

$$\kappa_\lambda = \kappa_t = 1$$

$$\kappa_V = \kappa_{2V} = 1$$

—●— Observed

----- Median expected

68% expected

95% expected

**WW  $\gamma\gamma$**

Expected: 52

Observed: 97

CMS-PAS-HIG-21-014

**bb WW**

Expected: 18

Observed: 14

CMS-PAS-HIG-21-005

**bb ZZ ♣**

Expected: 40

Observed: 32

Acc. by JHEP (2206.10657)

**Multilepton ♣**

Expected: 19

Observed: 21

Acc. by JHEP (2206.10268)

**bb  $\gamma\gamma$  ♣**

Expected: 5.5

Observed: 8.4

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**bb  $\tau\tau$  ♣**

Expected: 5.2

Observed: 3.3

Acc. by PLB (2206.09401)

**bb bb ♣**

Expected: 4.2

Observed: 7.2

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**Comb. of ♣**

Expected: 2.5

Observed: 3.4

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95% CL limit on  $\sigma(\text{pp} \rightarrow \text{HH})/\sigma_{\text{Theory}}$