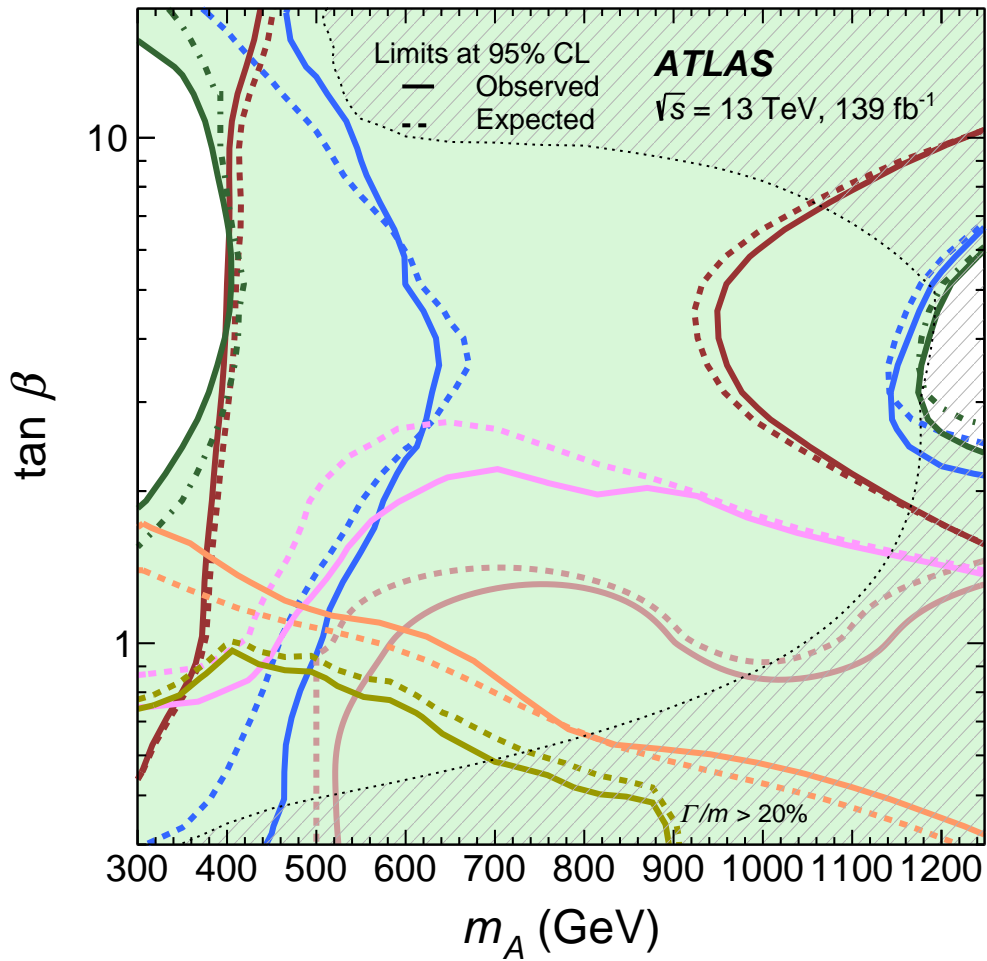


2HDM+a, Dirac DM, $\sin \theta = 0.7$, $m_\chi = 10$ GeV, $g_\chi = 1$, $m_A = m_H = m_{H^\pm}$, $m_a = 250$ GeV



- $E_T^{\text{miss}} + h(b\bar{b})$, 139 fb $^{-1}$
 JHEP 11 (2021) 209
- $E_T^{\text{miss}} + h(\tau\tau)$, 139 fb $^{-1}$
 arXiv:2305.12938
- $E_T^{\text{miss}} + Z(\ell\ell)$, 139 fb $^{-1}$
 PLB 829 (2022) 137066
- $E_T^{\text{miss}} + tW$, 139 fb $^{-1}$
 arXiv:2211.13138
- $tbH^\pm(tb)$, 139 fb $^{-1}$
 JHEP 06 (2021) 145
- $t\bar{t}t\bar{t}$, 139 fb $^{-1}$
 arXiv:2211.01136
- **Combination**
 $E_T^{\text{miss}} + h(b\bar{b})$, $E_T^{\text{miss}} + Z(\ell\ell)$, $tbH^\pm(tb)$