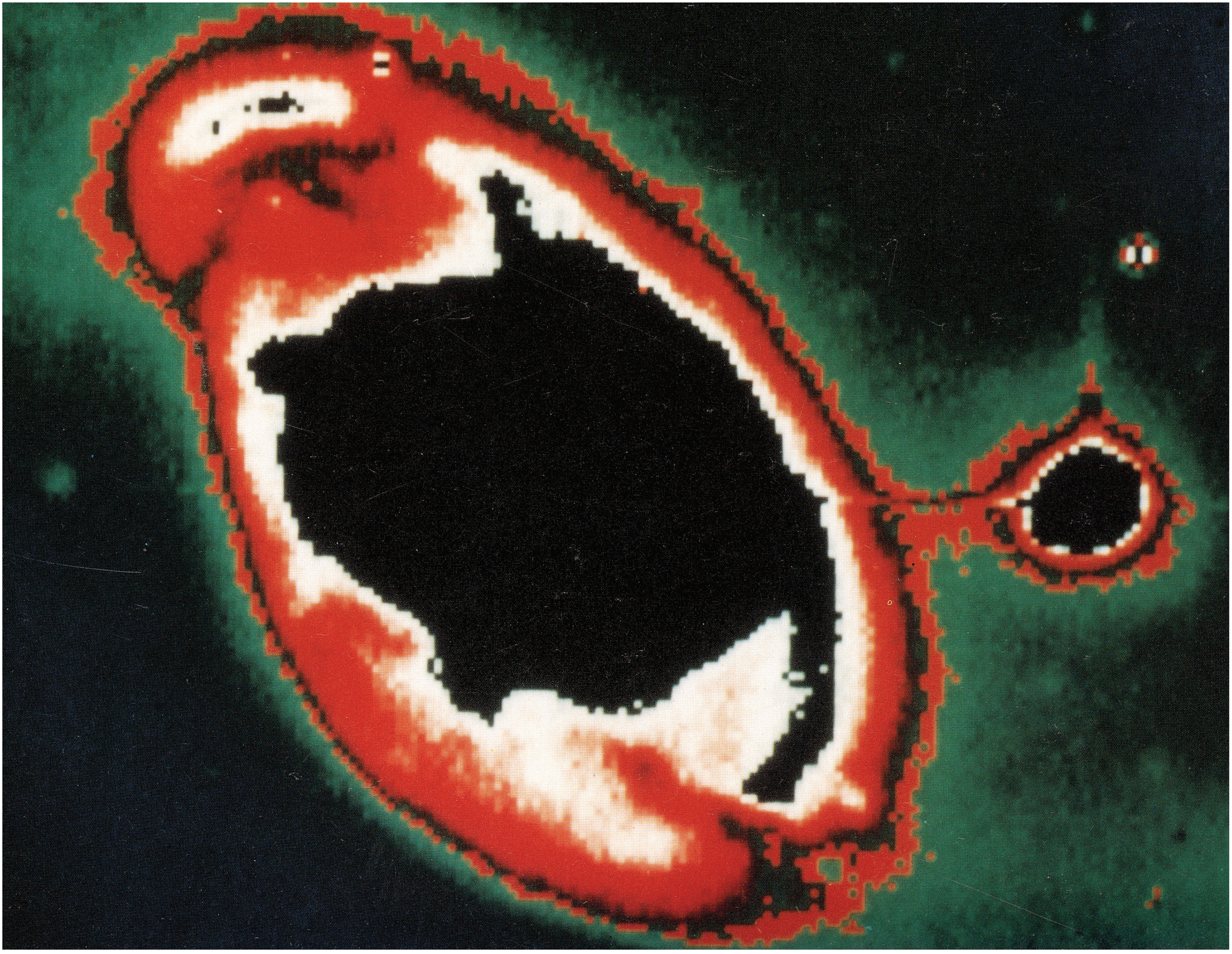
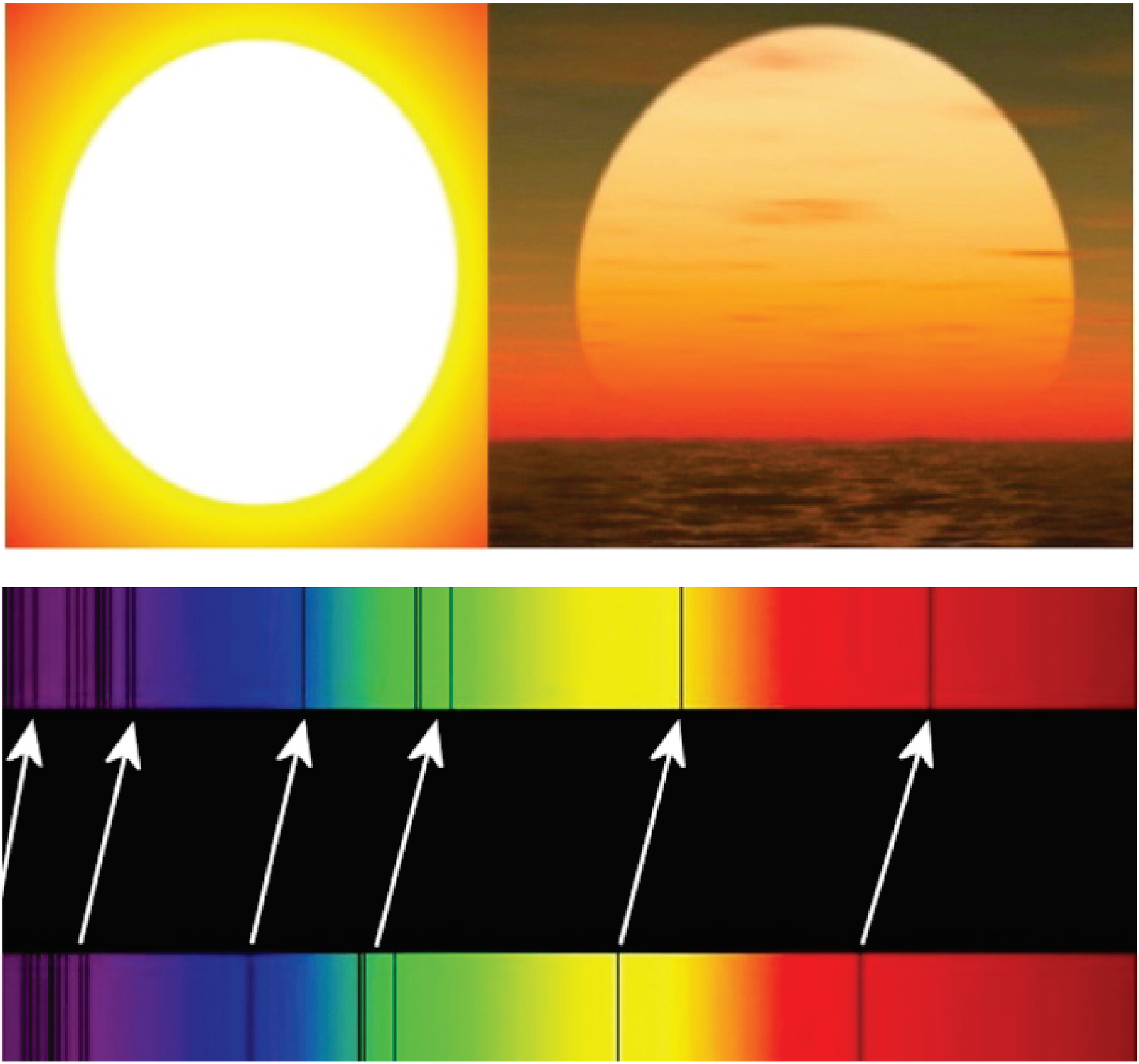
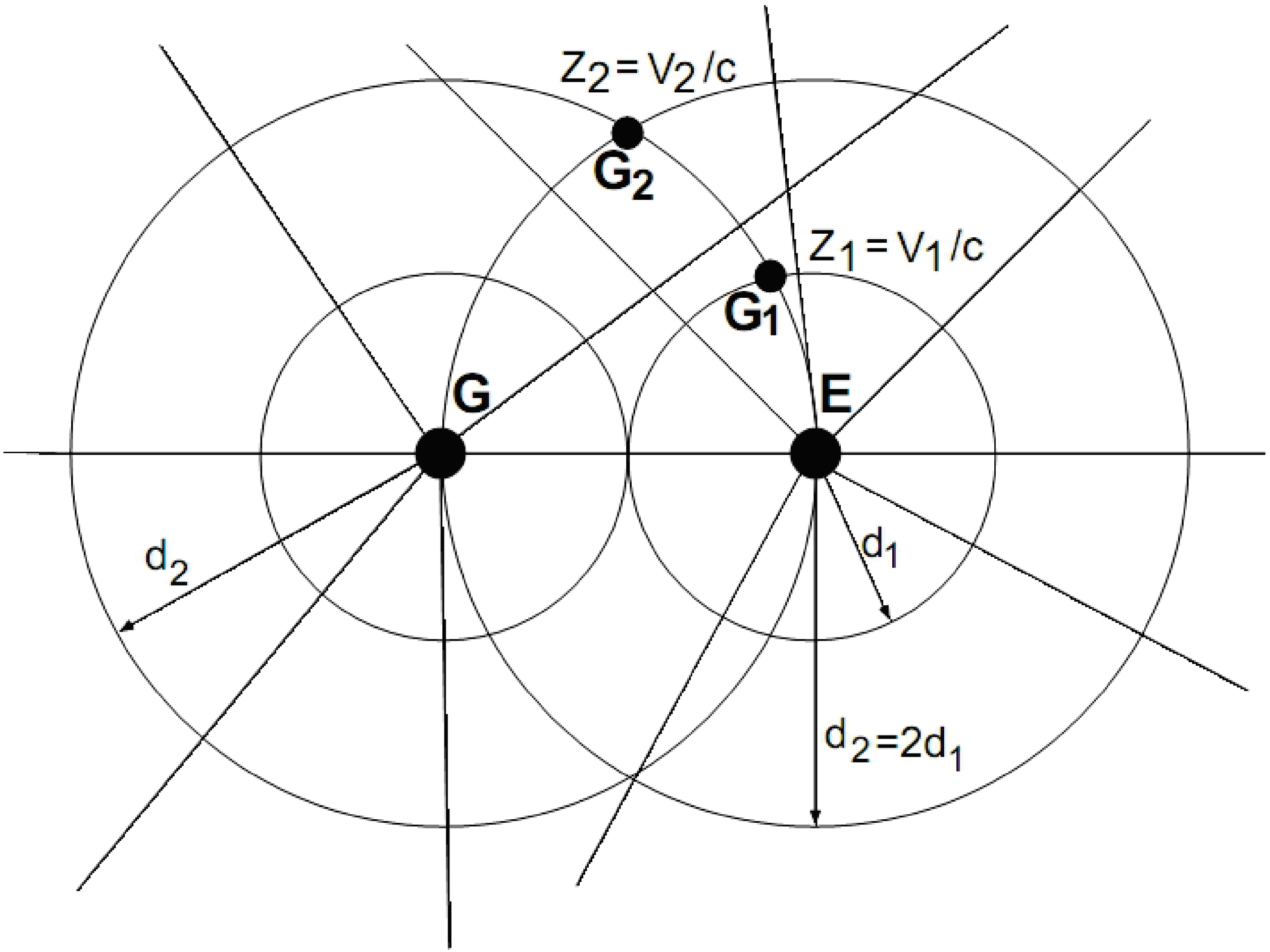
