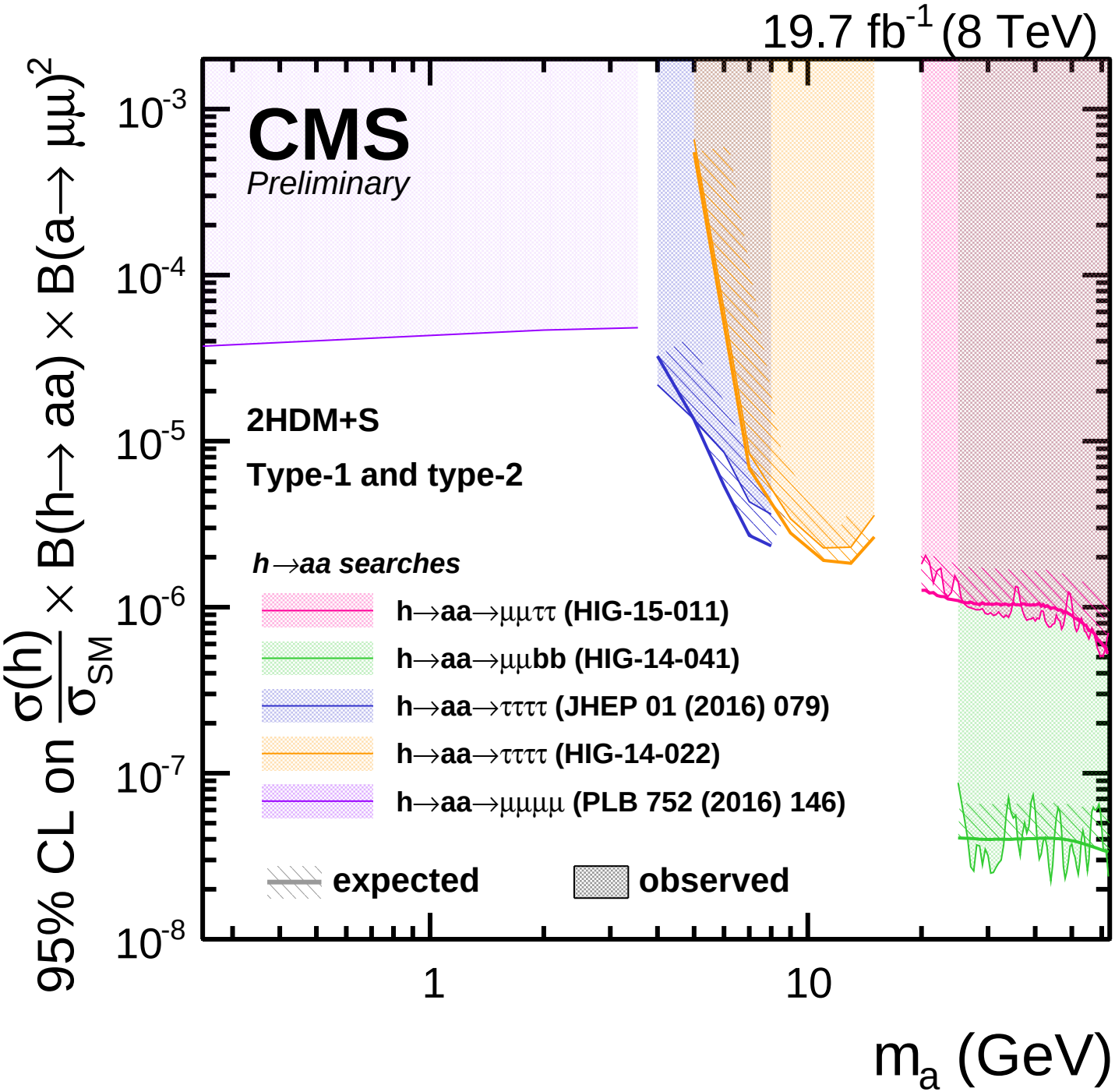
19.7 fb^{-1} (8 TeV)
CMS
Preliminary
2HDM+S
Type-1 and type-2
h→aa searches
h→aa→μμττ (HIG-15-011)
h→aa→μμbb (HIG-14-041)
h→aa→ττττ (JHEP 01 (2016) 079)
h→aa→ττττ (HIG-14-022)
h→aa→μμμμ (PLB 752 (2016) 146)
expected
observed
95% CL on $\frac{\sigma(h)}{\sigma_{SM}} \times B(h \to aa) \times B(a \to \mu\mu)^2$
10^{-3}
10^{-4}
10^{-5}
10^{-6}
10^{-7}
10^{-8}
1
10
m_a (GeV)