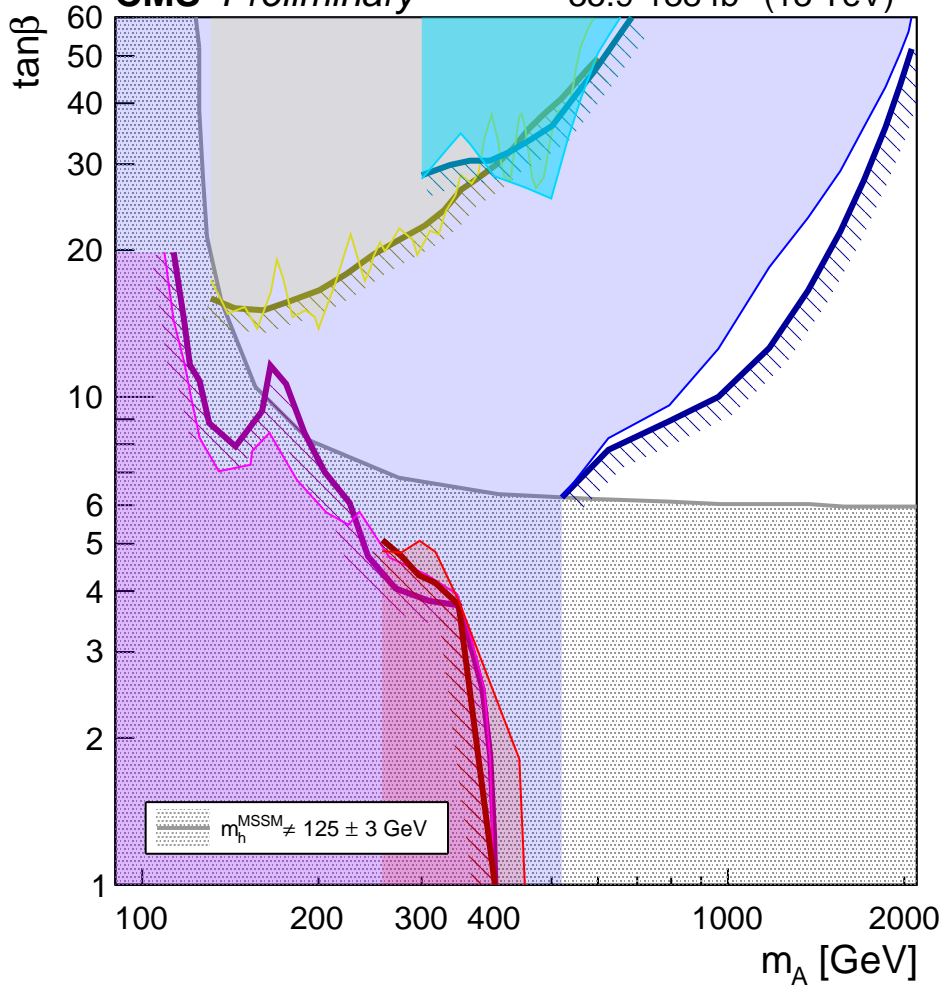


**CMS Preliminary**

35.9-138 fb<sup>-1</sup> (13 TeV)



Observed exclusion 95% CL



Expected exclusion 95% CL



$A/H/h \rightarrow \mu\mu$   
PLB 798 (2019) 134922



$A/H \rightarrow bb$   
JHEP 08 (2018) 113



$A/H/h \rightarrow \tau\tau$   
arxiv:2208.02717 \*



$H \rightarrow WW(2l2\nu)$   
(HIG-20-016) \*



$H \rightarrow hh(bb\gamma\gamma)$   
HIG-21-011 \*

\* 138 fb<sup>-1</sup>