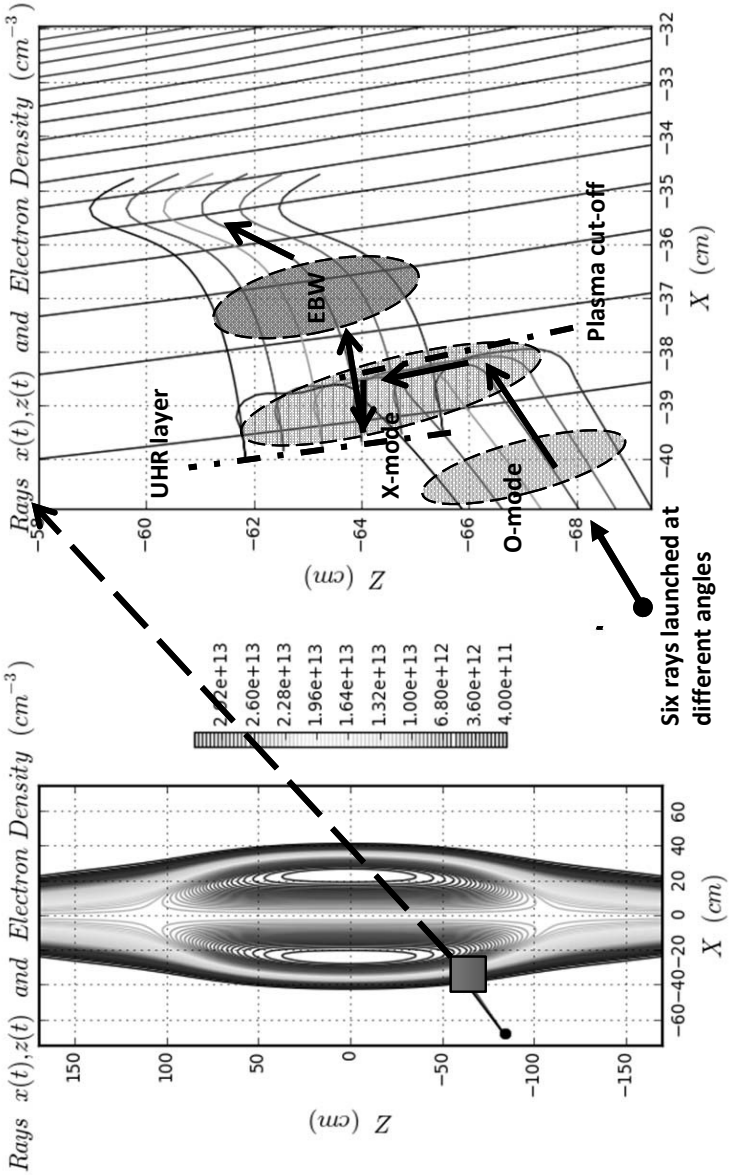


FIGURE 28A

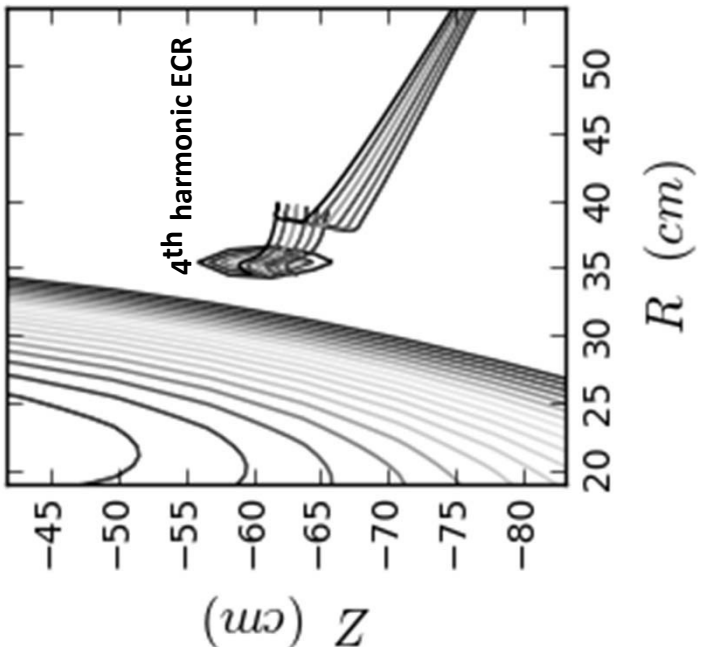


FIGURE 28B

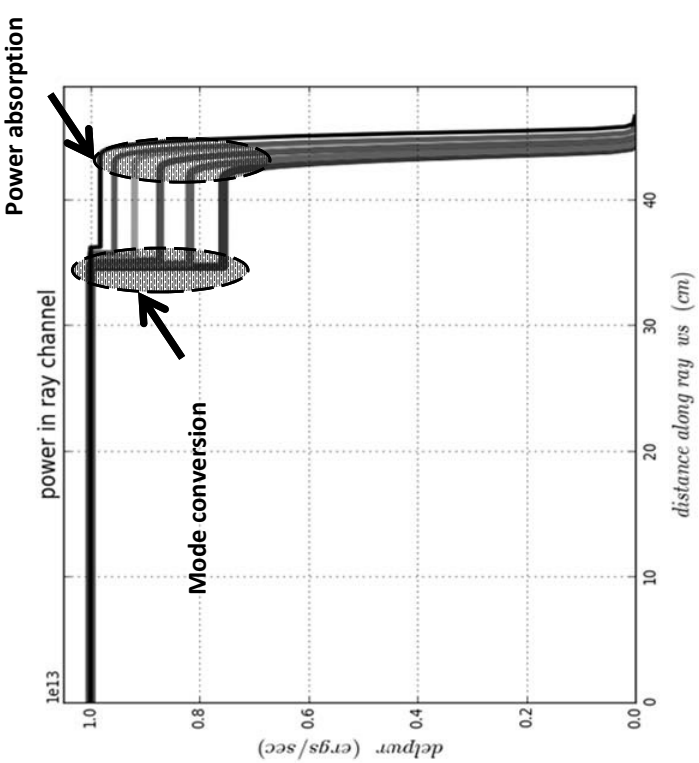


FIGURE 28C

