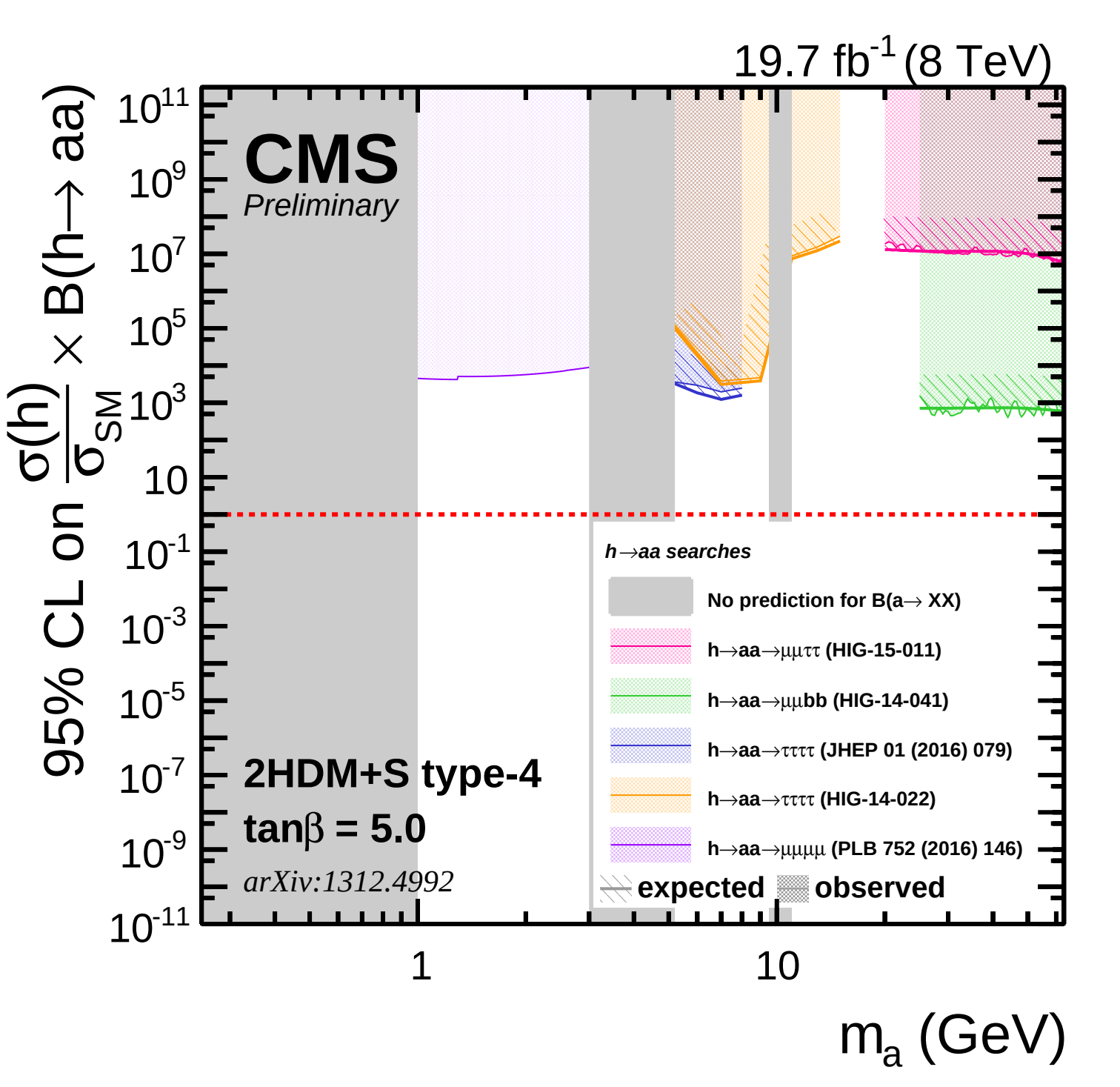
19.7 fb-1 (8 TeV)
CMS
Preliminary
95% CL on σ(h)/σSM × B(h→ aa)
10^11
10^9
10^7
10^5
10^3
10
10^-1
10^-3
10^-5
10^-7
10^-9
10^-11
h→aa searches
No prediction for B(a→ XX)
h→aa→μμττ (HIG-15-011)
h→aa→μμbb (HIG-14-041)
h→aa→ττττ (JHEP 01 (2016) 079)
h→aa→ττττ (HIG-14-022)
h→aa→μμμμ (PLB 752 (2016) 146)
expected
observed
2HDM+S type-4
tanβ = 5.0
arXiv:1312.4992
1
10
ma (GeV)