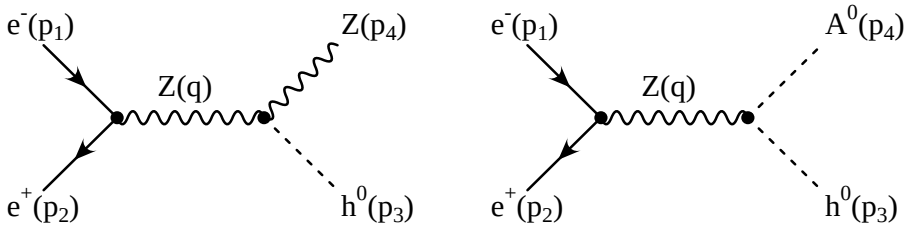
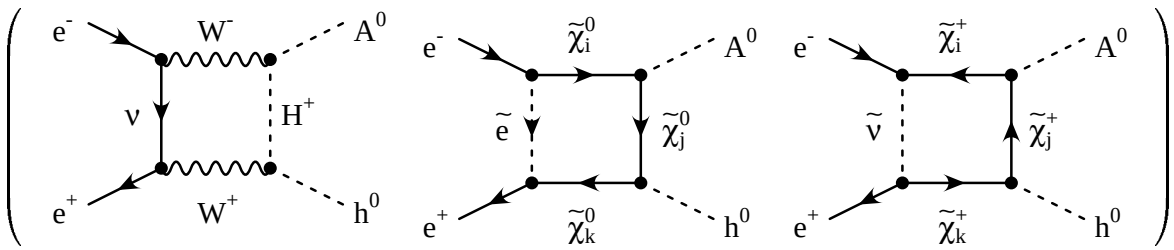


