

Acceptance \times Efficiency

ATLAS Internal

$\sqrt{s} = 13 \text{ TeV}, 140 \text{ fb}^{-1}$

$\text{HH} \rightarrow \text{bb}\gamma\gamma$ HEFT

High Mass 1
High Mass 2
High Mass 3

Low Mass 1
Low Mass 2

Low Mass 3
Low Mass 4

10^{-1}

10^{-2}

10^{-3}

0.14

0.12

0.10

— Sum of categories

..... Excluded at 95% CL

C_{hhh}

