

**CMS**

138 fb<sup>-1</sup> (13 TeV)

**HH → Multilepton**

2ℓss  
 μ < 125 (62.8 exp)

3ℓ  
 μ < 59.3 (41.2 exp)

4ℓ  
 μ < 56.7 (76.8 exp)

3ℓ + 1τ<sub>h</sub>  
 μ < 45.7 (63.2 exp)

2ℓ + 2τ<sub>h</sub>  
 μ < 50.3 (62.0 exp)

1ℓ + 3τ<sub>h</sub>  
 μ < 50.9 (48.5 exp)

4τ<sub>h</sub>  
 μ < 50.0 (78.8 exp)

**Combined**  
 μ < 21.3 (19.4 exp)

