

7000 GeV pp

b $\bar{b}$ Cross section(cms2011-mu-pt6- $\eta$ 2.1)

- CMS  
—△— Pythia 6.424 ambt1

 $\sigma(pp \rightarrow b + X \rightarrow \mu + X')$  [ $\mu\text{b}$ ]

Rivet 3.1.10, 300k events

mcplots.cern.ch [arXiv:1306.3436]

CMS\_2011\_S8941262

Ratio to CMS

2

1

0.5

 $\sqrt{s}$  [GeV]

3

2.5

2

1.5

1

0.5

0

2

1

0.5

6999.5

7000

7000.5