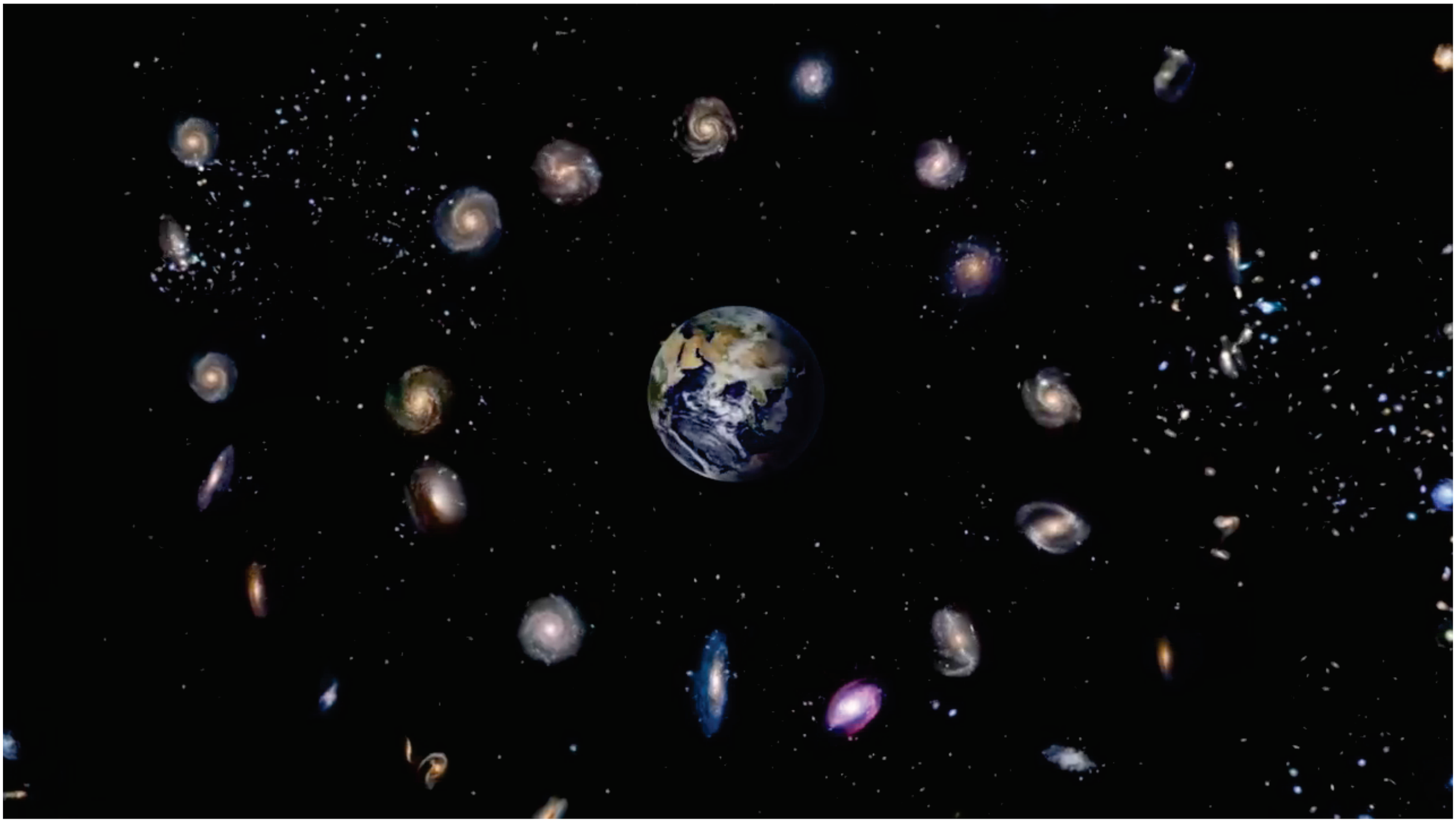
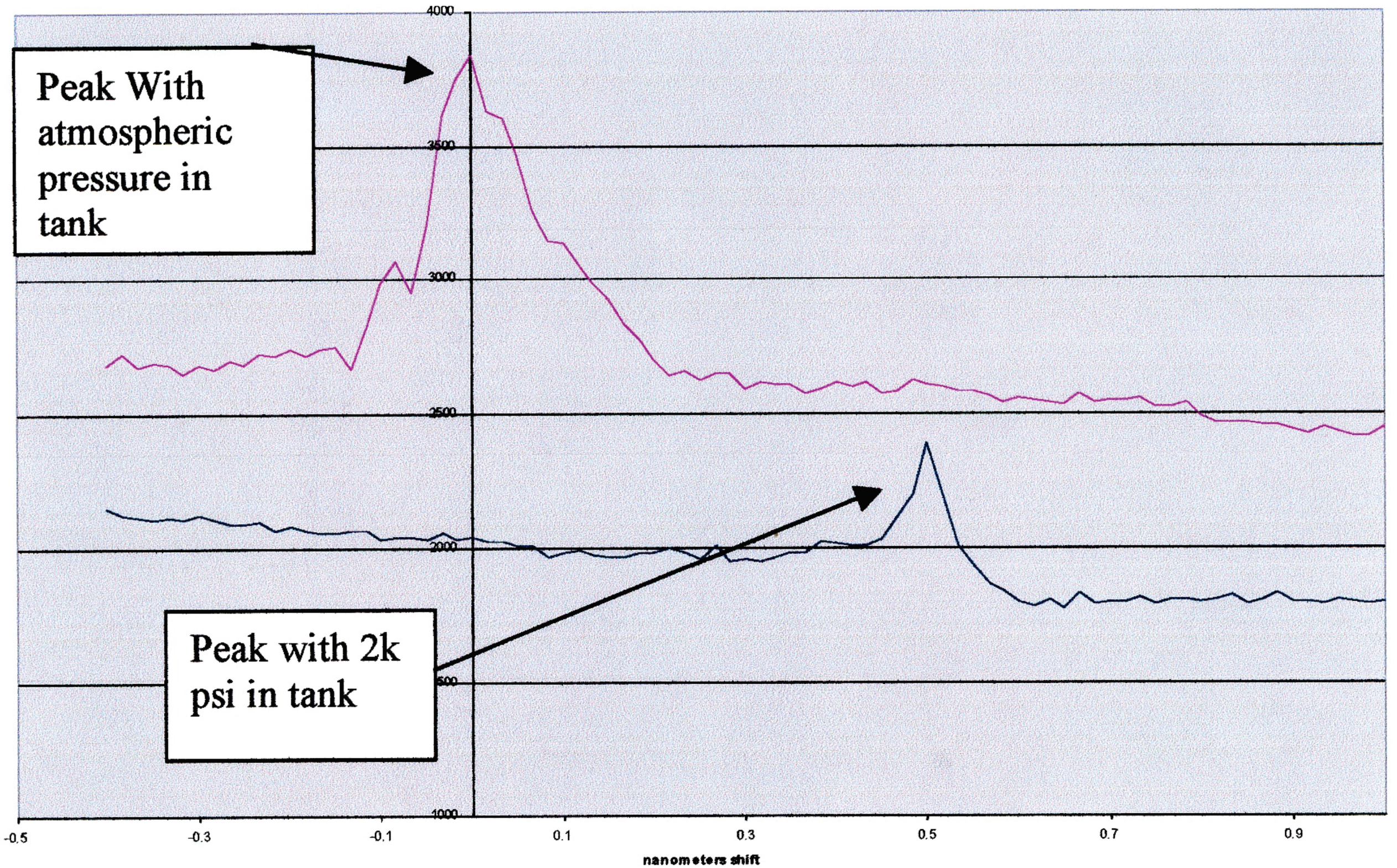
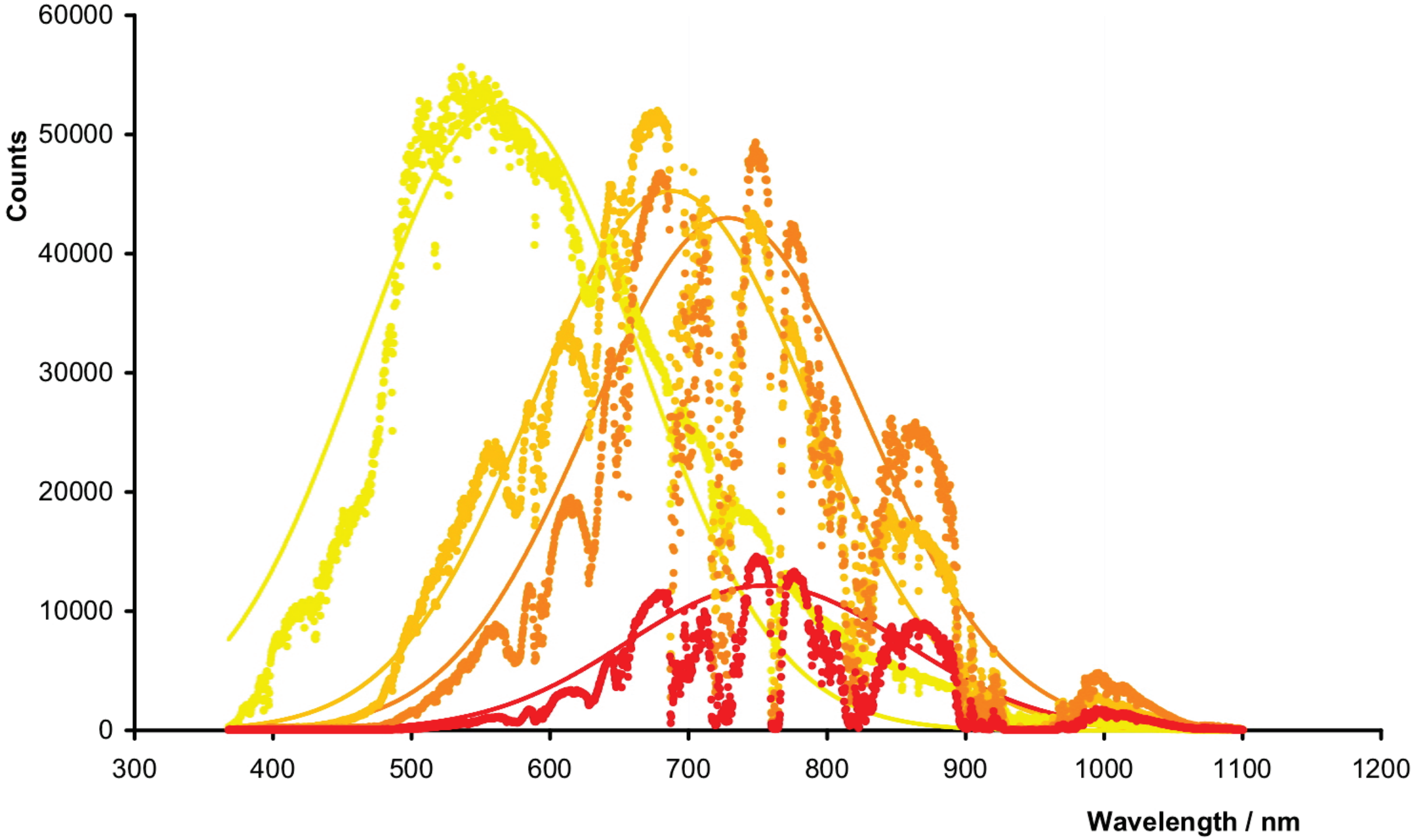





$Z_2 = V_2 / c$
G_2
$Z_1 = V_1 / c$
