

2.3 fb⁻¹ (13 TeV)**CMS** $Z' \rightarrow \text{DM} + H(b\bar{b})$ (2HDM)

● 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

500

1000

1500

2000

2500

 $m_{Z'} [\text{GeV}]$