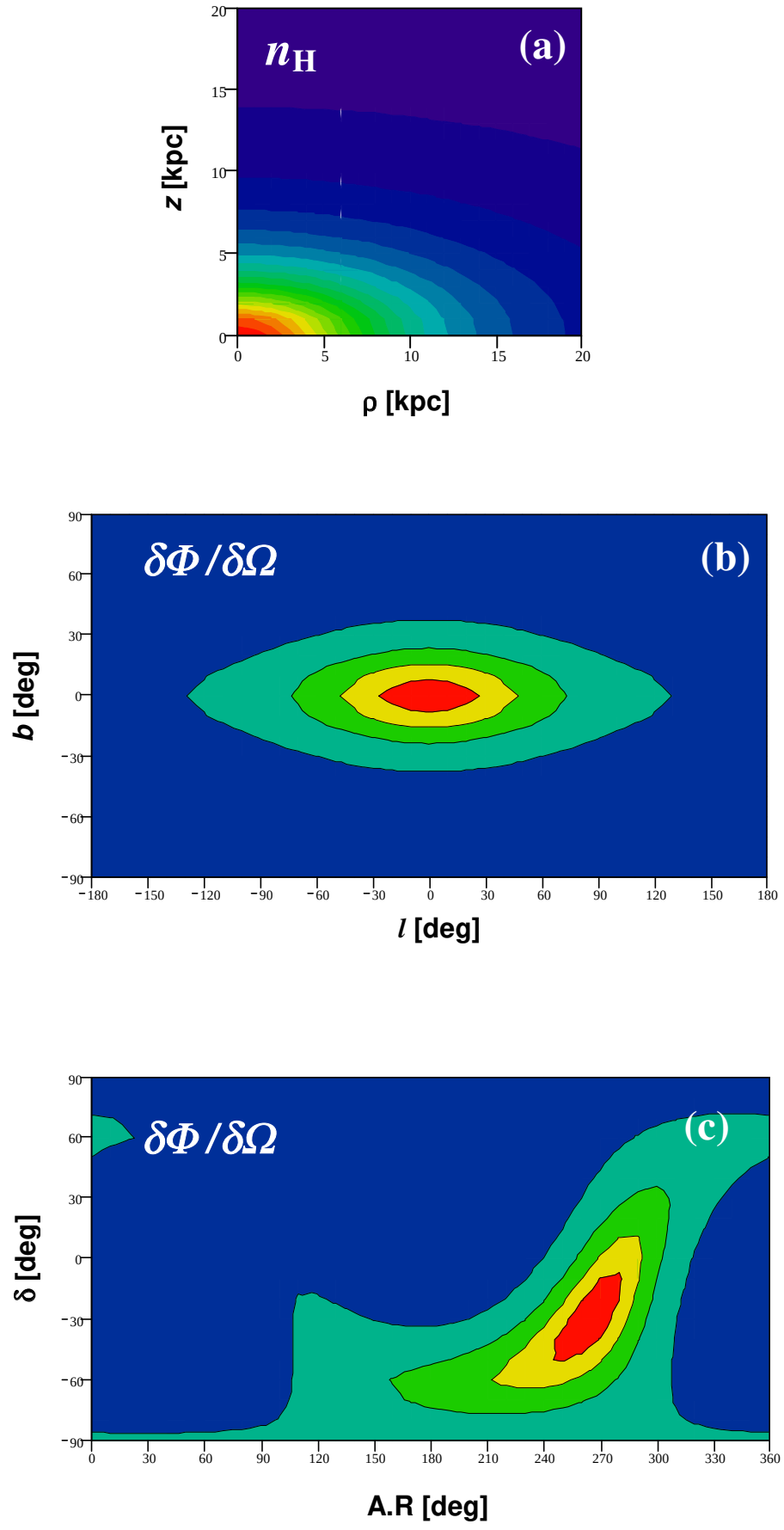
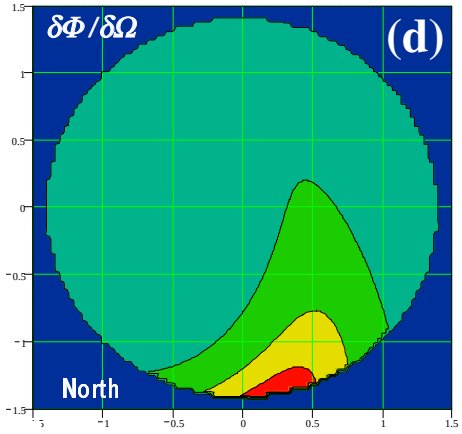
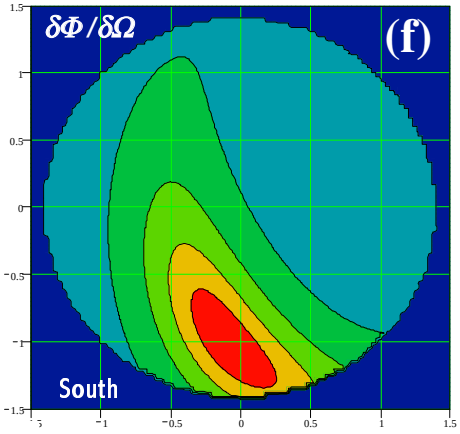
