

7000 GeV pp

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

- LHCb
- △ Pythia 6.428 370
- -■ Pythia 6.428 default

 $d\sigma(pp \rightarrow H_b X) / d\eta$  [ $\mu\text{b}$ ]Rivet 3.1.0,  $\geq 14\text{M}$  events

mcplots.cern.ch [arXiv:1306.3436]

LHCb\_2010\_I867355

Ratio to LHCb

2  
1  
0.52  
1  
0.52 3 4 5 6  $\eta(H_b)$ 