

7000 GeV pp

 $b\bar{b}$ Charged Particle η Distribution ($pT_\mu > 6$ GeV)

■ CMS

- - - □ Herwig 7.1.1 default

- ▲ Pythia 8.150 default

- ⬧ Sherpa 2.2.8 default

 $d\sigma/d\eta (pp \rightarrow b + X \rightarrow \mu + X') [nb/GeV]$ 900
800
700
600
500
400
300
200
100
2
1
0.5
0Rivet 3.1.0, $\geq 7.1M$ events
mcplots.cern.ch [arXiv:1306.3436]

2

0.5

Ratio to CMS

-2 -1 0 1 2

Muon η