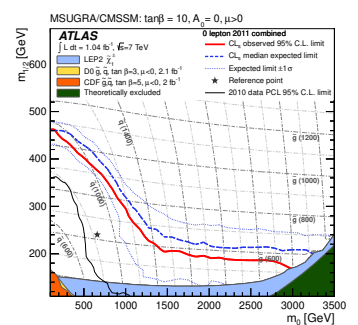
MSUGRA/CMSSM: tanβ = 10, A0 = 0, μ>0
ATLAS
∫ Ldt = 1.04 fb-1, √s=7 TeV
LEP2 χ̃1±
DØ g̃, q̃, tan β=3, μ<0, 2.1 fb-1
CDF g̃,q̃, tan β=5, μ<0, 2 fb-1
Theoretically excluded
0 lepton 2011 combined
CL_s observed 95% C.L. limit
CL_s median expected limit
Expected limit ±1 σ
Reference point
2010 data PCL 95% C.L. limit
m1/2 [GeV]
m0 [GeV]
q̃ (1400)
q̃ (1200)
q̃ (1000)
q̃ (800)
q̃ (600)
g̃ (1400)
g̃ (1200)
g̃ (1000)
g̃ (800)
g̃ (600)
mSUGRA: tanβ = 10, A0 = 0, μ>0
∫Ldt= 1.04 fb-1, √s=7 TeV
LEP2 χ̃1±
Observed limit
Median expected limit
DØ g̃, q̃, tanβ=3, μ<0, 2.1 fb-1
CDF g̃, q̃, tanβ=5, μ<0, 2 fb-1
q̃ (1400 GeV)
q̃ (1200 GeV)
q̃ (1000 GeV)
q̃ (800 GeV)
g̃ (1200 GeV)
g̃ (1000 GeV)
g̃ (800 GeV)
g̃ (600 GeV)
m1/2 [GeV]
m0 [GeV]