

Nitrogen Dioxide (NO₂)

Z = 22

Molecular Mass : $M_A = 46.0055$

$$\sigma_a(\text{Mb}) = 109.76097 \frac{df}{dE} (\text{eV}^{-1})$$

$$\mu_m = \sigma_a \cdot N_A \cdot M_A^{-1}$$

Table I. Oscillator-strength density, df/dE , photoabsorption cross section, σ_a , and mass absorption coefficient, μ_m .

Energy (eV)	f_n (eV ⁻¹)	σ_a (Mb)	μ_m (cm ² g ⁻¹)	λ (Å)
1.8000E+00	5.0950E-05	5.5923E-03	7.3204E+01	6.8880E+03
2.0000E+00	2.8819E-04	3.1632E-02	4.1406E+02	6.1992E+03
2.2000E+00	8.1281E-04	8.9215E-02	1.1678E+03	5.6356E+03
2.4000E+00	1.7952E-03	1.9704E-01	2.5793E+03	5.1660E+03
2.6000E+00	3.4216E-03	3.7556E-01	4.9161E+03	4.7686E+03
2.8000E+00	4.7933E-03	5.2612E-01	6.8869E+03	4.4280E+03
3.0000E+00	5.8943E-03	6.4696E-01	8.4688E+03	4.1328E+03
3.2000E+00	5.8608E-03	6.4329E-01	8.4207E+03	3.8745E+03
3.4000E+00	4.9286E-03	5.4097E-01	7.0813E+03	3.6466E+03
3.6000E+00	3.8961E-03	4.2764E-01	5.5978E+03	3.4440E+03
3.8000E+00	2.6590E-03	2.9185E-01	3.8203E+03	3.2627E+03
4.0000E+00	1.7618E-03	1.9337E-01	2.5312E+03	3.0996E+03
4.2000E+00	9.4815E-04	1.0407E-01	1.3623E+03	2.9520E+03
4.4000E+00	6.0981E-04	6.6933E-02	8.7616E+02	2.8178E+03
4.6000E+00	3.5585E-04	3.9059E-02	5.1128E+02	2.6953E+03
4.8000E+00	1.6093E-04	1.7664E-02	2.3122E+02	2.5830E+03
5.0000E+00	2.1939E-04	2.4080E-02	3.1521E+02	2.4797E+03
5.2000E+00	9.5114E-04	1.0440E-01	1.3666E+03	2.3843E+03
5.4000E+00	2.3851E-03	2.6179E-01	3.4268E+03	2.2960E+03
5.6000E+00	4.1849E-03	4.5933E-01	6.0127E+03	2.2140E+03
5.8000E+00	4.6828E-03	5.1399E-01	6.7281E+03	2.1377E+03
6.0000E+00	5.0775E-03	5.5732E-01	7.2953E+03	2.0664E+03
6.2000E+00	5.5899E-03	6.1355E-01	8.0314E+03	1.9997E+03
6.3000E+00	9.1646E-03	1.0059E+00	1.3167E+04	1.9680E+03
6.5000E+00	1.1246E-02	1.2344E+00	1.6159E+04	1.9074E+03
6.7400E+00	2.1568E-02	2.3674E+00	3.0989E+04	1.8395E+03
7.0000E+00	7.3134E-02	8.0273E+00	1.0508E+05	1.7712E+03
7.2000E+00	1.1532E-01	1.2658E+01	1.6570E+05	1.7220E+03
7.3500E+00	1.5096E-01	1.6569E+01	2.1689E+05	1.6869E+03

Table I. Oscillator-strength density, df/dE , photoabsorption cross section, σ_a , and mass absorption coefficient, μ_m . (Continued)

