

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

**CMS**

*Preliminary*

$m_\phi = 130$  GeV



68% CL



95% CL



Best fit



Expected for 125 GeV SM Higgs

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

14  
12  
10  
8  
6  
4  
2  
0

0

5

10

15

20

25

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

