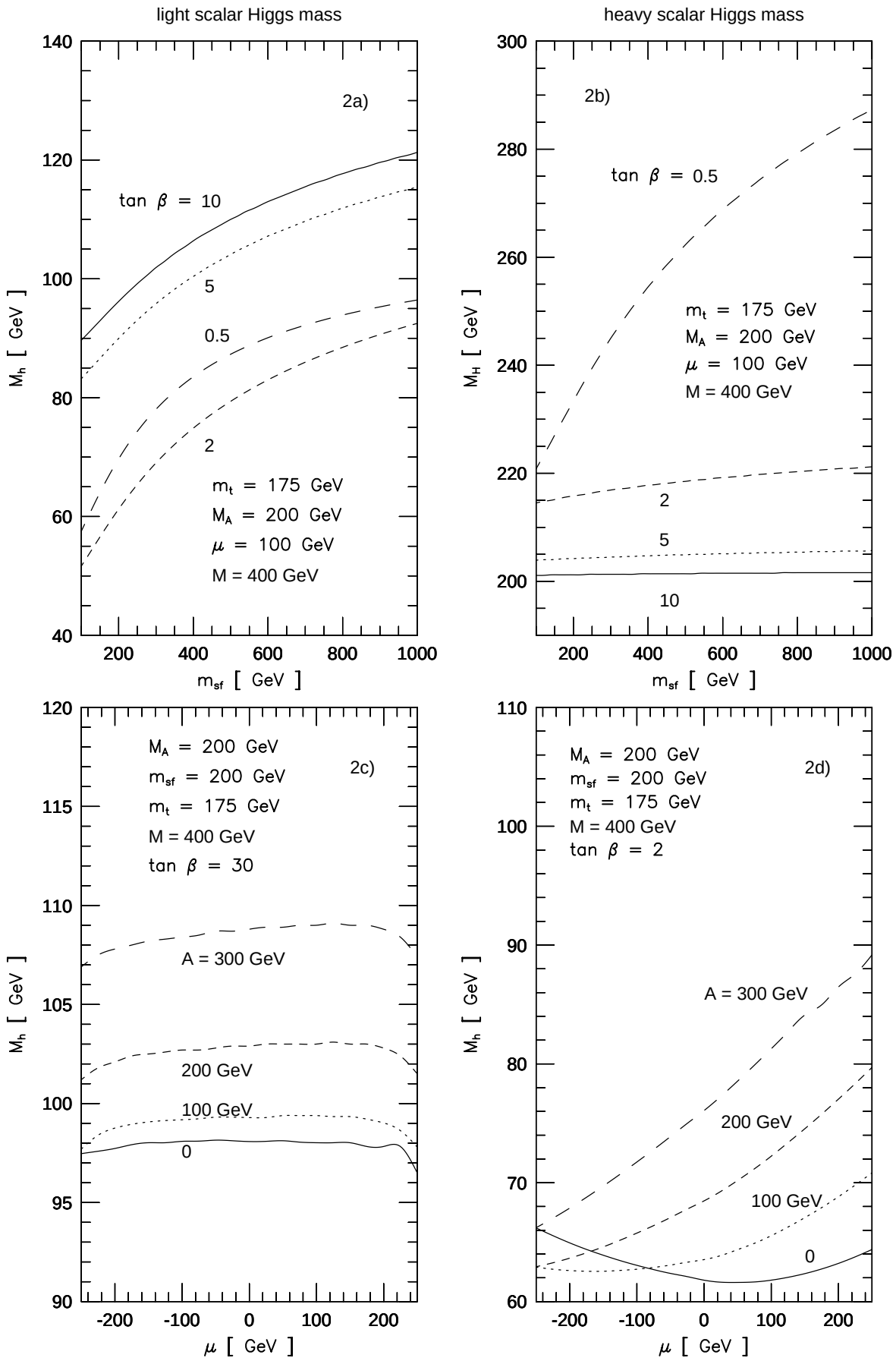
light scalar Higgs mass
heavy scalar Higgs mass
2a)
tan β = 10
5
0.5
2
m_t = 175 GeV
M_A = 200 GeV
μ = 100 GeV
M = 400 GeV
M_h [GeV]
m_sf [GeV]
2b)
tan β = 0.5
m_t = 175 GeV
M_A = 200 GeV
μ = 100 GeV
M = 400 GeV
2
5
10
M_H [GeV]
m_sf [GeV]
2c)
M_A = 200 GeV
m_sf = 200 GeV
m_t = 175 GeV
M = 400 GeV
tan β = 30
A = 300 GeV
200 GeV
100 GeV
0
M_h [GeV]
μ [GeV]
2d)
M_A = 200 GeV
m_sf = 200 GeV
m_t = 175 GeV
M = 400 GeV
tan β = 2
A = 300 GeV
200 GeV
100 GeV
0
M_h [GeV]
μ [GeV]