Figure 1



$+(h^0 \leftrightarrow A^0)$

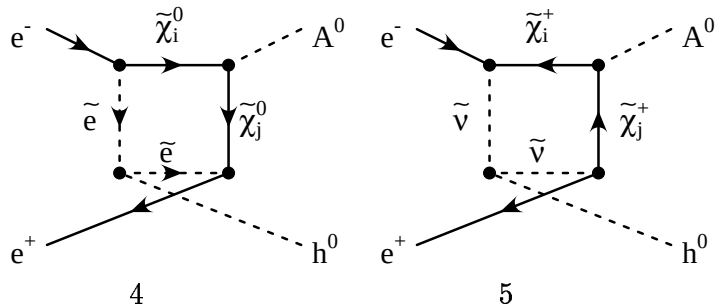


Figure 3

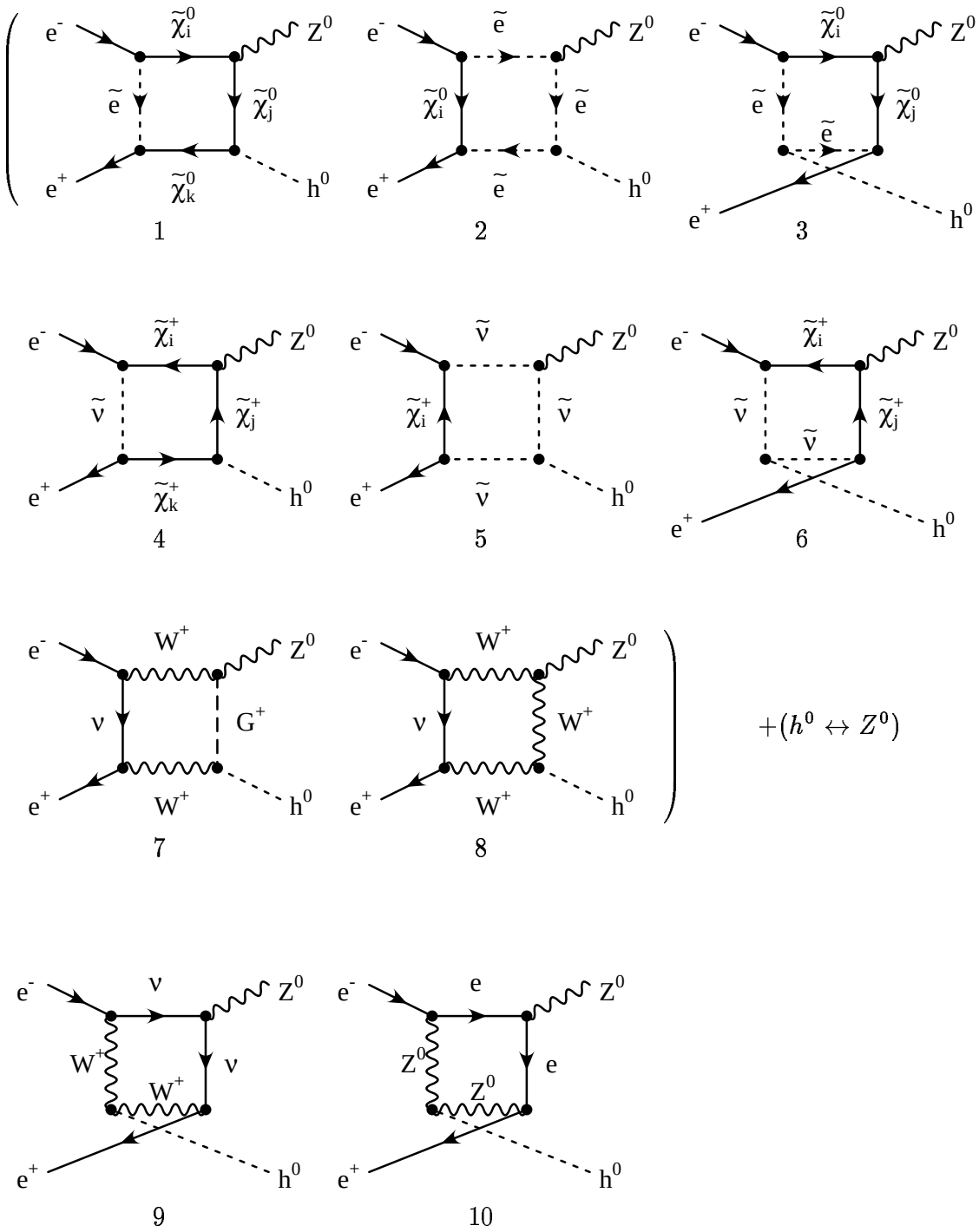


Figure 2

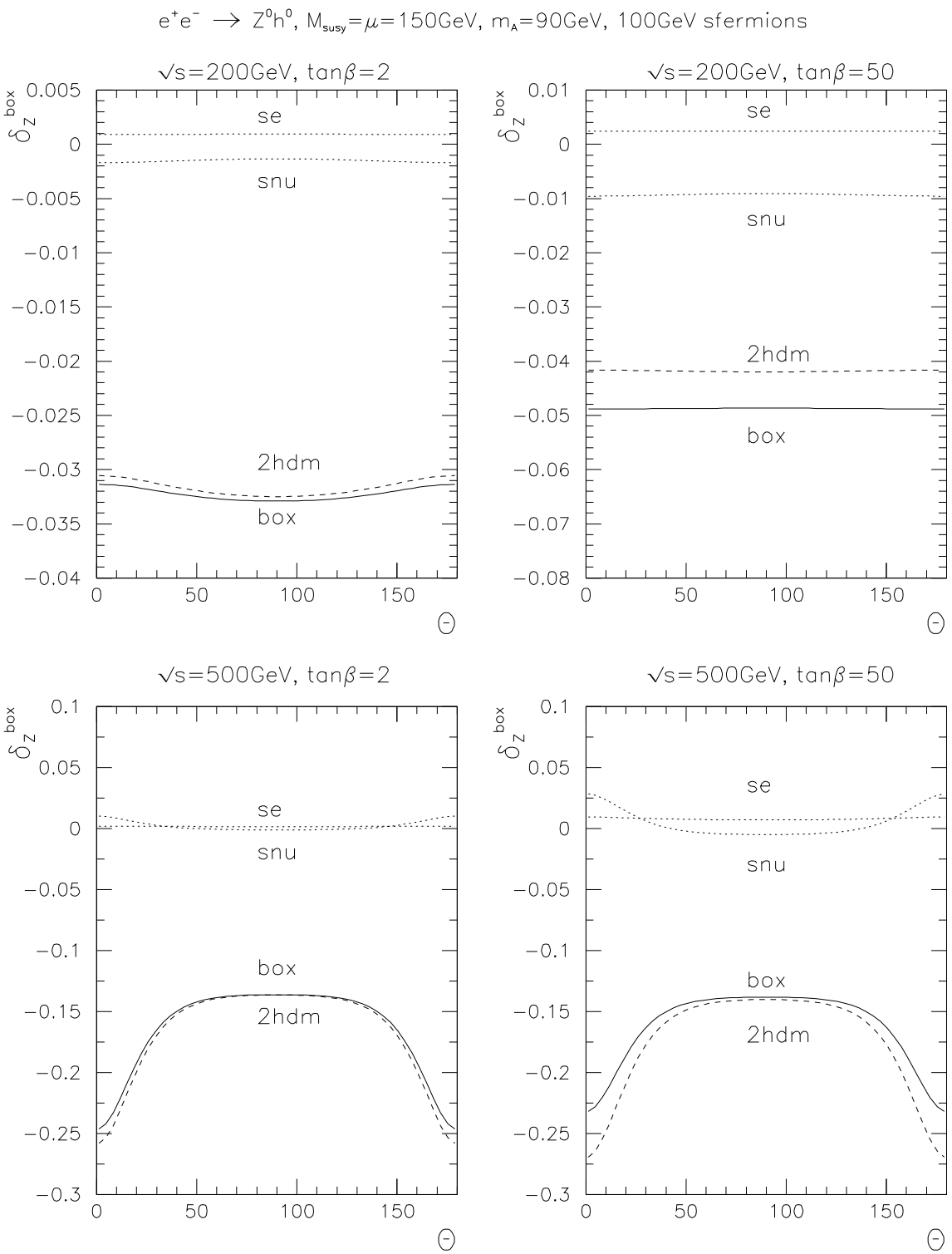

e+e- → Z0h0, Msusy=μ=150GeV, mA=90GeV, 100GeV sfermions
√s=200GeV, tanβ=2
√s=200GeV, tanβ=50
√s=500GeV, tanβ=2
√s=500GeV, tanβ=50
δZbox
se
snu
2hdm
box
Θ

