

$2.3 \text{ fb}^{-1} (13 \text{ TeV})$ $\mu\tau_h + e\tau_h + e\mu + \tau_h\tau_h$ **CMS**
Preliminary $m_\phi = 800 \text{ GeV}$

68% CL

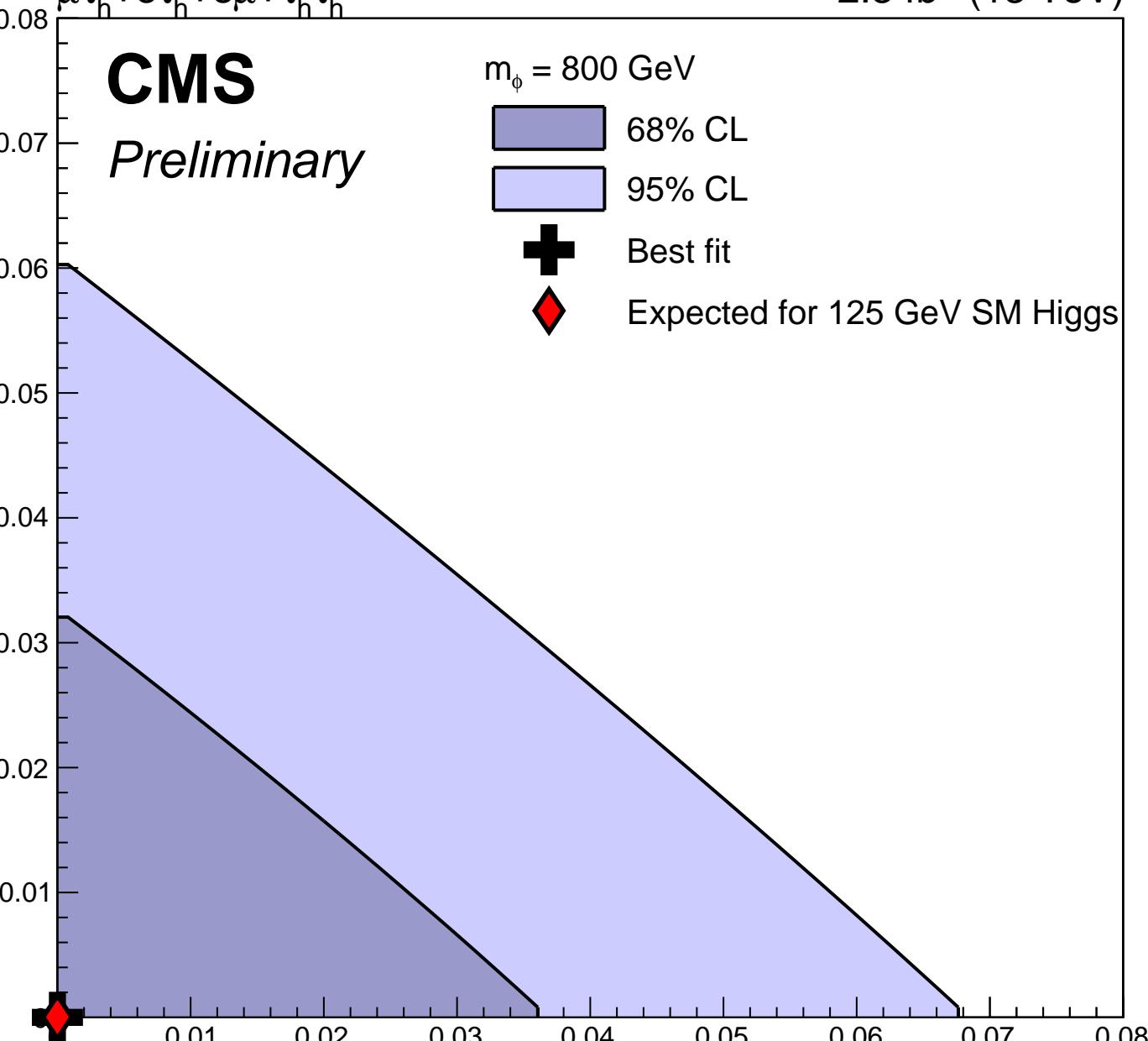
95% CL



Best fit



Expected for 125 GeV SM Higgs

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