Impurity Radiation

C_00002t0.000_0.687_1

W/m^3 (y-axis)

5000

4000

3000

2000

1000

0

rho$_{vol}$ (m)

0.0   0.1   0.2   0.3   0.4   0.5
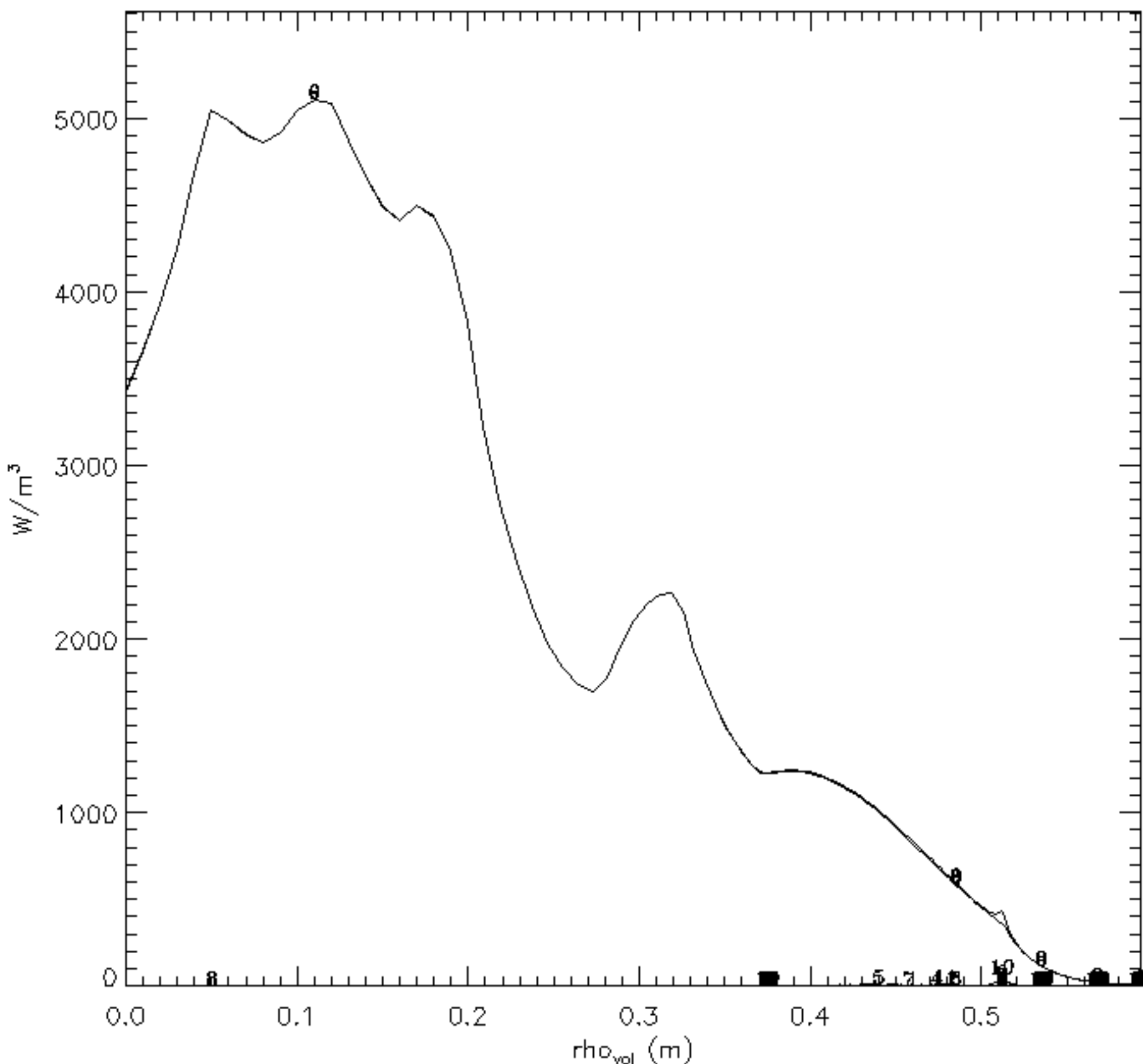
0   Z= 0(C_) line −>7.07e−03W/m² 3.75e−01W
1   Z= 1(B) line −>4.30e−02W/m² 2.28e+00W
2   Z= 2(Be) line −>2.17e−01W/m² 1.15e+01W
3   Z= 3(Li) line −>8.06e−01W/m² 4.29e+01W
4   Z= 4(He) line −>8.62e−01W/m² 4.18e+01W
5   Z= 5(H) line −>1.46e+00W/m² 6.10e+01W
6   brems plas −>2.78e+03W/m² 5.12e+04W
7   conti imp. −>8.85e−01W/m² 2.46e+01W
8   brems imp. −>3.97e−01W/m² 7.35e+00W
9   total rad. −>2.79e+03W/m² 5.14e+04W
10 total imp. −>4.28e+00W/m² 1.84e+02W
11 total imp. (corona) −>2.23e+00W/m² 8.45e+01

t= 0.68720s a= 51.3cm Z/A: plasm.=1/1 imp. 6/ 12 <ne>=6.87e+19m⁻² Te(0)= 2.65keV ne(0)=5.77e+19m⁻³ Zeff(0)=1.00
for rho=0.1/0.4/0.9: D=0.50/0.50/0.50 m²/s v= 0.0/ 0.0/ 0.0 m/s neocl=   0.% CEX=0
influx(s⁻¹):valve=3.00e+17 wall=0.00e+00 div=0.00e+00 div/main= 1.6e+01 tau(ms):sol= 4.67 lim= 0.15 div=***** pump=1.00e+00
sep: Te=5.03e+01eV Ne=4.59e+19m⁻³ @LFS: l_Te=4.9cm l_ne=4.9cm w(SOl)=7.9cm d(Lim)=6.4cm lon.Length= 0.06cm