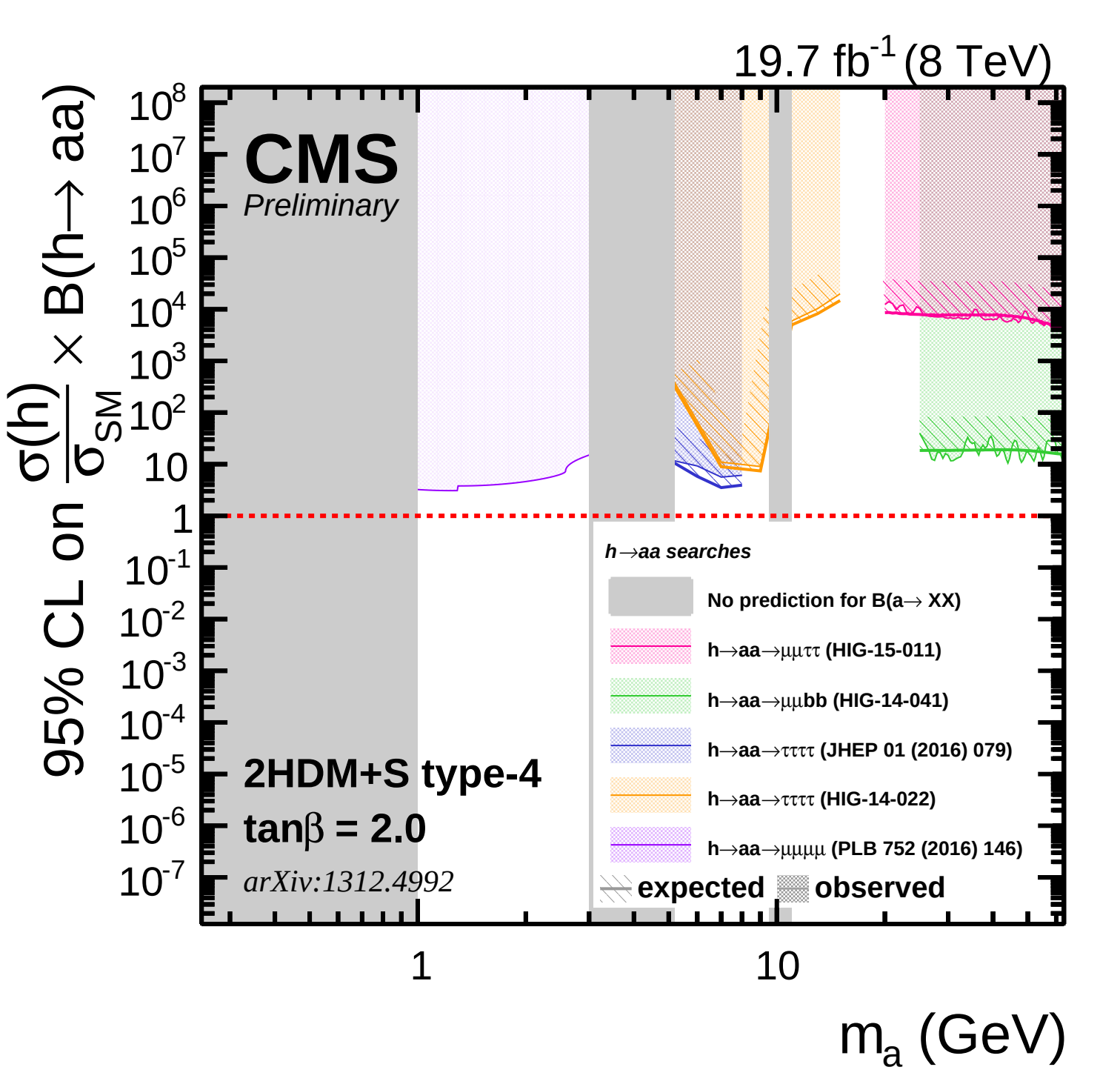
19.7 fb^{-1} (8 TeV)
CMS
Preliminary
95% CL on $\frac{\sigma(h)}{\sigma_{SM}} \times B(h \to aa)$
10^8
10^7
10^6
10^5
10^4
10^3
10^2
10
1
10^{-1}
10^{-2}
10^{-3}
10^{-4}
10^{-5}
10^{-6}
10^{-7}
2HDM+S type-4
tanβ = 2.0
arXiv:1312.4992
h→aa searches
No prediction for B(a→ XX)
h→aa→μμττ (HIG-15-011)
h→aa→μμbb (HIG-14-041)
h→aa→ττττ (JHEP 01 (2016) 079)
h→aa→ττττ (HIG-14-022)
h→aa→μμμμ (PLB 752 (2016) 146)
expected
observed
1
10
m_a (GeV)