

$\mu\tau_h + e\tau_h + e\mu + \tau_h\tau_h$ 2.3 fb $^{-1}$ (13 TeV)**CMS***Preliminary* $m_\phi = 500 \text{ GeV}$ 

68% CL



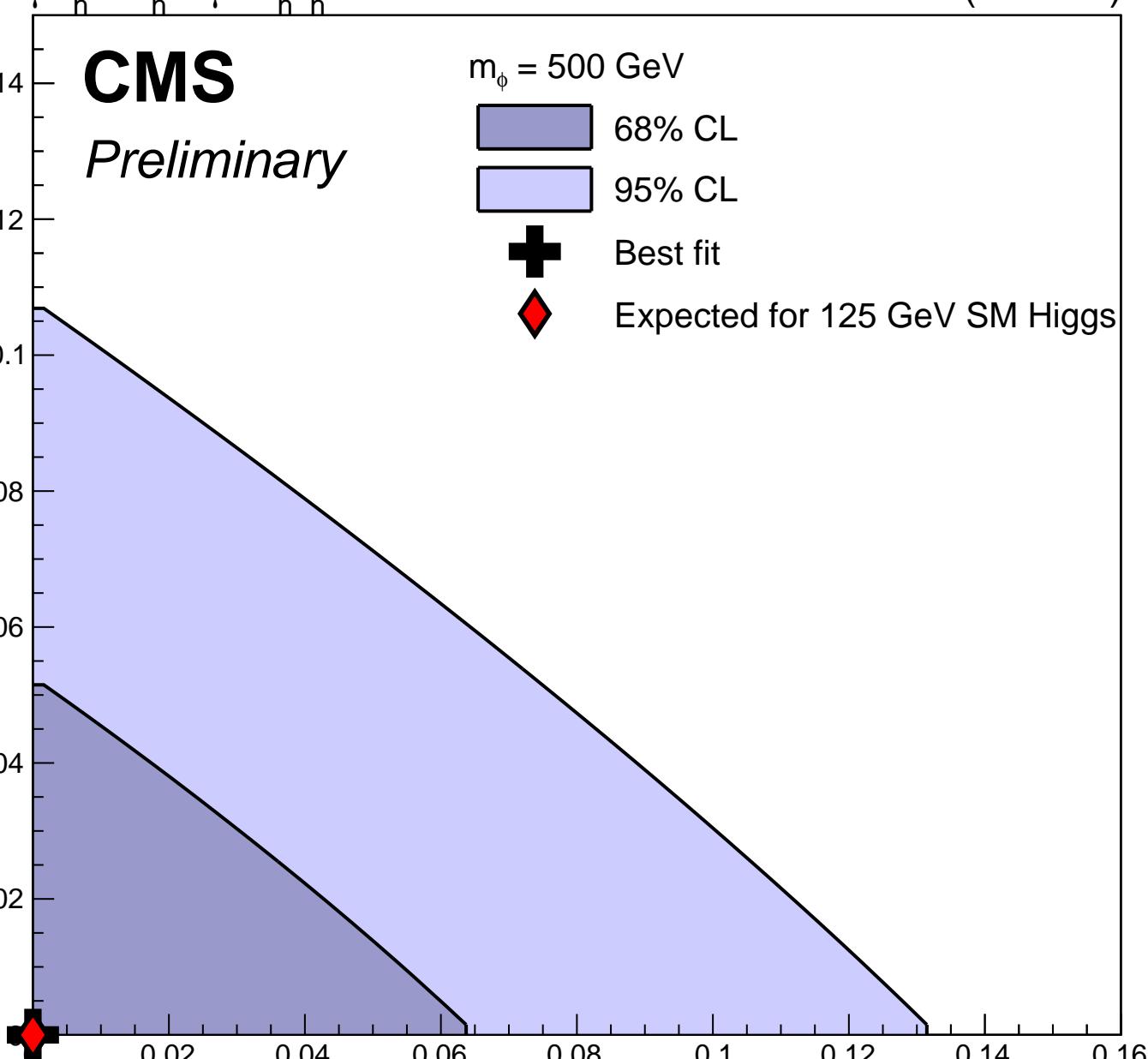
95% CL



Best fit



Expected for 125 GeV SM Higgs

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