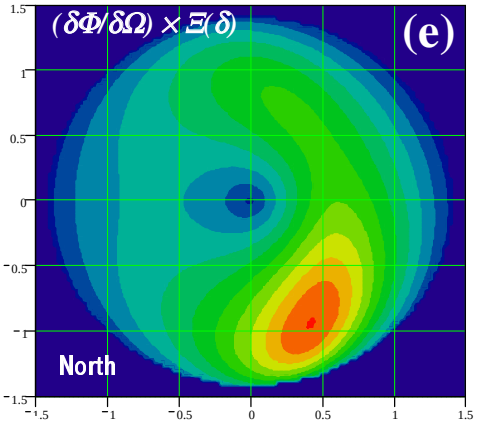
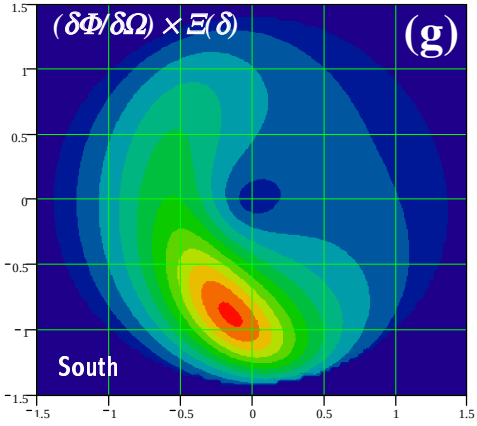


