

$35.9 \text{ fb}^{-1} (13 \text{ TeV})$

CMS

Supplementary

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



68% CL



95% CL



Best fit



Expected for 125 GeV SM Higgs

1.6

1.4

1.2

1

0.8

0.6

0.4

0.2

0

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

0

0.2

0.4

0.6

0.8

1

1.2

1.4

1.6

1.8

2

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