

7000 GeV pp

 $b\bar{b}$ $\eta^l (\text{pT}_\mu > 6 \text{ GeV})$

- CMS
- Pythia 6.423 p0
- Pythia 6.423 p2010

Rivet 3.1.10, $\geq 500k$ events

mcplots.cern.ch [arXiv:1306.3436]

 $d\sigma/d\eta (pp \rightarrow b + X \rightarrow \mu + X') [\text{nb}/\text{GeV}]$ 900
800
700
600
500
400
300
200
100

CMS_2011_S8941262

Ratio to CMS

0.5
1
2

-2 -1 0 1 2

Muon η