Figure 1.a-c









Figures 1.d-g

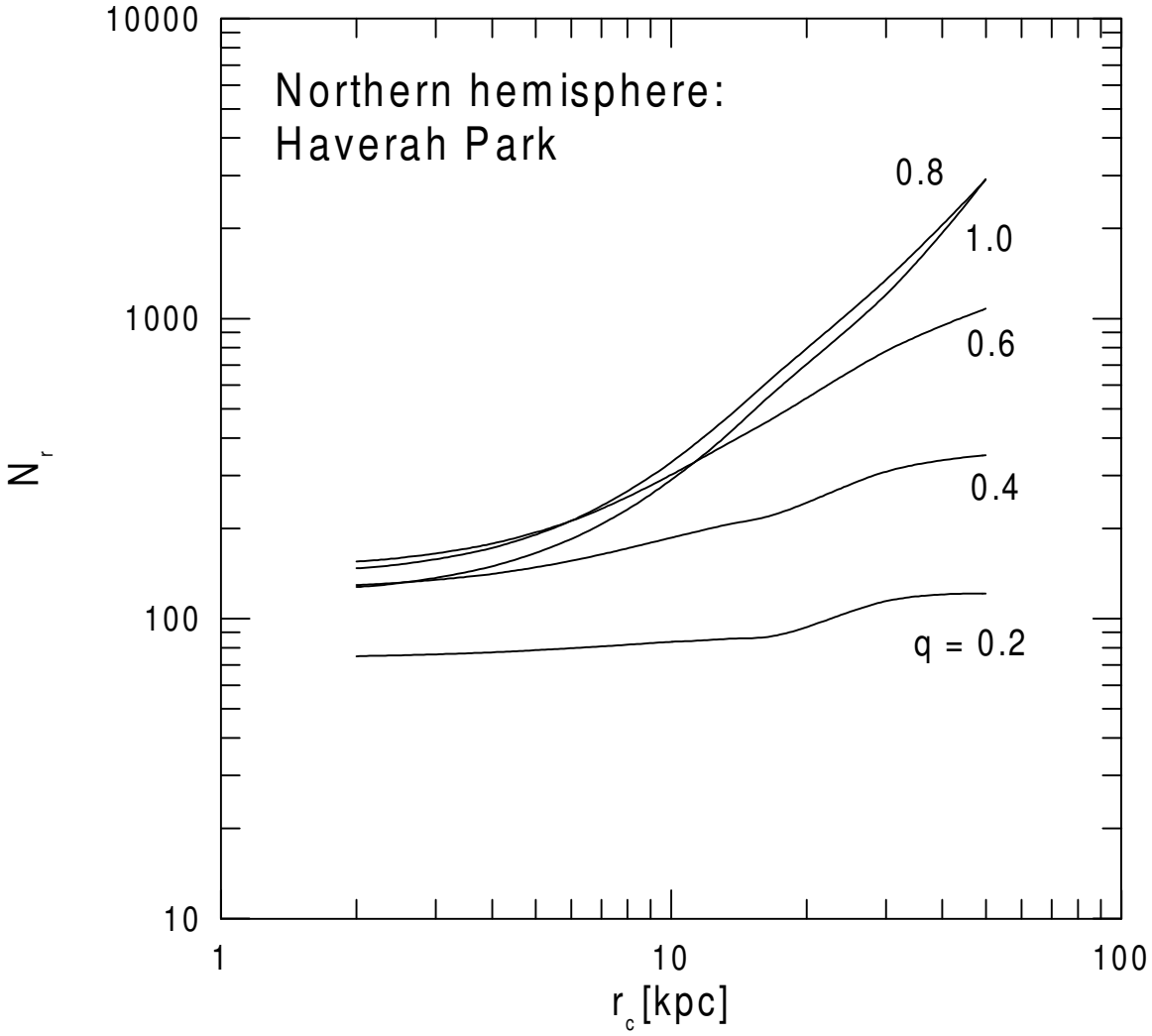

Northern hemisphere:
Haverah Park
0.8
1.0
0.6
0.4
q = 0.2
10000
1000
100
10
1
10
100
N_r
r_c [kpc]