Figure 4

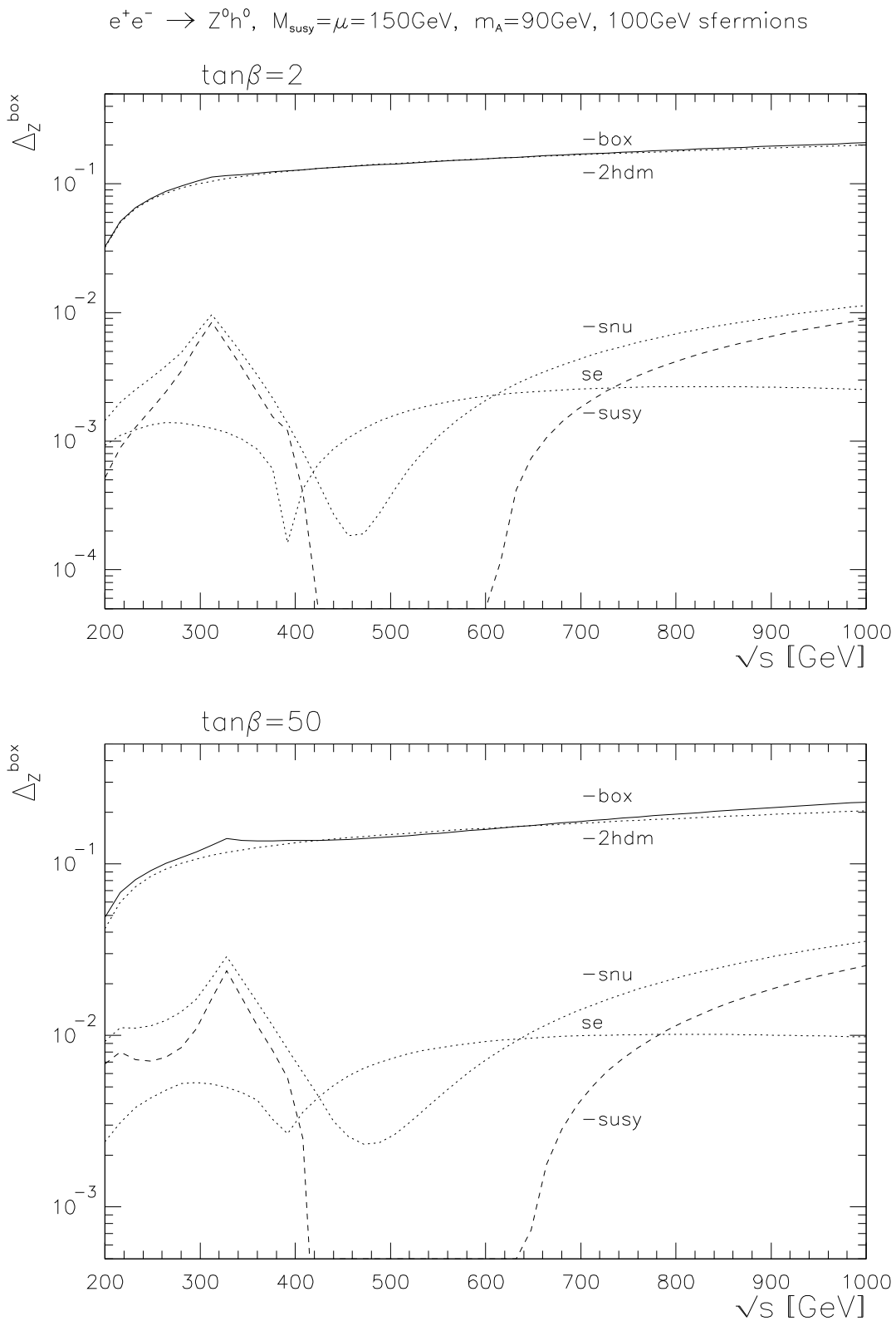

e+e- → Z0h0, Msusy=μ=150GeV, mA=90GeV, 100GeV sfermions
tanβ=2
box
ΔZ
−box
−2hdm
−snu
se
−susy
10−1
10−2
10−3
10−4
200
300
400
500
600
700
800
900
1000
√s [GeV]
tanβ=50
box
ΔZ
−box
−2hdm
−snu
se
−susy
10−1
10−2
10−3
200
300
400
500
600
700
800
900
1000
√s [GeV]

