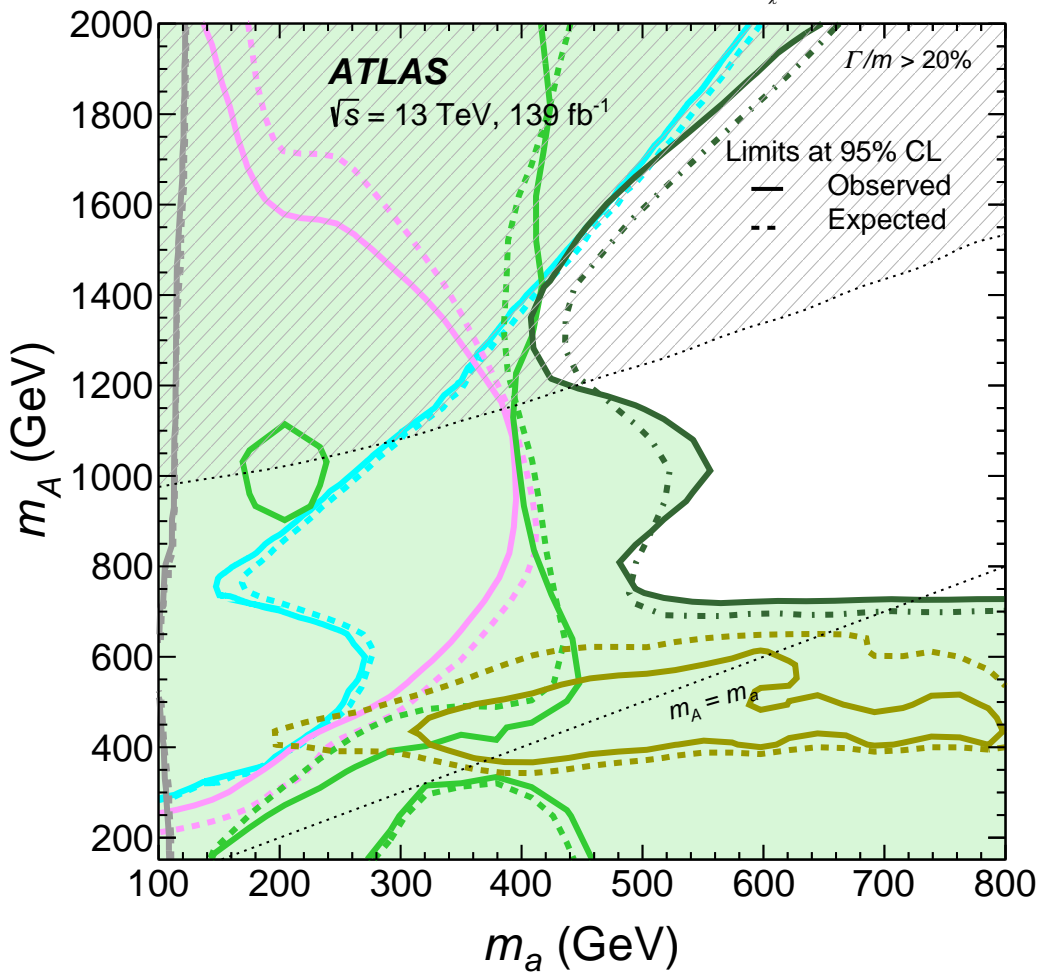


2HDM+a, Dirac DM, $\sin \theta = 0.7$, $\tan \beta = 1$, $m_\chi = 10$ GeV, $g_\chi = 1$, $m_A = m_H = m_{H^\pm}$



- $E_{\text{T}}^{\text{miss}} + h(\gamma\gamma)$, 139 fb $^{-1}$
 JHEP 10 (2021) 13
- $E_{\text{T}}^{\text{miss}} + tW$, 139 fb $^{-1}$
 arXiv:2211.13138
- $E_{\text{T}}^{\text{miss}} + j$, 139 fb $^{-1}$
 PRD 103 (2021) 112006
- $t\bar{t}t\bar{t}$, 139 fb $^{-1}$
 arXiv:2211.01136
- $h \rightarrow \text{invisible}$, 139 fb $^{-1}$
 arxiv:2301.10731
- **Combination**
 $E_{\text{T}}^{\text{miss}} + h(b\bar{b})$, $E_{\text{T}}^{\text{miss}} + Z(\ell\ell)$, $tbH^\pm(tb)$