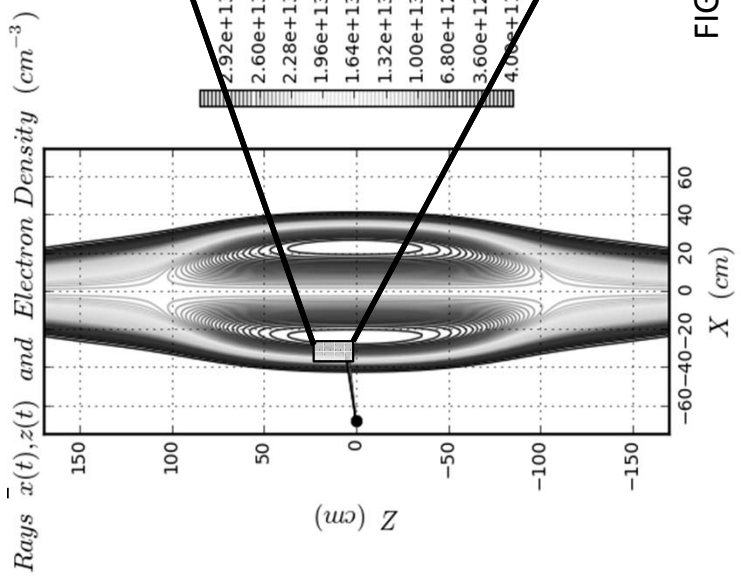


FIGURE 29A

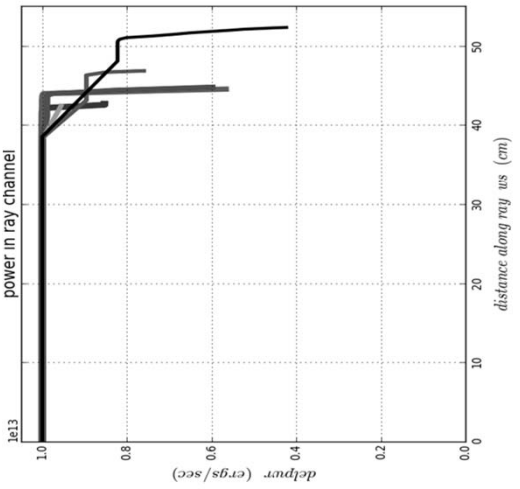


FIGURE 29B

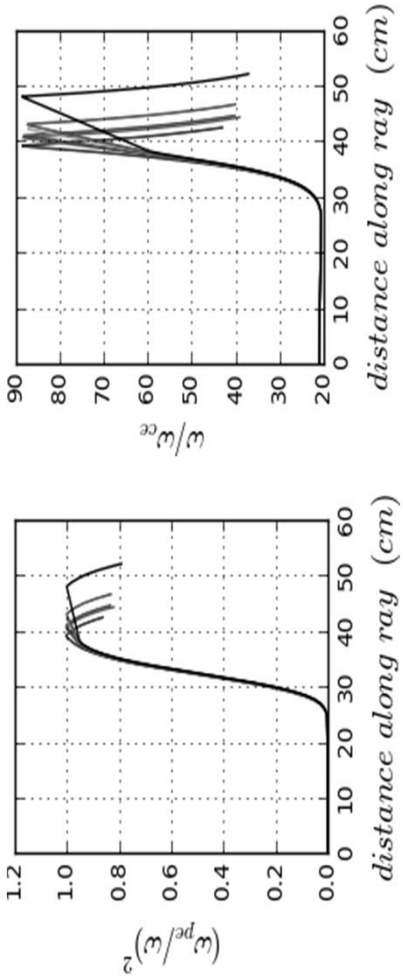


FIGURE 29E

