

35.9 fb^{-1} (13 TeV)

CMS

Preliminary

$m_\phi = 180 \text{ GeV}$



68% CL



95% CL



Best fit



Expected for 125 GeV SM Higgs

$\sigma(\text{bb}\phi) \cdot B(\phi \rightarrow \tau\tau) \text{ (pb)}$

1.6

1.4

1.2

1

0.8

0.6

0.4

0.2

0

0

0.2

0.4

0.6

0.8

1.0

1.2

1.4

1.6

1.8

2

$\sigma(\text{gg}\phi) \cdot B(\phi \rightarrow \tau\tau) \text{ (pb)}$