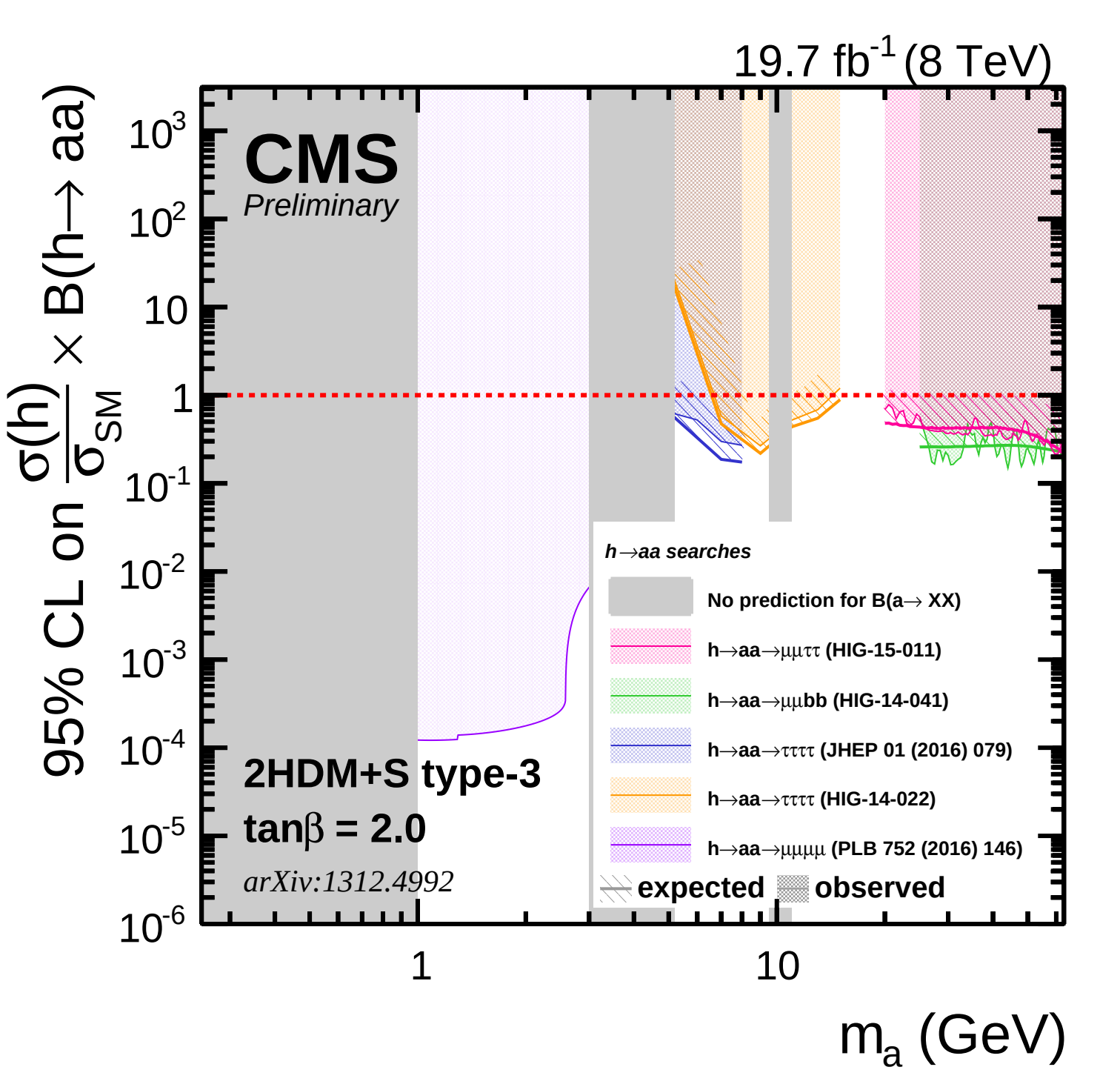
19.7 fb-1 (8 TeV)
CMS
Preliminary
95% CL on σ(h)/σSM × B(h→ aa)
10^3
10^2
10
1
10^-1
10^-2
10^-3
10^-4
10^-5
10^-6
1
10
ma (GeV)
2HDM+S type-3
tanβ = 2.0
arXiv:1312.4992
h→aa searches
No prediction for B(a→ XX)
h→aa→μμττ (HIG-15-011)
h→aa→μμbb (HIG-14-041)
h→aa→ττττ (JHEP 01 (2016) 079)
h→aa→ττττ (HIG-14-022)
h→aa→μμμμ (PLB 752 (2016) 146)
expected
observed