

$e\tau_h + \mu\tau_h + \tau_h\tau_h$   $m_H = 550$  GeV137 fb<sup>-1</sup> (13 TeV)**CMS***Supplementary*

● Observed

- - - Expected

68% expected

95% expected

95% CL limit on  $\sigma B(H \rightarrow h(\tau\tau) h_s(bb))$  (pb)10<sup>2</sup>  
10  
1  
10<sup>-1</sup>  
10<sup>-2</sup>  
10<sup>-3</sup>  
10<sup>-4</sup>

70

100

200

300

400

 $m_{h_s}$  (GeV)