Figure 5

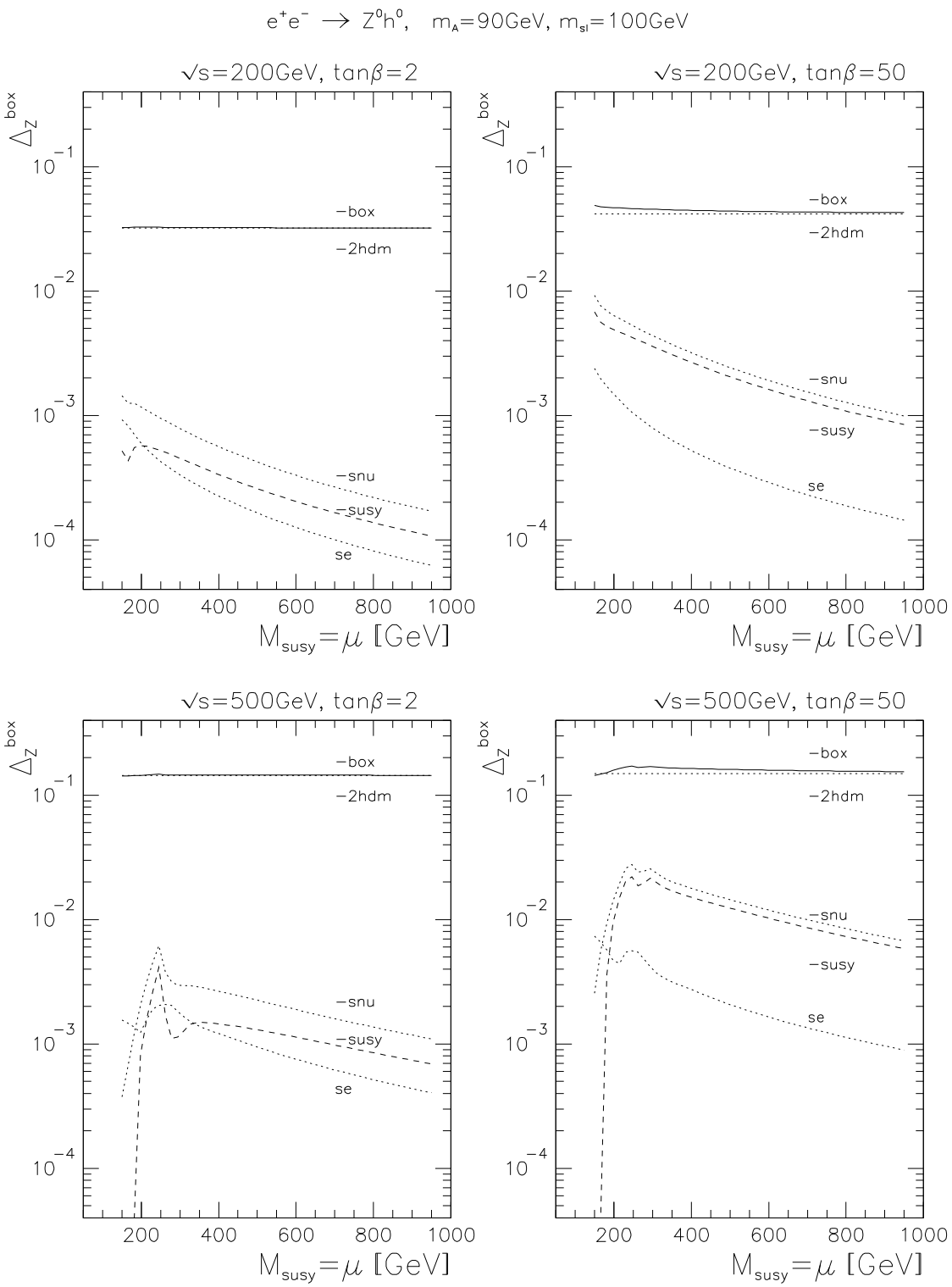

e+e- → Z0h0, mA=90GeV, msl=100GeV
√s=200GeV, tanβ=2
√s=200GeV, tanβ=50
√s=500GeV, tanβ=2
√s=500GeV, tanβ=50
Δ box Z
box
2hdm
snu
susy
se
Msusy=μ [GeV]