Figure 2

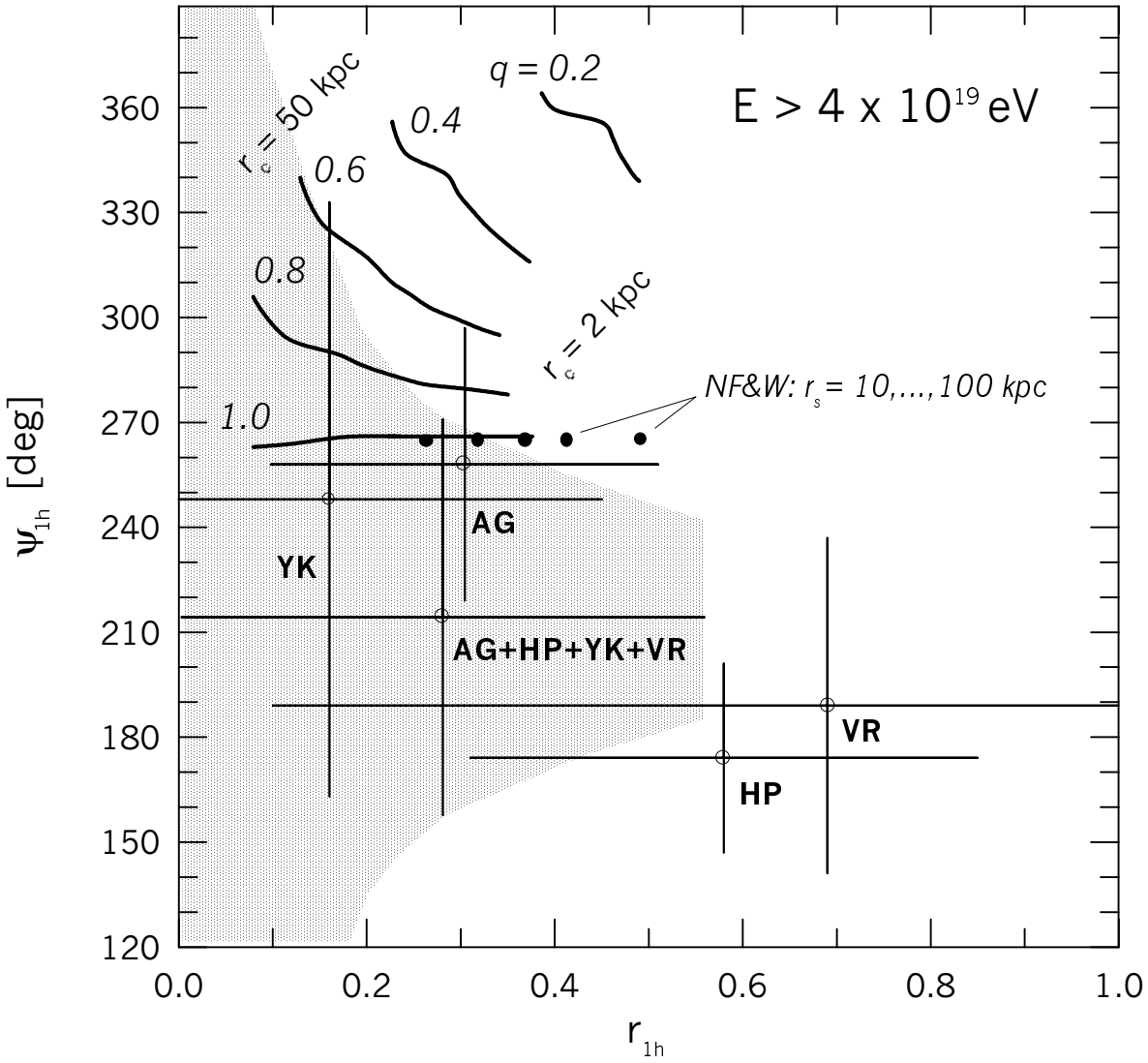

E > 4 x 10^19 eV
q = 0.2
0.4
0.6
0.8
1.0
r_c = 50 kpc
r_c = 2 kpc
NF&W: r_s = 10,...,100 kpc
AG
YK
AG+HP+YK+VR
VR
HP
ψ_1h [deg]
r_1h
360
330
300
270
240
210
180
150
120
0.0
0.2
0.4
0.6
0.8
1.0

