

35.9 fb⁻¹ (13 TeV)

Events / 100 GeV

CMS

e, bT, HP

▬ Data
▨ Fit unc.
■ m_t bkg.
■ m_W bkg.
■ Lost t/W bkg.
■ q/g bkg.
— 1 TeV $X_{\text{spin-0}}$
— 2.5 TeV $X_{\text{spin-0}}$
 $\sigma B(X \rightarrow \text{HH}) = 0.2 \text{ pb}$

10³10²

10

10⁻¹

Data / fit

3

2.5

2

1.5

1

0.5

1000

1500

2000

2500

3000

3500

4000

 m_{HH} [GeV]