Figure 6

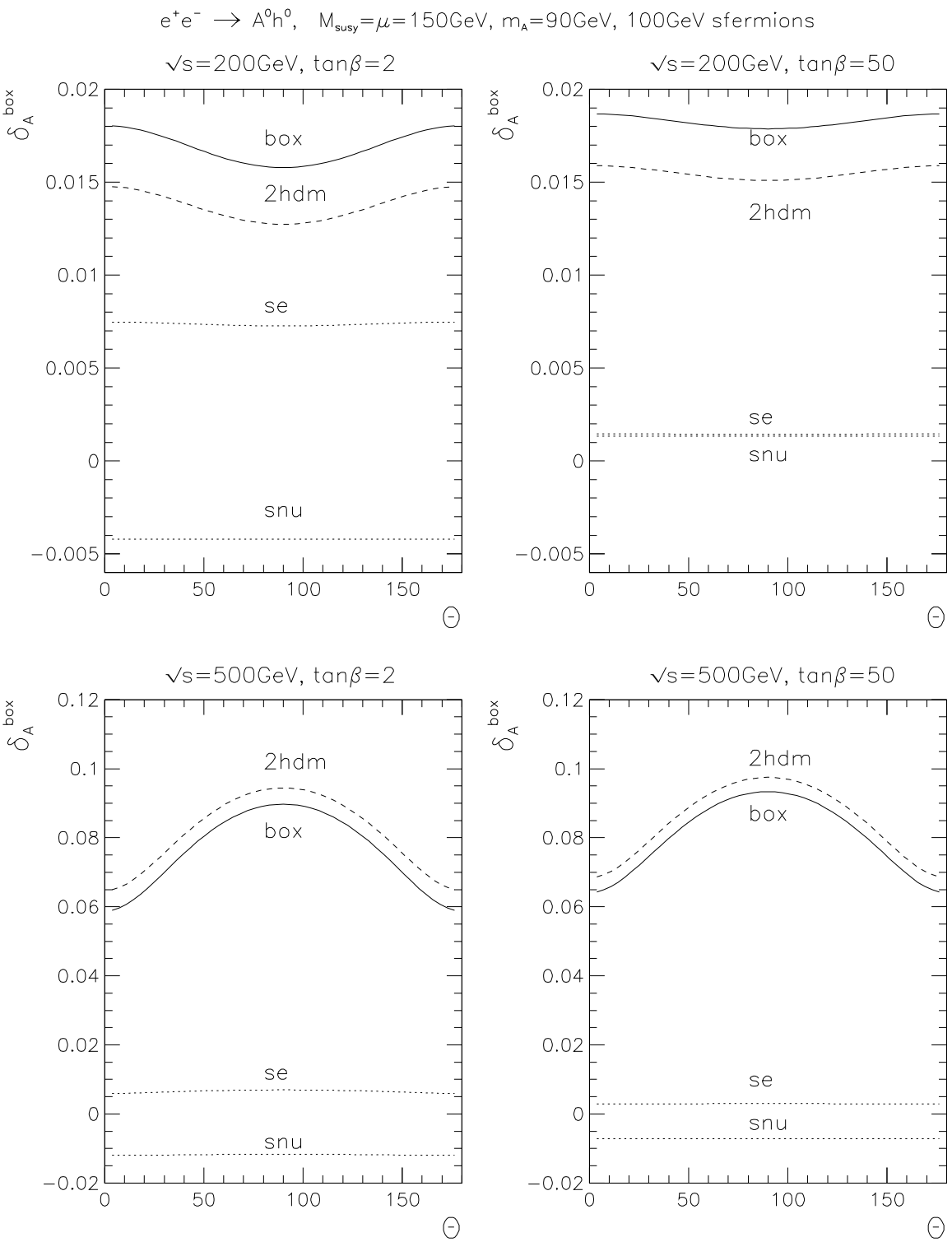

e+e- → A0h0, Msusy=μ=150GeV, mA=90GeV, 100GeV sfermions
√s=200GeV, tanβ=2
√s=200GeV, tanβ=50
√s=500GeV, tanβ=2
√s=500GeV, tanβ=50
δA box
box
2hdm
se
snu
Θ
0.02
0.015
0.01
0.005
0
−0.005
0.12
0.1
0.08
0.06
0.04
0.02
−0.02
0
50
100
150

