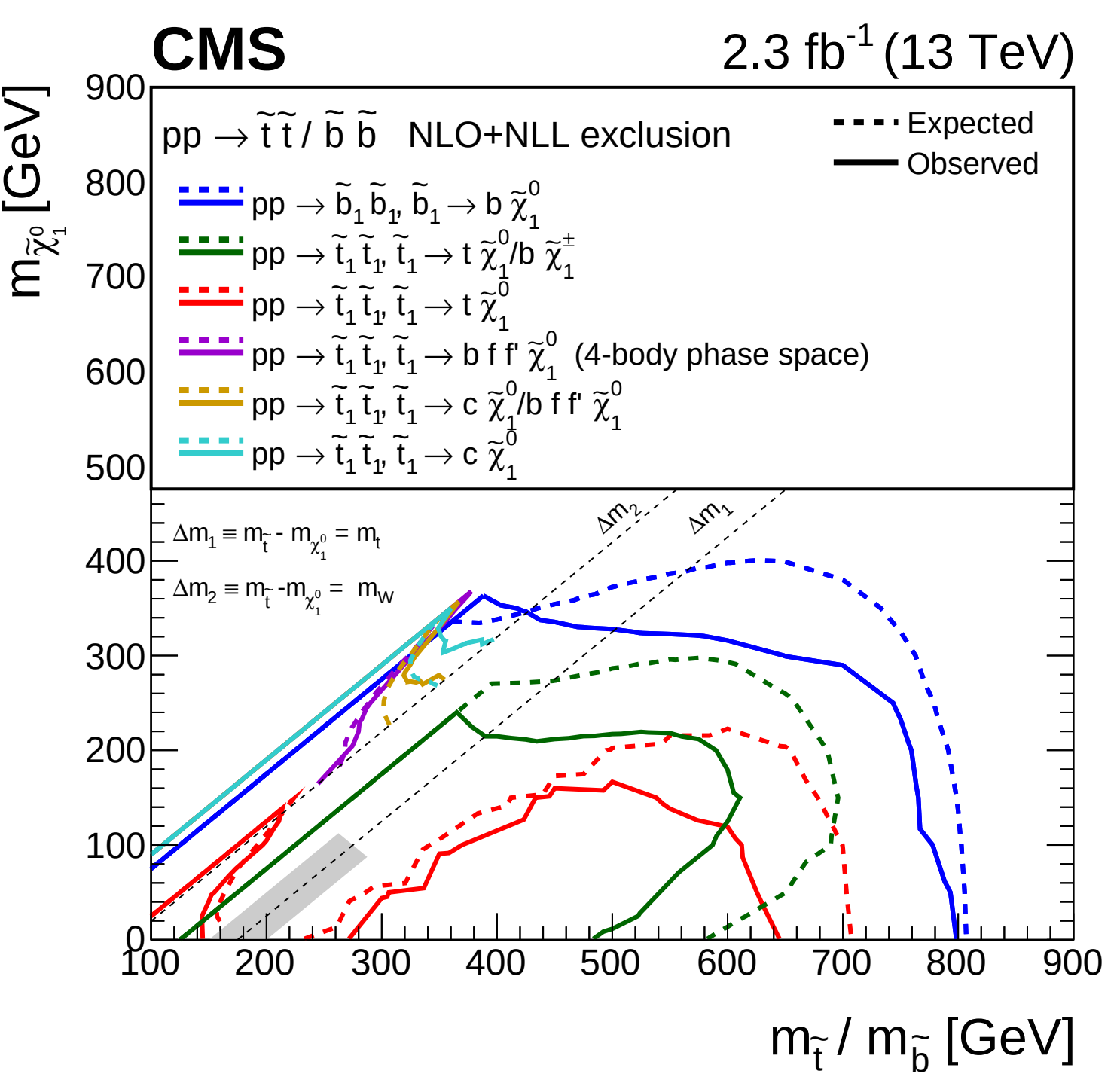
CMS
2.3 fb-1 (13 TeV)
pp → t̃ t̃ / b̃ b̃ NLO+NLL exclusion
Expected
Observed
pp → b̃1 b̃1, b̃1 → b χ̃10
pp → t̃1 t̃1, t̃1 → t χ̃10/b χ̃1±
pp → t̃1 t̃1, t̃1 → t χ̃10
pp → t̃1 t̃1, t̃1 → b f f' χ̃10 (4-body phase space)
pp → t̃1 t̃1, t̃1 → c χ̃10/b f f' χ̃10
pp → t̃1 t̃1, t̃1 → c χ̃10
Δm1 ≡ mt̃ - mχ̃10 = mt
Δm2 ≡ mt̃ - mχ̃10 = mW
Δm2
Δm1
mχ̃10 [GeV]
mt̃ / mb̃ [GeV]
0
100
200
300
400
500
600
700
800
900