



Run2

138 fb⁻¹ (13 TeV) $-\mathcal{C}_G^{\mathcal{O}_G}$ **CMS***Private Work***positive ALP-SM interference**

----- Expected 95% CL upper limit

 Expected $\pm 1\sigma$  Expected $\pm 2\sigma$

- - - - - Expected 95% CL upper limit (PRD 104, 092013)

 Expected $\pm 1\sigma$ (PRD 104, 092013) Expected $\pm 2\sigma$ (PRD 104, 092013) Observed (PRD 104, 092013)10³10²

10

1

2

4

6

8

10

 f_a [TeV]