Figure 7

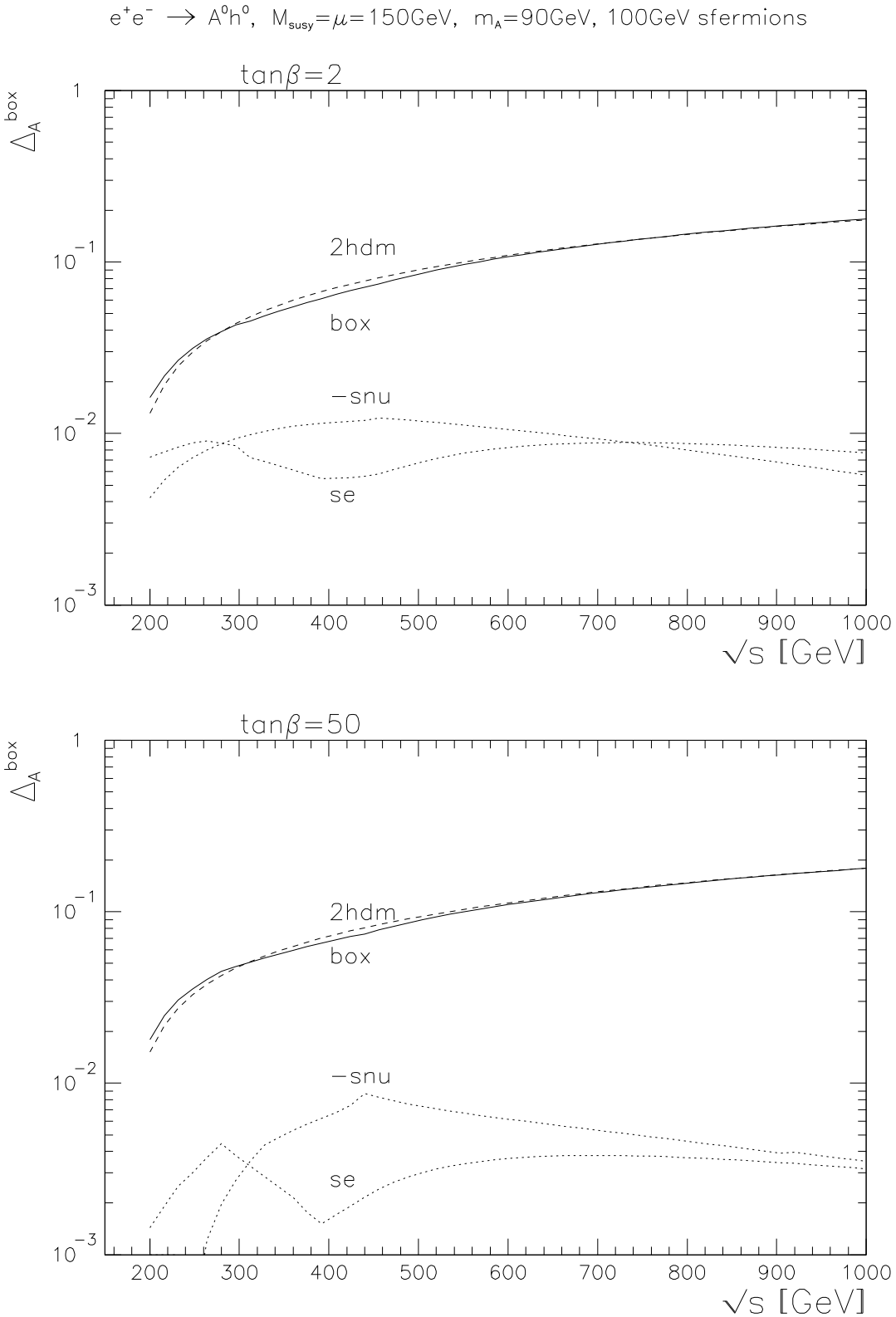

$e^+e^- \to A^0h^0$, $M_{susy}=\mu=150$GeV, $m_A=90$GeV, 100GeV sfermions
tanβ=2
Δ_A^{box}
1
10^{-1}
10^{-2}
10^{-3}
2hdm
box
−snu
se
200
300
400
500
600
700
800
900
1000
√s [GeV]
tanβ=50
Δ_A^{box}
1
10^{-1}
10^{-2}
10^{-3}
2hdm
box
−snu
se
200
300
400
500
600
700
800
900
1000
√s [GeV]