Figure 3

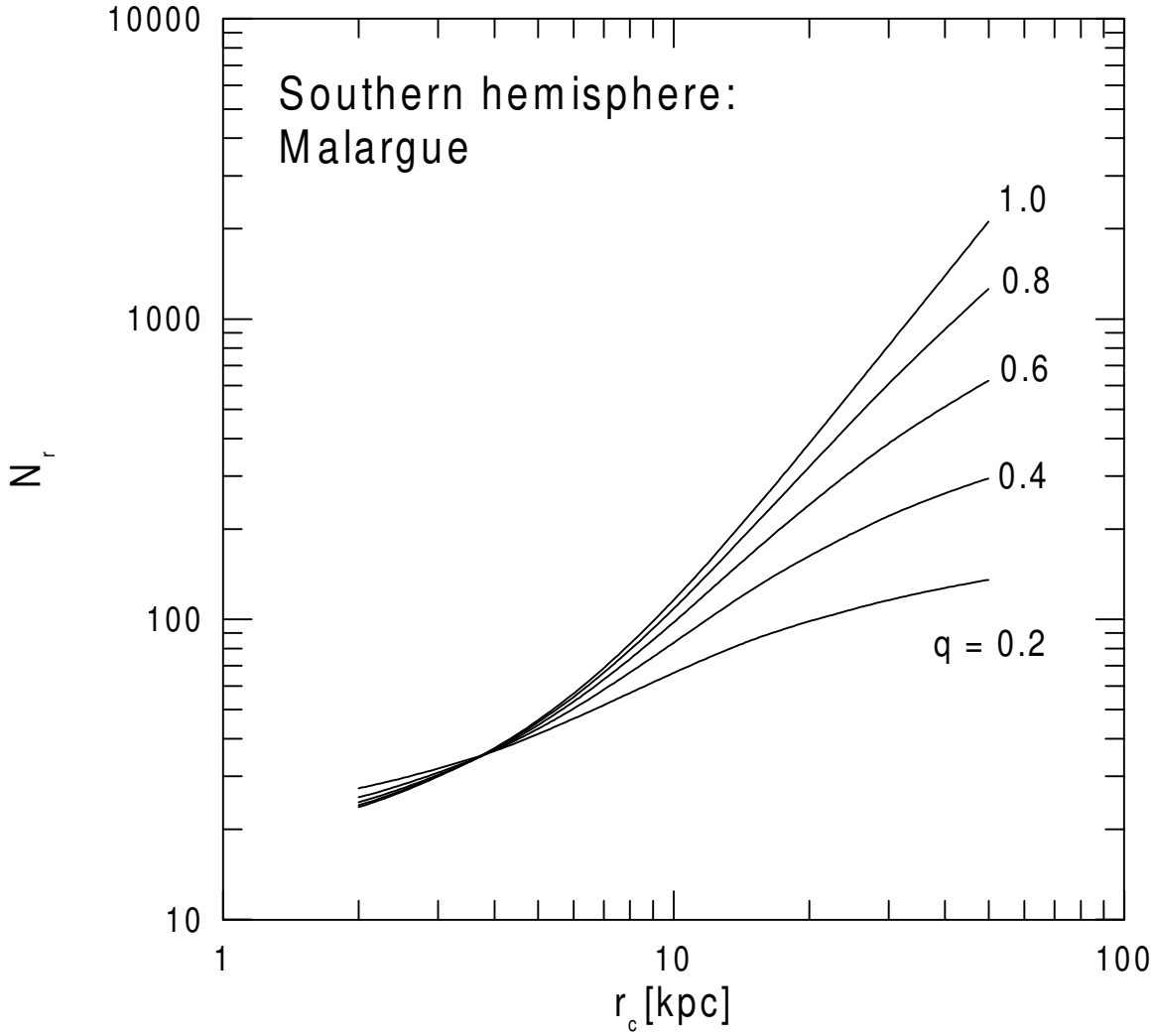

Southern hemisphere:
Malargue
1.0
0.8
0.6
0.4
q = 0.2
10000
1000
100
10
1
10
100
N_r
r_c [kpc]

