

CMS

138 fb⁻¹ (13 TeV)

Type-X 2HDM
Alignment
Scenario
 $m_\phi = 100$ GeV

95% CL excluded:



Observed



Expected



Previously excluded



68% expected



95% expected

95% CL allowed:



Muon g-2 preferred

$\tan\beta$

200

180

160

140

120

100

10

1

Linear

Log

60

80

100

120

140

160

m_A (GeV)

