

7000 GeV pp

b **$\bar{b}$** B **$\bar{B}$** production cross-section (leading jet $p_T > 120$ GeV)

■ CMS

---○--- Herwig++ 2.4.2 default

---□--- Herwig 7.2.1 default

 $d\sigma / d\Delta\phi$ [pb] 10^4 10^3 10^2 Rivet 4.1.0, $\geq 600k$ events

mcplots.cern.ch [arXiv:2401.10621]

(CMS_2011_I889807)

Ratio to CMS

2

1

0.5

2

1

0.5

 $\Delta\phi$ between two B hadrons

0

1

2

3