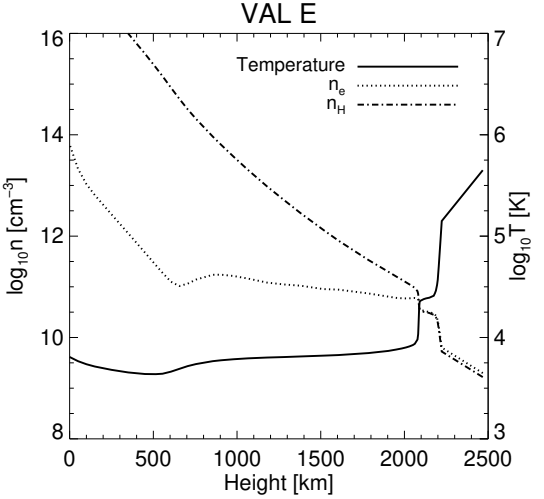
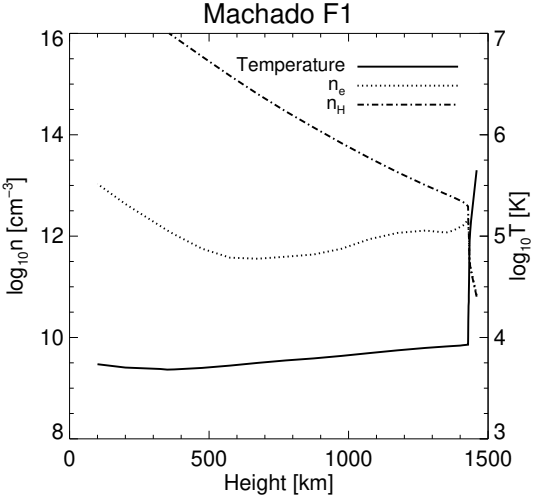
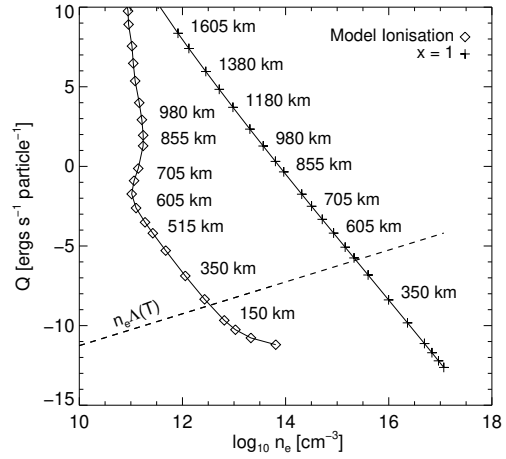

VAL E
Temperature
$n_e$
$n_H$
$\log_{10} n$ [cm$^{-3}$]
$\log_{10} T$ [K]
Height [km]

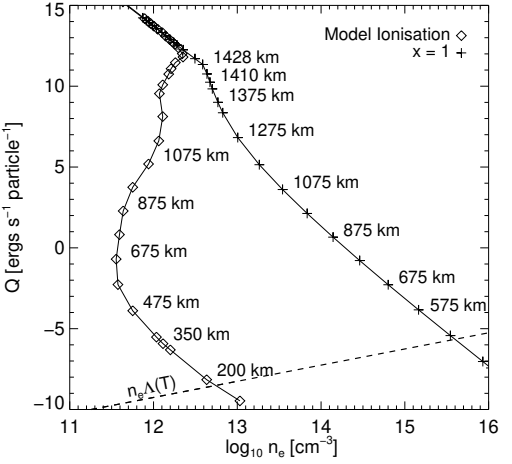
(a)


Machado F1
Temperature
$n_e$
$n_H$
$\log_{10} n$ [cm$^{-3}$]
$\log_{10} T$ [K]
Height [km]

(b)


Model Ionisation ◇
x = 1 +
1605 km
1380 km
1180 km
980 km
855 km
705 km
605 km
515 km
350 km
150 km
980 km
855 km
705 km
605 km
350 km
$n_e \Lambda(T)$
Q [ergs s$^{-1}$ particle$^{-1}$]
$\log_{10} n_e$ [cm$^{-3}$]

(c)


Model Ionisation ◇
x = 1 +
1428 km
1410 km
1375 km
1275 km
1075 km
1075 km
875 km
875 km
675 km
675 km
575 km
475 km
350 km
200 km
$n_e \Lambda(T)$
Q [ergs s$^{-1}$ particle$^{-1}$]
$\log_{10} n_e$ [cm$^{-3}$]

(d)