Figure 8

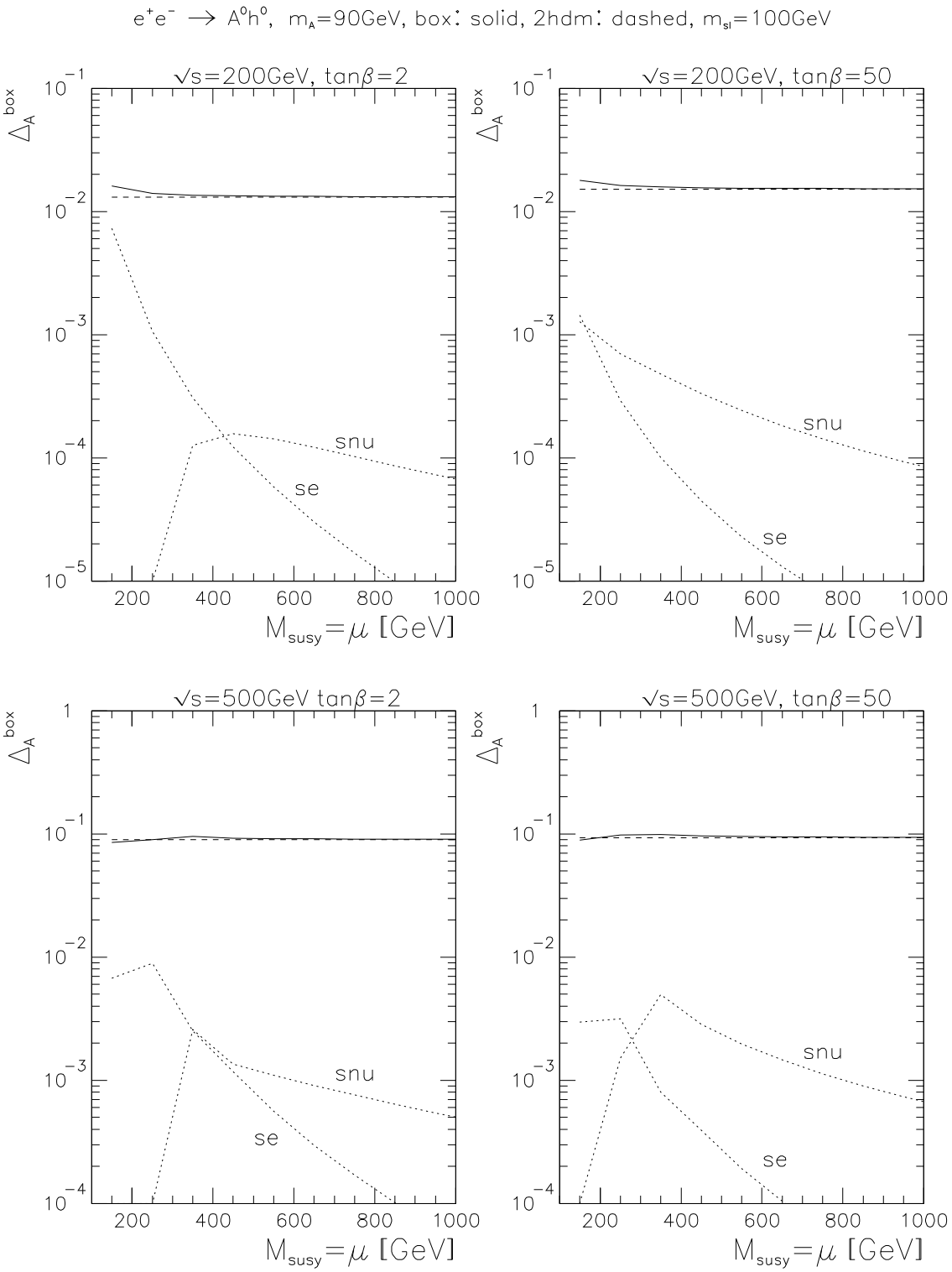

e+e- → A0h0, mA=90GeV, box: solid, 2hdm: dashed, msl=100GeV
√s=200GeV, tanβ=2
√s=200GeV, tanβ=50
√s=500GeV tanβ=2
√s=500GeV, tanβ=50
Δ box A
snu
se
Msusy=μ [GeV]

Figure 9