

7000 GeV pp

b $\bar{b}$ $\eta(\text{b-jet})$ (with LEP fragmentation fractions) $d\sigma(\text{pp} \rightarrow \text{H}_b \text{X}) / d\eta [\mu\text{b}]$

- LHCb
- △ Pythia 6.428 370
- -▲ Pythia 6.428 371
- -▼ Pythia 6.428 372
- ··· Pythia 6.428 376

70

60

50

40

30

20

10

0

LHCb_2010_I867355

Rivet 3.1.10, $\geq 2.3\text{M}$ events

mcplots.cern.ch [arXiv:1306.3436]

Ratio to LHCb

2

1

0.5

2

1

0.5

 $\eta(\text{H}_b)$

2

3

4

5

6