

CMS $35.9 \text{ fb}^{-1} (13 \text{ TeV})$ $m_{H^4} \text{ (GeV)}$ 500
450
400
350
300
250
200
150
100
50

2HDM+a

- Median expected 95% CL
- ⋯ Exp. $\pm 1 \sigma_{\text{experiment}}$
- Observed 95% CL
- ⋯ Obs. $\pm 1 \sigma_{\text{theory}}$

 $\tan\beta \text{ (GeV)}$ Observed $\sigma_{95\% \text{ CL}}/\sigma_{\text{theory}}$ 10^2
 10
 1
 10^{-1}
 10^{-2} 