FIGURE 29F

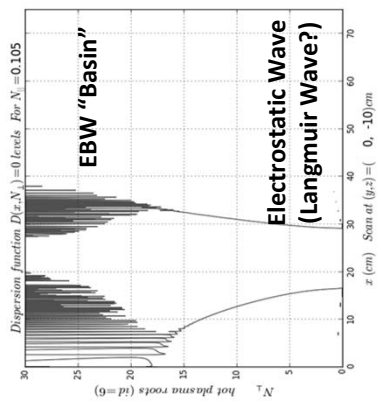


FIGURE 29D

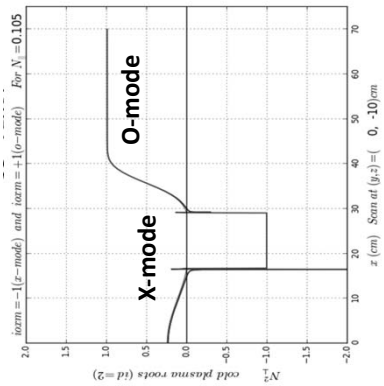


FIGURE 29C

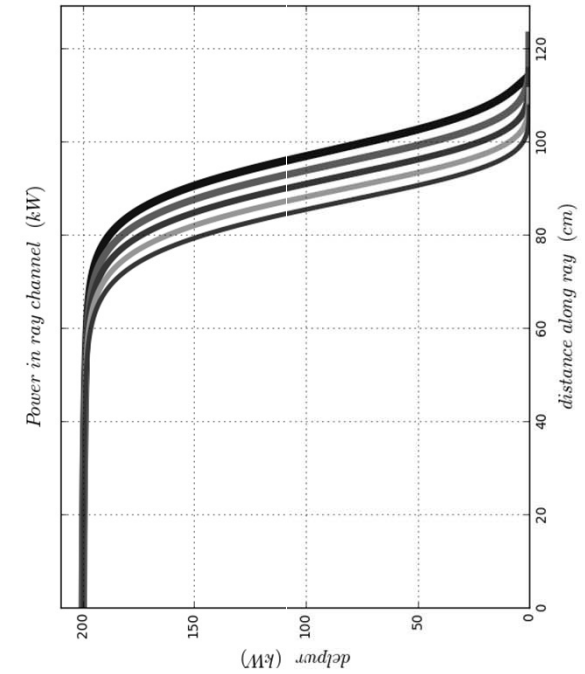


