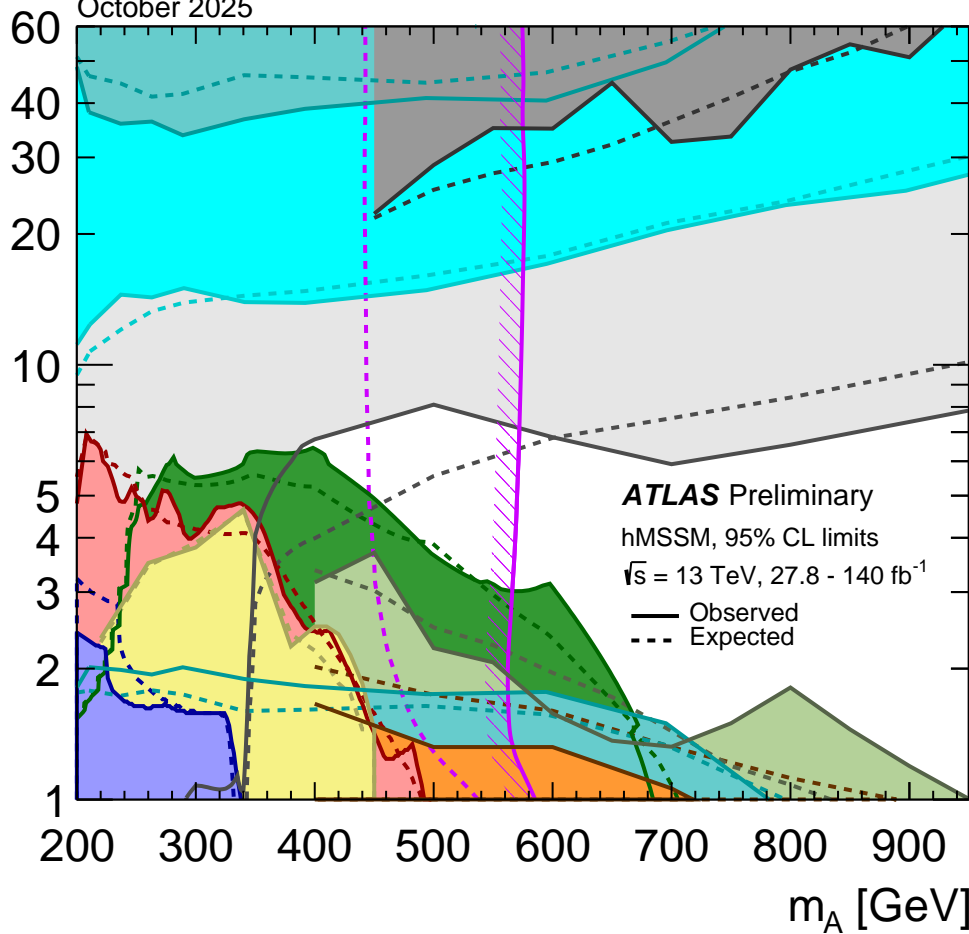


$\tan \beta$ 

October 2025



- $gg/bb \rightarrow H/A, H/A \rightarrow \tau\tau$   
139 fb<sup>-1</sup>  
Phys. Rev. Lett. 125 (2020) 051801
- $H \rightarrow hh \rightarrow 4b/bb\gamma\gamma/bb\tau\tau$   
126 - 139 fb<sup>-1</sup>  
Phys. Rev. Lett. 132 (2024) 231801
- $t(b)H^\pm, H^\pm \rightarrow \tau\nu, 140$  fb<sup>-1</sup>  
Phys. Rev. D 111 (2025) 072006
- $gg \rightarrow H/A, H/A \rightarrow tt, 140$  fb<sup>-1</sup>  
JHEP 08 (2024) 013
- $t(b)H^\pm, H^\pm \rightarrow tb, 139$  fb<sup>-1</sup>  
JHEP 06 (2023) 015
- $ttH/A, H/A \rightarrow tt, 139$  fb<sup>-1</sup>  
Eur. Phys. J. C 85 (2025) 573
- $H \rightarrow ZZ \rightarrow 4l/l\nu\nu, 139$  fb<sup>-1</sup>  
Eur. Phys. J. C 81 (2021) 332
- $A \rightarrow Zh, h \rightarrow bb, 139$  fb<sup>-1</sup>  
JHEP 06 (2023) 016
- $H \rightarrow WW \rightarrow l\nu l\nu, 139$  fb<sup>-1</sup>  
ATLAS-CONF-2022-066
- $b(b)H/A, H/A \rightarrow bb$   
27.8 fb<sup>-1</sup>  
Phys. Rev. D 102 (2020) 032004
- $h$  couplings [ $\kappa_V, \kappa_u, \kappa_d$ ]  
36.1 - 139 fb<sup>-1</sup>  
JHEP 11 (2024) 097