Figure 4

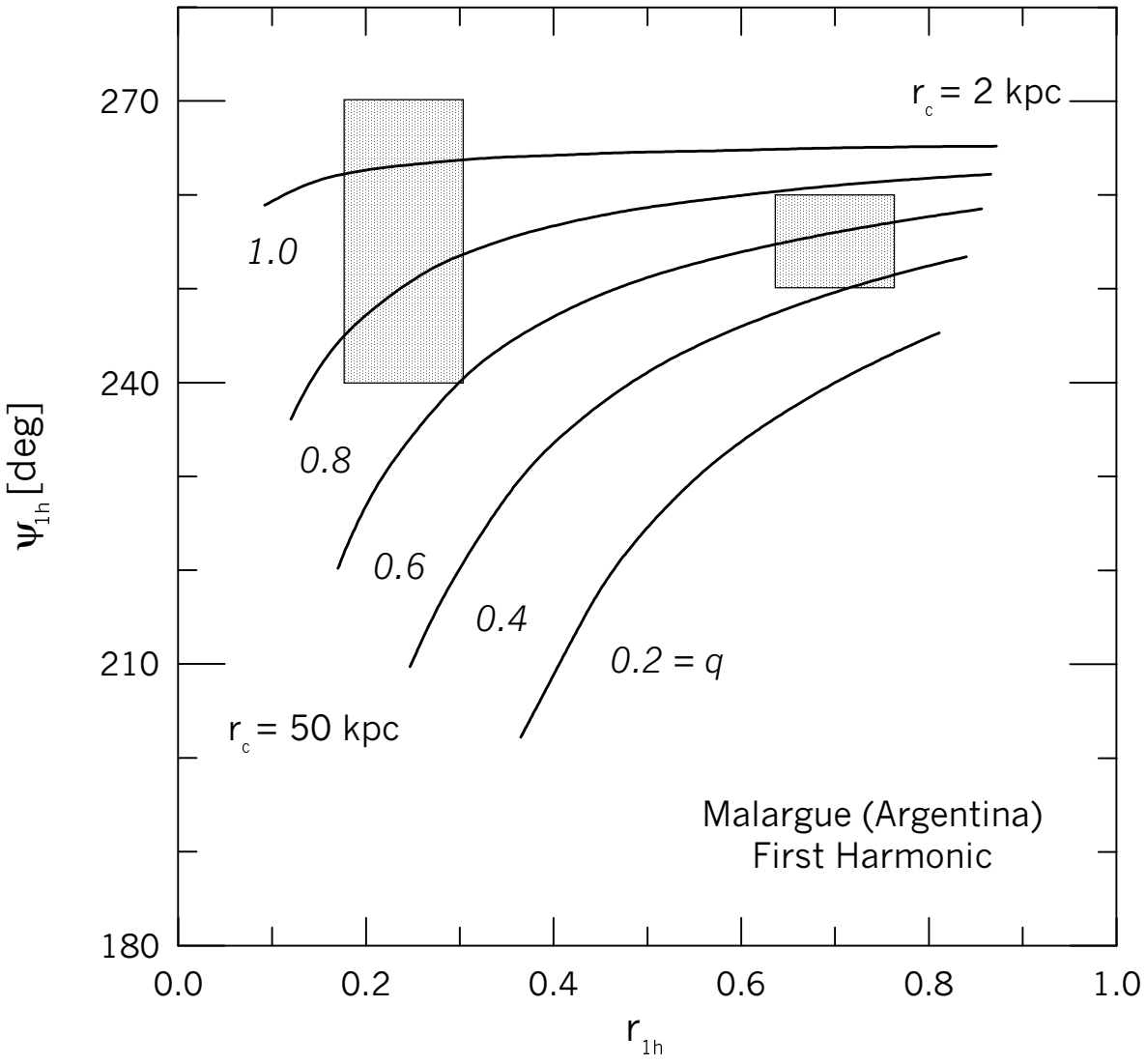

270
240
210
180
0.0
0.2
0.4
0.6
0.8
1.0
ψ_{1h} [deg]
r_{1h}
r_c = 2 kpc
1.0
0.8
0.6
0.4
0.2 = q
r_c = 50 kpc
Malargue (Argentina)
First Harmonic

