

2.3 fb⁻¹ (13 TeV)

CMS

$Z' \rightarrow \text{DM} + \text{H} (2\text{HDM})$

$\text{H} \rightarrow \text{bb} + \text{H} \rightarrow \gamma\gamma$

$g_{Z'} = 0.8$

● observed

-- expected

● $m_{A0} = 300 \text{ GeV}$

● $m_{A0} = 400 \text{ GeV}$

● $m_{A0} = 500 \text{ GeV}$

● $m_{A0} = 600 \text{ GeV}$

● $m_{A0} = 700 \text{ GeV}$

● $m_{A0} = 800 \text{ GeV}$

$\sigma_{95\% \text{ CL}} / \sigma_{\text{th}}$

10²

10

1

10⁻¹

