6.428 default
- ▲ Pythia 8.180 default

 $d\sigma(\text{pp} \rightarrow H_b X) / d\eta [\mu\text{b}]$

70

60

50

40

30

20

10

0

LHCb_2010_I867355

Rivet 3.1.10, ≥ 300k events

mcplots.cern.ch [arXiv:1306.3436]

Ratio to LHCb

2

1

0.5

2

1

0.5

 $\eta(H_b)$

2

3

4

5

6