Figure 5

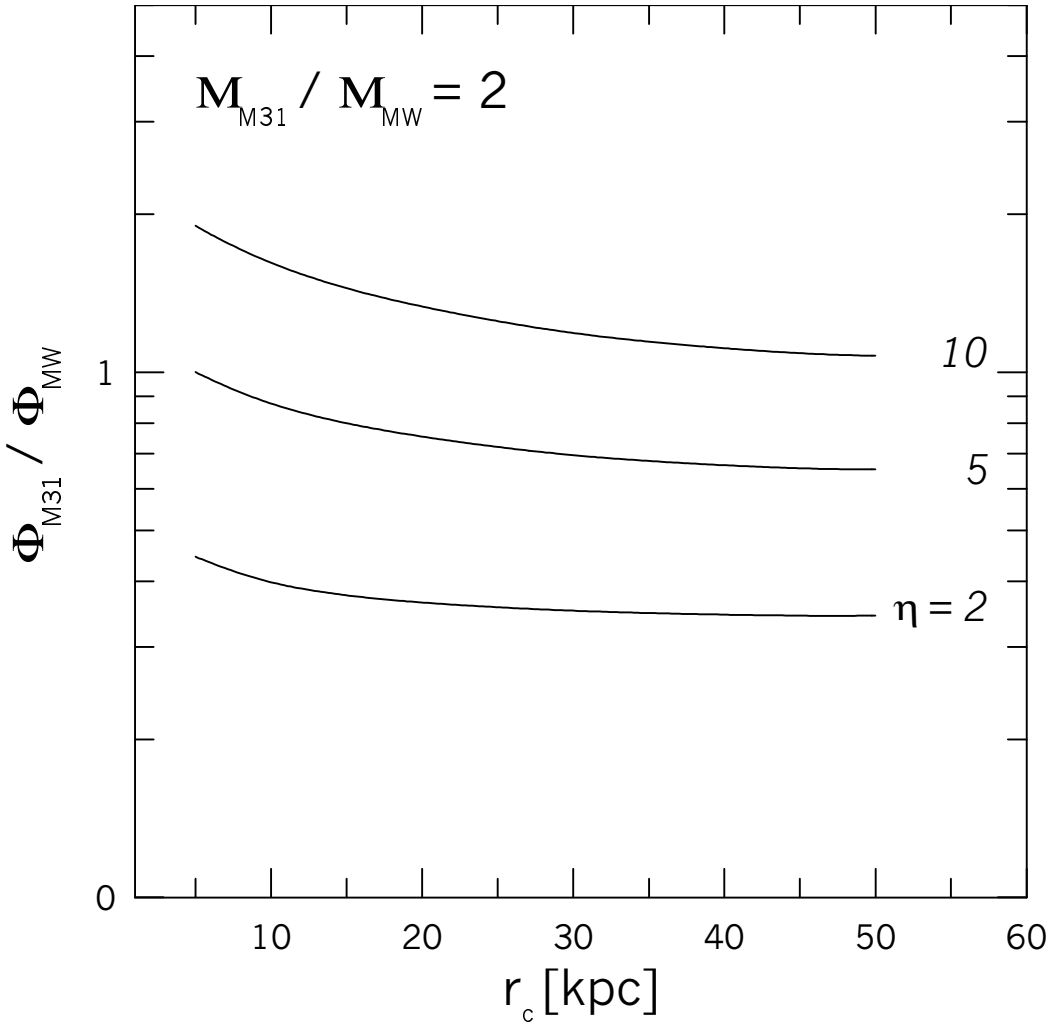


Figure 6