G_1
G
E
d_2
d_1
$d_2 = 2d_1$

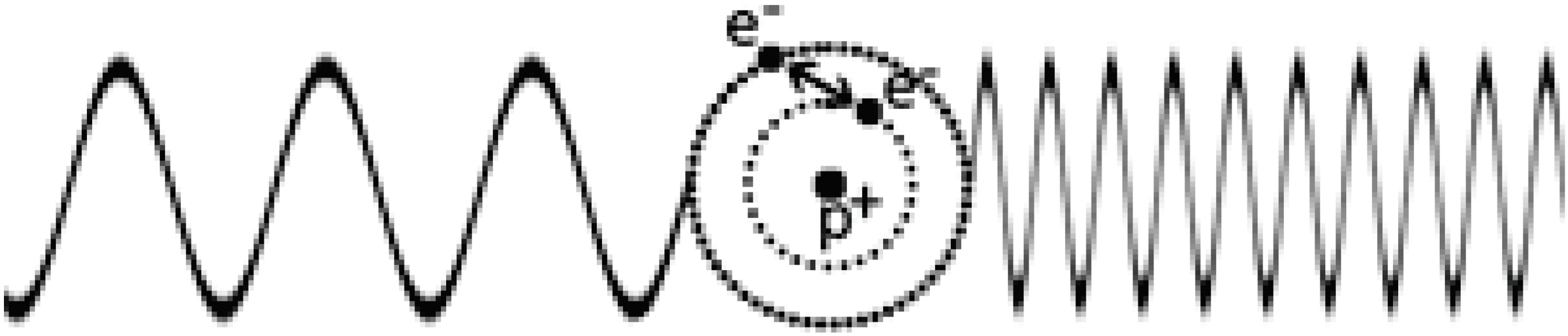



Peak With atmospheric pressure in tank
Peak with 2k psi in tank