FIGURE 30B

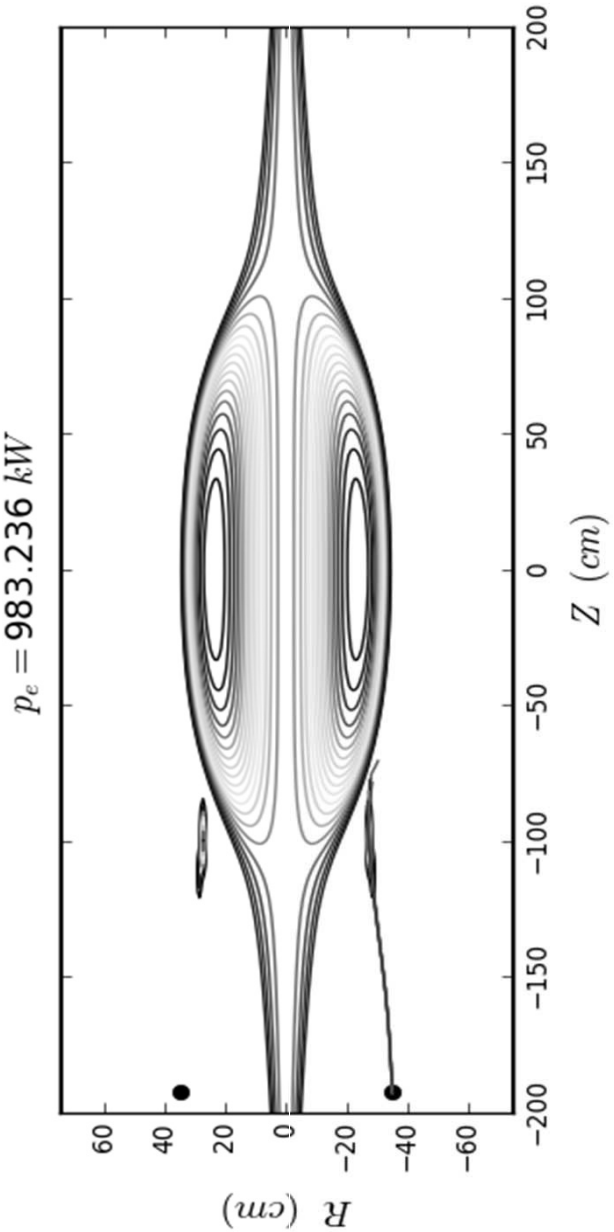


FIGURE 30A

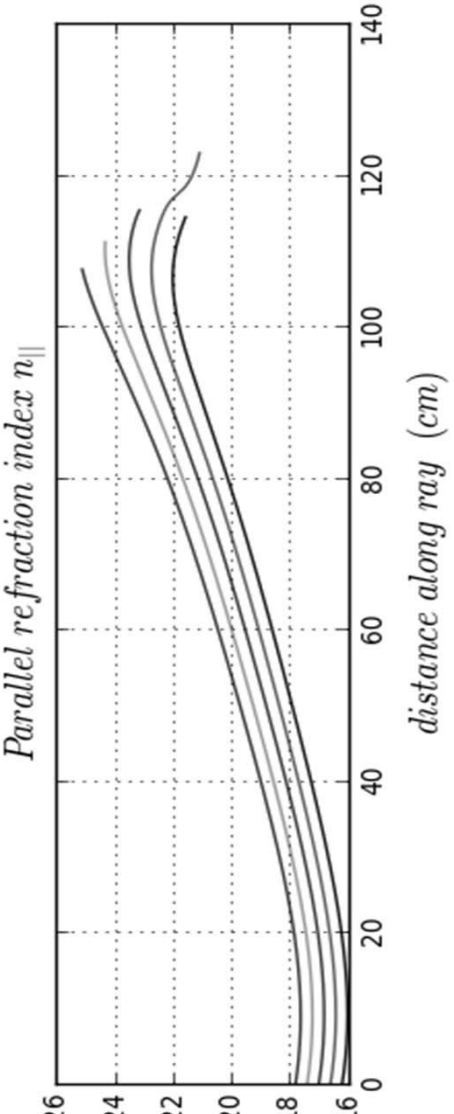


FIGURE 30C

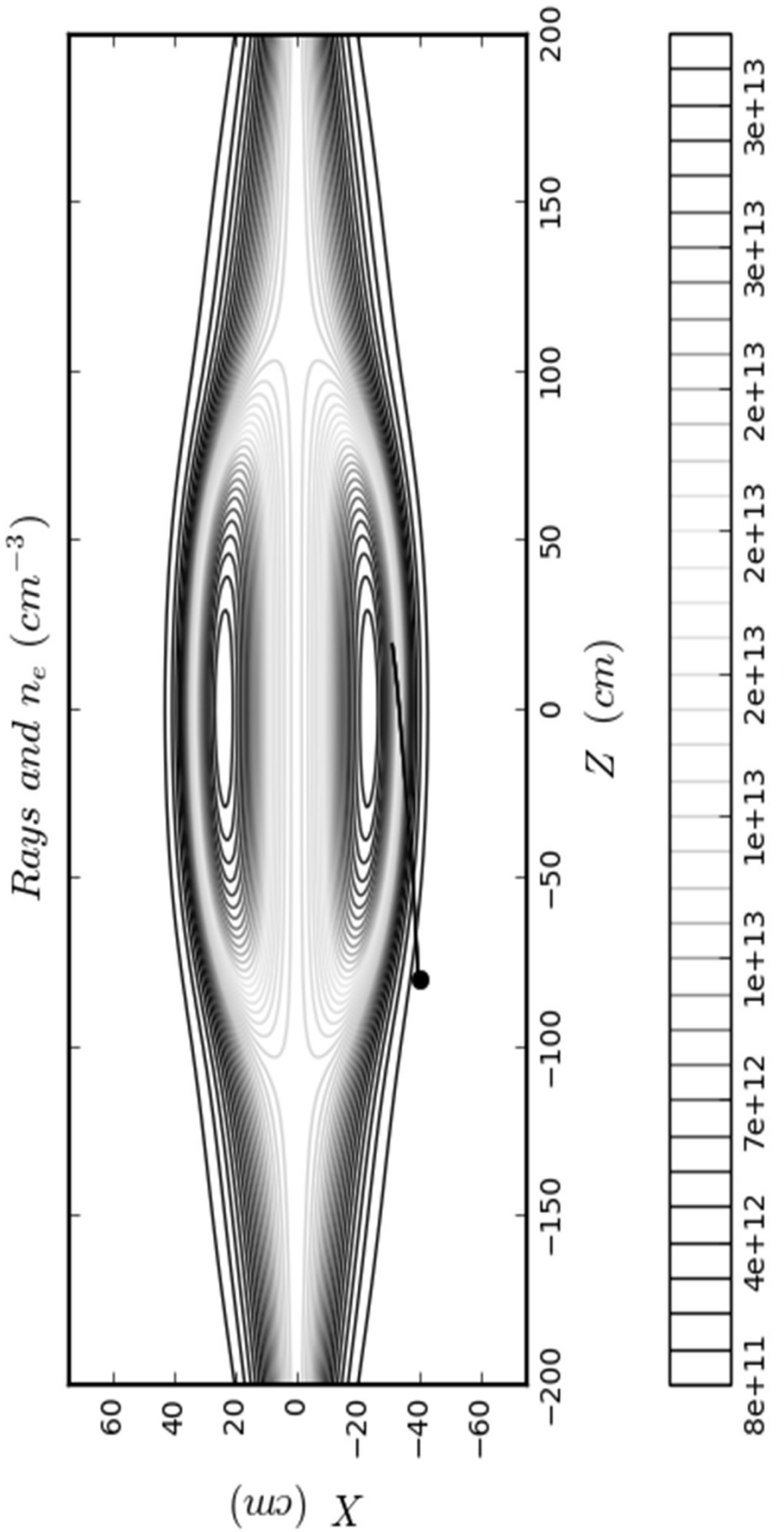

Rays and n_e (cm^{-3})
X (cm)
Z (cm)
60
40
20
0
−20
−40
−60
−200
−150
−100
−50
0
50
100
150
200
8e+11
4e+12
7e+12
1e+13
1e+13
2e+13
2e+13
2e+13
3e+13
3e+13
(cm^{-3})

