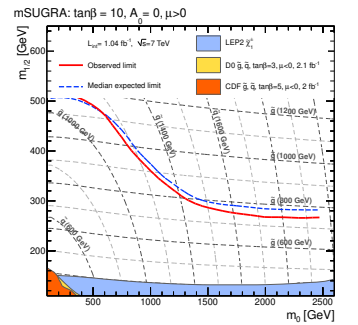
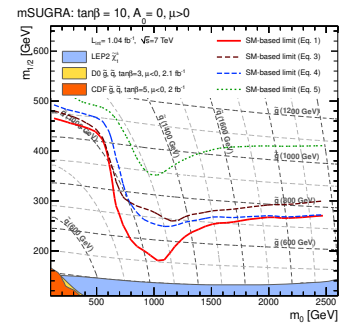

mSUGRA: tanβ = 10, A0 = 0, μ>0
∫Ldt= 1.04 fb-1, √s=7 TeV
Observed limit
Median expected limit
LEP2 χ̃1±
D0 g̃,q̃, tanβ=3, μ<0, 2.1 fb-1
CDF g̃,q̃, tanβ=5, μ<0, 2 fb-1
m1/2 [GeV]
m0 [GeV]
q̃ (2000 GeV)
g̃ (1200 GeV)
g̃ (1000 GeV)
q̃ (1000 GeV)
g̃ (800 GeV)
g̃ (600 GeV)
g̃ (400 GeV)


mSUGRA: tanβ = 10, A0 = 0, μ>0
∫Ldt= 1.04 fb-1, √s=7 TeV
SM-based limit (Eq. 1)
SM-based limit (Eq. 3)
SM-based limit (Eq. 4)
SM-based limit (Eq. 5)
LEP2 χ̃1±
D0 g̃,q̃, tanβ=3, μ<0, 2.1 fb-1
CDF g̃,q̃, tanβ=5, μ<0, 2 fb-1
m1/2 [GeV]
m0 [GeV]
q̃ (2000 GeV)
g̃ (1200 GeV)
g̃ (1000 GeV)
q̃ (1000 GeV)
g̃ (800 GeV)
g̃ (600 GeV)
g̃ (400 GeV)