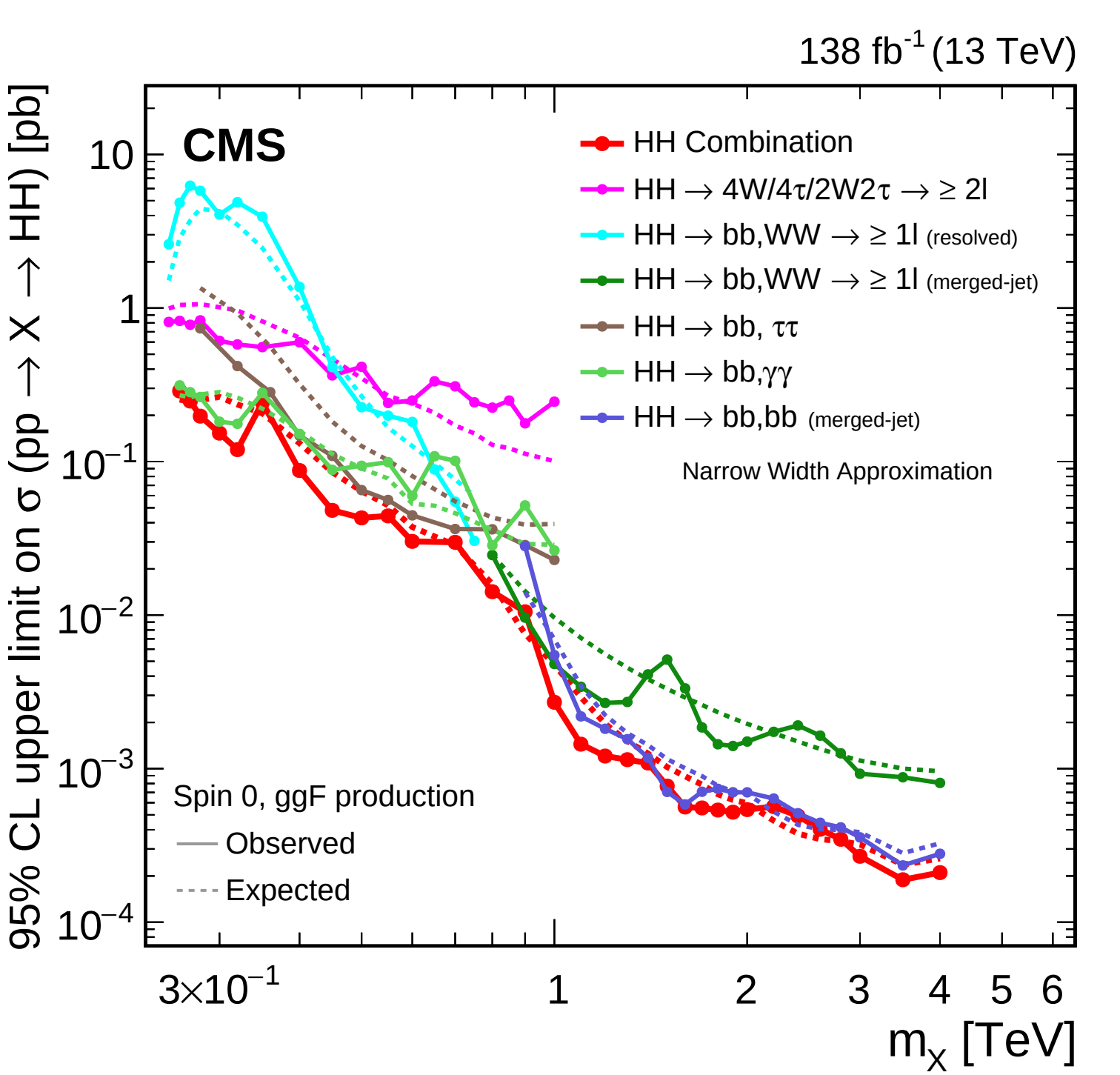
138 fb^{-1} (13 TeV)
CMS
HH Combination
HH → 4W/4τ/2W2τ → ≥ 2l
HH → bb,WW → ≥ 1l (resolved)
HH → bb,WW → ≥ 1l (merged-jet)
HH → bb, ττ
HH → bb,γγ
HH → bb,bb (merged-jet)
Narrow Width Approximation
Spin 0, ggF production
Observed
Expected
95% CL upper limit on σ (pp → X → HH) [pb]
10
1
10^{-1}
10^{-2}
10^{-3}
10^{-4}
3×10^{-1}
1
2
3
4
5
6
m_X [TeV]