

CMS Preliminary

35.9 fb⁻¹ (13 TeV)

$m_{\tilde{\chi}_1^\pm}$ (GeV)

$pp \rightarrow \tilde{b}_1 \tilde{b}_1^*, \tilde{b}_1 \rightarrow tW\tilde{\chi}_1^0$

NLO+NLL cross section

$m_{\tilde{\chi}_1^0} = 50$ GeV

$m_{\tilde{b}_1} - m_{\tilde{\chi}_1^\pm} = m_W + m_b$

1000

800

600

400

200

300

400

500

600

700

800

900

1000

$m_{\tilde{b}_1}$ (GeV)

3

2

1

0

-1

-2

-3

Significance [σ]

