

7000 GeV pp

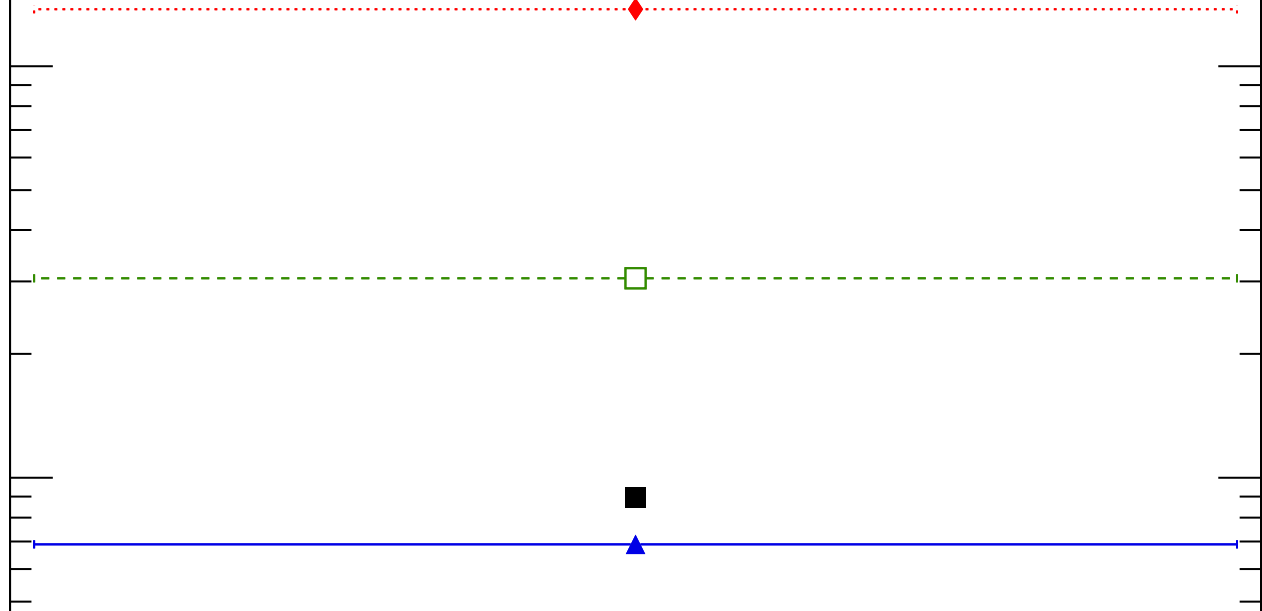
$b\bar{b}$

### Charged Particle $\eta$ Distribution (with Tevatron fragmentation fractions)

- LHCb
- - □ Herwig 7.0.0 default
- - ▲ Pythia 8.180 default
- - ◆ Sherpa 1.4.3 default

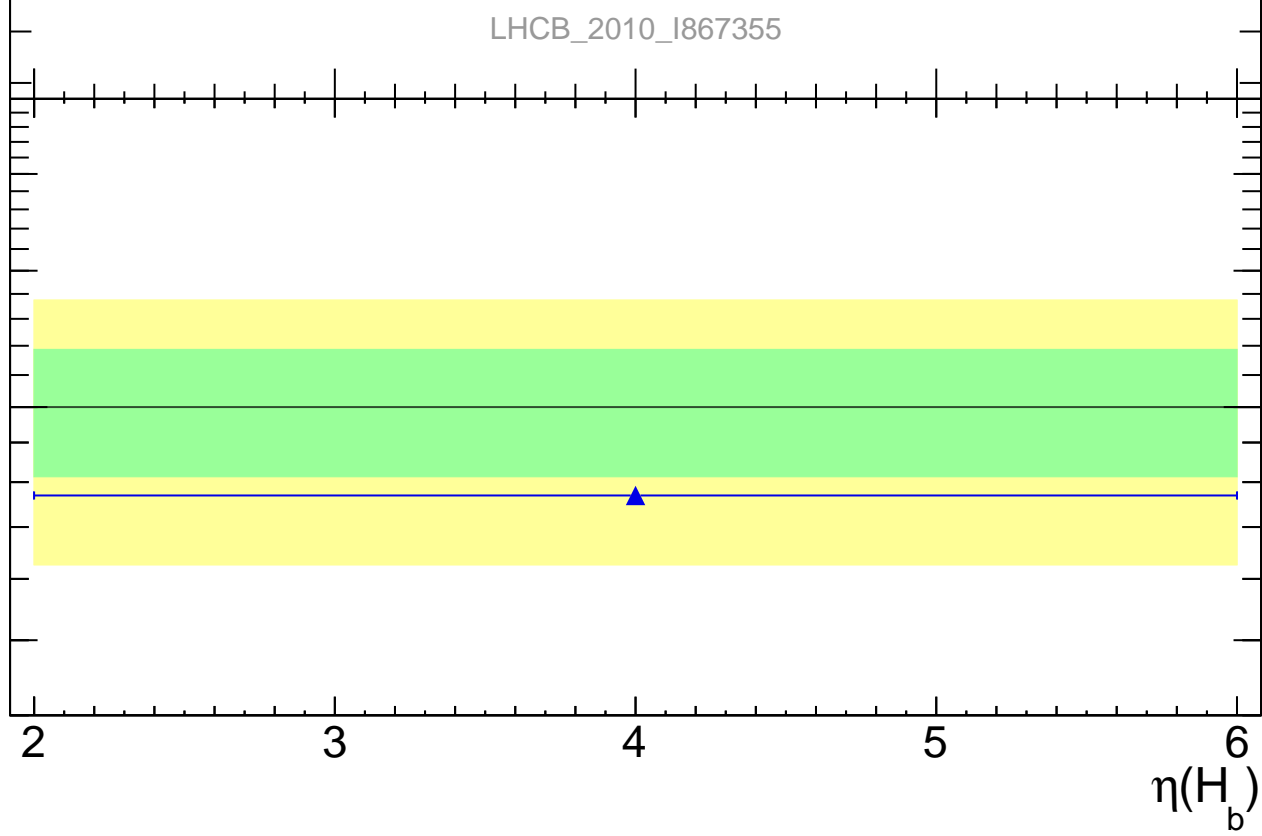
$\sigma(pp \rightarrow H_b X)_{2 < \eta < 6}$  [ $\mu\text{b}$ ]

Rivet 3.1.0,  $\geq 6.3\text{M}$  events  
mcplots.cern.ch [arXiv:1306.3436]



LHCb\_2010\_I867355

Ratio to LHCb



$\eta(H_b)$