

7000 GeV pp

 $b\bar{b}$ Charged Particle $\eta$  Distribution (with LEP fragmentation fractions)

■ LHCb

···♦ Sherpa 1.4.2 default

 $d\sigma(pp \rightarrow H_b X) / d\eta [\mu b]$  $10^3$  $10^2$  $10$ 

Rivet 3.1.0, 6.3M events

mcplots.cern.ch [arXiv:1306.3436]

LHCb\_2010\_I867355

Ratio to LHCb

1

2

1

0.5

2

1

0.5

2

3

4

5

 $\eta(H_b)$ 