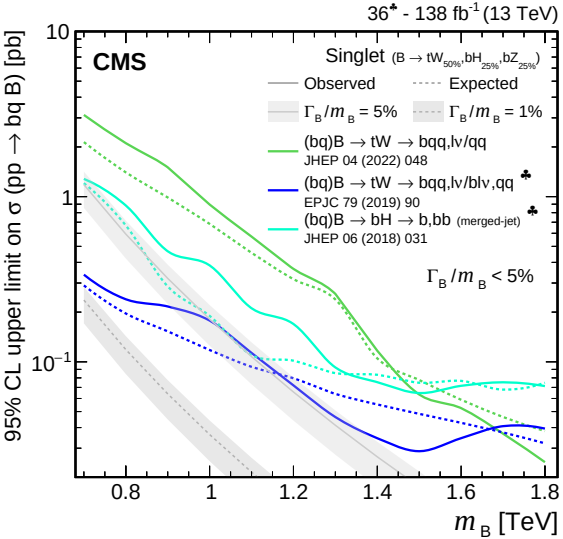
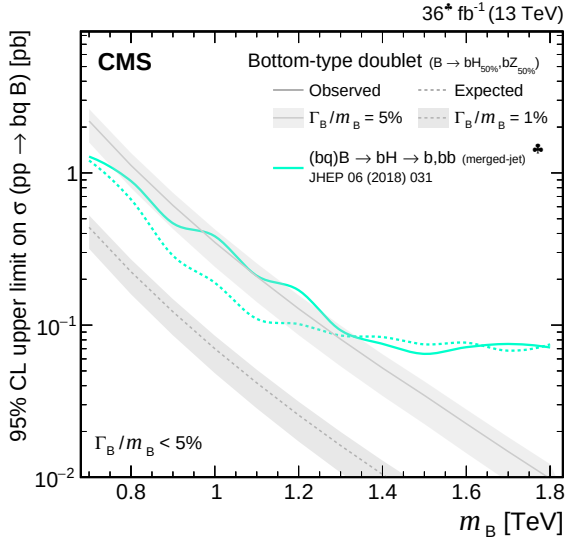
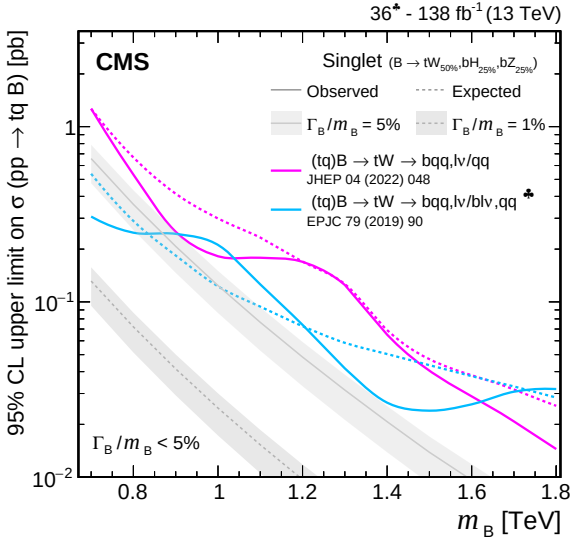

36♣ - 138 fb^{-1} (13 TeV)
CMS
Singlet (B → tW$_{50\%}$,bH$_{25\%}$,bZ$_{25\%}$)
Observed
Expected
Γ_B/m_B = 5%
Γ_B/m_B = 1%
(bq)B → tW → bqq,lv/qq
JHEP 04 (2022) 048
(bq)B → tW → bqq,lv/blv,qq ♣
EPJC 79 (2019) 90
(bq)B → bH → b,bb (merged-jet) ♣
JHEP 06 (2018) 031
Γ_B/m_B < 5%
95% CL upper limit on σ (pp → bq B) [pb]
m_B [TeV]


36♣ fb^{-1} (13 TeV)
CMS
Bottom-type doublet (B → bH$_{50\%}$,bZ$_{50\%}$)
Observed
Expected
Γ_B/m_B = 5%
Γ_B/m_B = 1%
(bq)B → bH → b,bb (merged-jet) ♣
JHEP 06 (2018) 031
Γ_B/m_B < 5%
95% CL upper limit on σ (pp → bq B) [pb]
m_B [TeV]


36♣ - 138 fb^{-1} (13 TeV)
CMS
Singlet (B → tW$_{50\%}$,bH$_{25\%}$,bZ$_{25\%}$)
Observed
Expected
Γ_B/m_B = 5%
Γ_B/m_B = 1%
(tq)B → tW → bqq,lv/qq
JHEP 04 (2022) 048
(tq)B → tW → bqq,lv/blv,qq ♣
EPJC 79 (2019) 90
Γ_B/m_B < 5%
95% CL upper limit on σ (pp → tq B) [pb]
m_B [TeV]