4000
3500
3000
2500
2000
500
1000
-0.5
-0.3
-0.1
0.1
0.3
0.5
0.7
0.9
nanometers shift


60000
50000
40000
30000
20000
10000
0
Counts
300
400
500
600
700
800
900
1000
1100
1200
Wavelength / nm

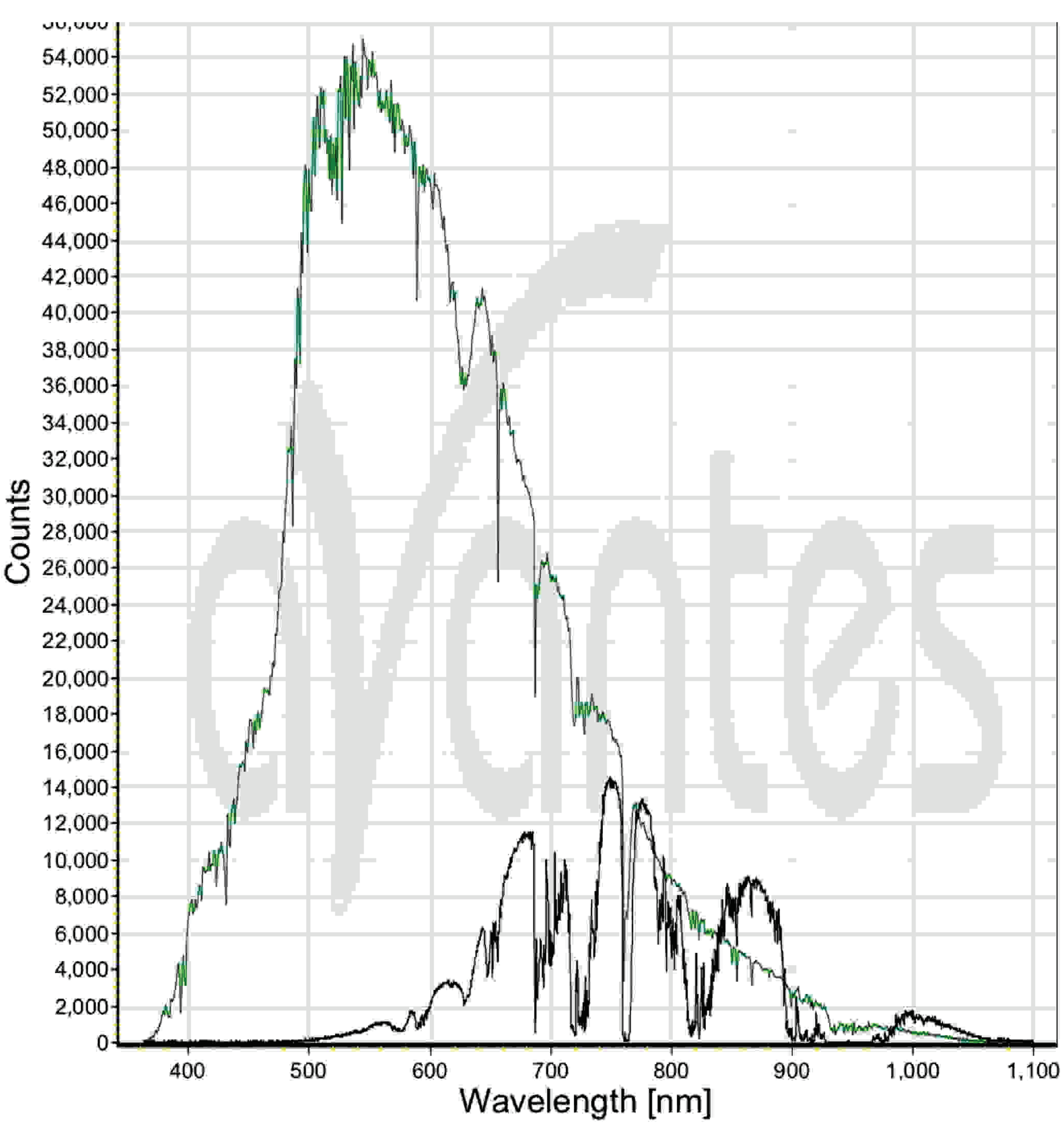
$\nu^1 < \nu$

$E^1 = h\nu^1$ $E = h\nu$





λ^1 $\lambda^1 > \lambda$ λ


Counts
54,000
52,000
50,000
48,000
46,000
44,000
42,000
40,000
38,000
36,000
34,000
32,000
30,000
28,000
26,000
24,000
22,000
20,000
18,000
16,000
14,000
12,000
10,000
8,000
6,000
4,000
2,000
0
400
500
600
700
800
900
1,000
1,100
Wavelength [nm]



