

36-137 fb<sup>-1</sup> (13 TeV)

**CMS**

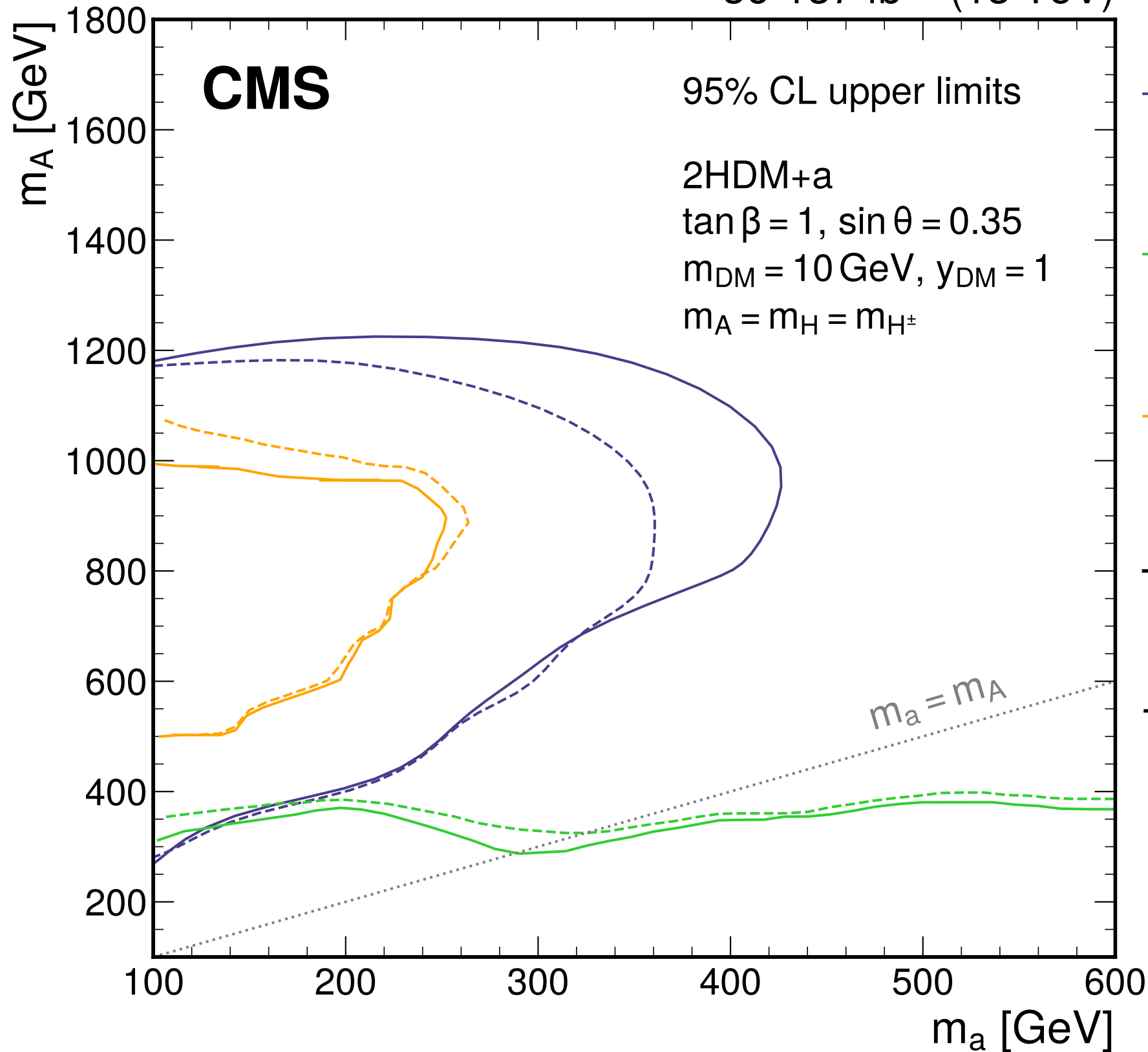
95% CL upper limits

2HDM+a

$\tan \beta = 1, \sin \theta = 0.35$

$m_{\text{DM}} = 10 \text{ GeV}, y_{\text{DM}} = 1$

$m_A = m_H = m_{H^\pm}$



—  $p_T^{\text{miss}} + Z(\ell^+ \ell^-)$ , 137 fb<sup>-1</sup>  
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—  $p_T^{\text{miss}} + j$ , 137 fb<sup>-1</sup>  
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—  $p_T^{\text{miss}} + h(b\bar{b})$ , 36 fb<sup>-1</sup>  
Eur. Phys. J. C 79 (2019) 280

— observed

- - - expected