FIGURE 31

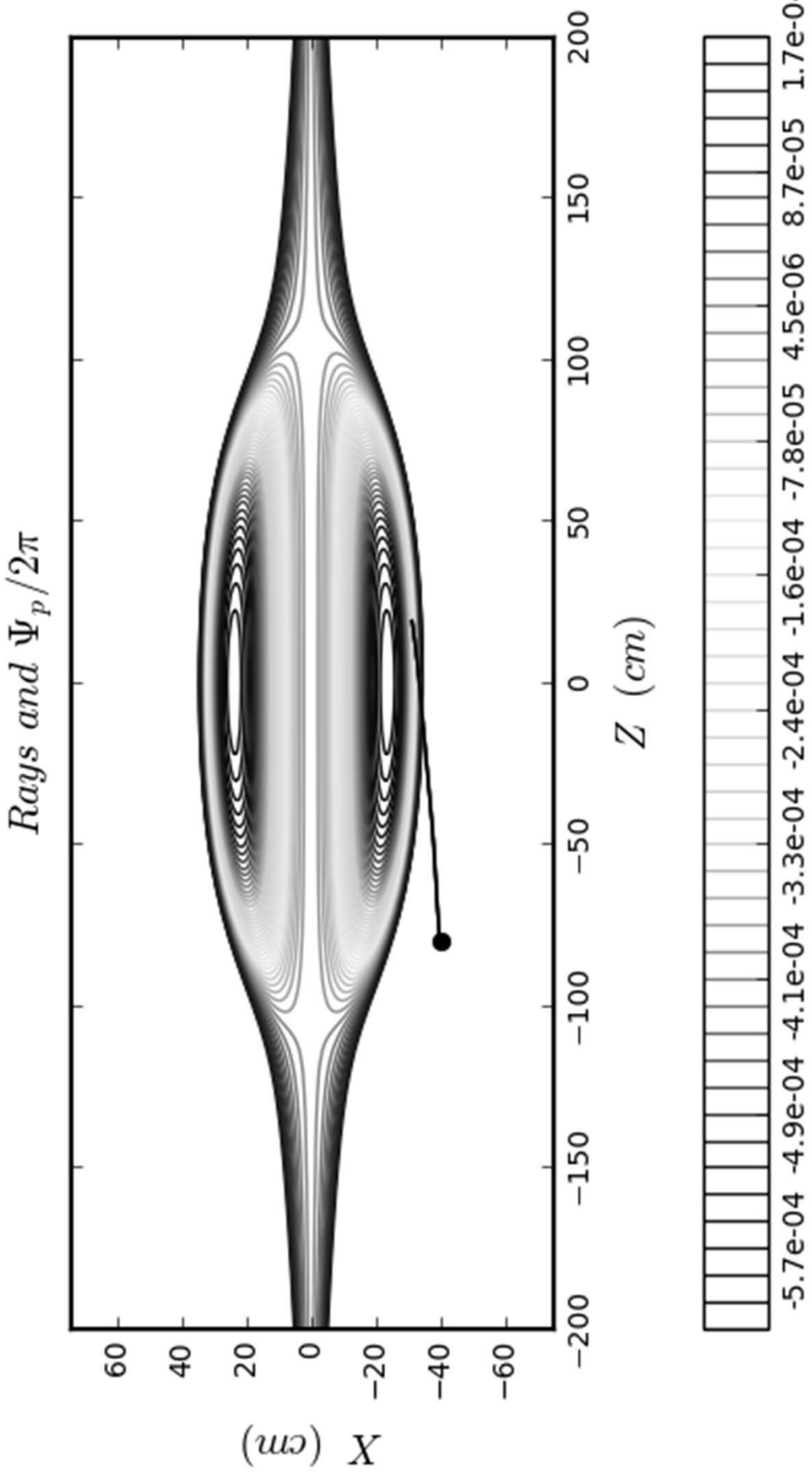

Rays and $\Psi_p/2\pi$
X (cm)
Z (cm)
60
40
20
0
−20
−40
−60
−200
−150
−100
−50
0
50
100
150
200
-5.7e-04
-4.9e-04
-4.1e-04
-3.3e-04
-2.4e-04
-1.6e-04
-7.8e-05
4.5e-06
8.7e-05
1.7e-04
$(Tesla * m^2)$

FIGURE 32