

CMS35.9 fb⁻¹ (13 TeV) m_A [GeV]700
650
600
550
500
450
400
350
300Z'-2HDM, $Z' \rightarrow \text{DM} + h(\gamma\gamma + \tau\tau)$ Dirac DM, $m_{\text{DM}} = 100$ GeV $g_{Z'} = 0.8$, $g_{\text{DM}} = 1.0$

- Observed 95% CL
- - - - Expected 95% CL
- ± 1 s.d.

 $\sigma_{95\% \text{ CL}} / \sigma_{\text{th}}$ 10²
10
1

600

800

1000

1200

1400

1600

1800

2000

 $m_{Z'}$ [GeV]