

$\mu\tau_h + e\tau_h + e\mu + \tau_h\tau_h$

**CMS**

*Preliminary*

$m_\phi = 2300$  GeV



68% CL



95% CL



Best fit



Expected for 125 GeV SM Higgs

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

0.03  
0.025  
0.02  
0.015  
0.01  
0.005

0.005 0.01 0.015 0.02 0.025 0.03 0.035 0.04

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