Energy (eV)	f_n (eV ⁻¹)	σ_a (Mb)	μ_m (cm ² g ⁻¹)	λ (Å)
7.5000E+00	1.6128E-01	1.7702E+01	2.3172E+05	1.6531E+03
7.6800E+00	1.5284E-01	1.6776E+01	2.1959E+05	1.6144E+03
7.8500E+00	1.3441E-01	1.4753E+01	1.9311E+05	1.5794E+03
8.0000E+00	1.4148E-01	1.5530E+01	2.0328E+05	1.5498E+03
8.2500E+00	1.0286E-01	1.1290E+01	1.4779E+05	1.5028E+03
8.5000E+00	1.1862E-01	1.3020E+01	1.7043E+05	1.4586E+03
8.6300E+00	1.3853E-01	1.5205E+01	1.9904E+05	1.4367E+03
8.7300E+00	1.2608E-01	1.3839E+01	1.8115E+05	1.4202E+03
9.0000E+00	1.0120E-01	1.1107E+01	1.4540E+05	1.3776E+03
9.1900E+00	8.5436E-02	9.3775E+00	1.2275E+05	1.3491E+03
9.3800E+00	4.1472E-02	4.5520E+00	5.9586E+04	1.3218E+03
9.3828E+00	5.6416E-02	6.1923E+00	8.1057E+04	1.3214E+03
9.3942E+00	7.5159E-02	8.2495E+00	1.0799E+05	1.3198E+03
9.3970E+00	5.4868E-02	6.0224E+00	7.8833E+04	1.3194E+03
9.4013E+00	5.1803E-02	5.6859E+00	7.4429E+04	1.3188E+03
9.4084E+00	5.8590E-02	6.4309E+00	8.4181E+04	1.3178E+03
9.4127E+00	7.3705E-02	8.0899E+00	1.0590E+05	1.3172E+03
9.4199E+00	6.4799E-02	7.1124E+00	9.3102E+04	1.3162E+03
9.4234E+00	8.5366E-02	9.3699E+00	1.2265E+05	1.3157E+03
9.4306E+00	5.5029E-02	6.0400E+00	7.9064E+04	1.3147E+03
9.4363E+00	8.3442E-02	9.1586E+00	1.1989E+05	1.3139E+03
9.4428E+00	5.6356E-02	6.1857E+00	8.0971E+04	1.3130E+03
9.4479E+00	6.9077E-02	7.5819E+00	9.9248E+04	1.3123E+03
9.4515E+00	7.7206E-02	8.4742E+00	1.1093E+05	1.3118E+03
9.4529E+00	6.7443E-02	7.4026E+00	9.6901E+04	1.3116E+03
9.4616E+00	7.0688E-02	7.7587E+00	1.0156E+05	1.3104E+03
9.4666E+00	8.2069E-02	9.0080E+00	1.1792E+05	1.3097E+03
9.4695E+00	9.0773E-02	9.9634E+00	1.3042E+05	1.3093E+03
9.4709E+00	9.8045E-02	1.0762E+01	1.4087E+05	1.3091E+03
9.4782E+00	9.3443E-02	1.0256E+01	1.3426E+05	1.3081E+03
9.4833E+00	8.5881E-02	9.4263E+00	1.2339E+05	1.3074E+03
9.4891E+00	9.0180E-02	9.8983E+00	1.2957E+05	1.3066E+03
9.4898E+00	1.1592E-01	1.2723E+01	1.6655E+05	1.3065E+03
9.4934E+00	1.3457E-01	1.4771E+01	1.9335E+05	1.3060E+03
9.4985E+00	1.4136E-01	1.5516E+01	2.0310E+05	1.3053E+03
9.5080E+00	1.4805E-01	1.6250E+01	2.1272E+05	1.3040E+03

Table I. Oscillator-strength density, df/dE , photoabsorption cross section, σ_a , and mass absorption coefficient, μ_m . (Continued)

Energy (eV)	f_n (eV ⁻¹)	σ_a (Mb)	μ_m (cm ² g ⁻¹)	λ (Å)
9.5146E+00	1.4996E-01	1.6459E+01	2.1545E+05	1.3031E+03
9.5219E+00	1.4349E-01	1.5749E+01	2.0616E+05	1.3021E+03
9.5314E+00	1.2698E-01	1.3937E+01	1.8244E+05	1.3008E+03
9.5402E+00	1.2806E-01	1.4056E+01	1.8400E+05	1.2996E+03
9.5497E+00	1.5145E-01	1.6623E+01	2.1760E+05	1.2983E+03
9.5600E+00	1.9284E-01	2.1167E+01	2.7707E+05	1.2969E+03
9.5630E+00	2.4208E-01	2.6571E+01	3.4782E+05	1.2965E+03
9.5704E+00	2.6817E-01	2.9435E+01	3.8530E+05	1.2955E+03
9.5726E+00	3.2814E-01	3.6017E+01	4.7147E+05	1.2952E+03
9.5815E+00	3.5837E-01	3.9335E+01	5.1490E+05	1.2940E+03
9.5860E+00	3.7292E-01	4.0932E+01	5.3581E+05	1.2934E+03
9.5978E+00	3.1481E-01	3.4553E+01	4.5231E+05	1.2918E+03
9.6060E+00	2.6848E-01	2.9468E+01	3.8574E+05	1.2907E+03
9.6119E+00	2.1386E-01	2.3474E+01	3.0728E+05	1.2899E+03
9.6194E+00	2.4374E-01	2.6753E+01	3.5020E+05	1.2889E+03
9.6239E+00	1.8084E-01	1.9849E+01	2.5983E+05	1.2883E+03
9.6351E+00	2.5581E-01	2.8078E+01	3.6754E+05	1.2868E+03
9.6433E+00	3.3896E-01	3.7204E+01	4.8700E+05	1.2857E+03
9.6471E+00	4.1357E-01	4.5393E+01	5.9420E+05	1.2852E+03
9.6599E+00	5.6701E-01	6.2235E+01	8.1466E+05	1.2835E+03
9.6681E+00	4.9752E-01	5.4609E+01	7.1483E+05	1.2824E+03
9.6764E+00	3.5777E-01	3.9269E+01	5.1403E+05	1.2813E+03
9.6870E+00	2.4513E-01	2.6906E+01	3.5220E+05	1.2799E+03
9.6923E+00	1.9750E-01	2.1678E+01	2.8377E+05	1.2792E+03
9.6969E+00	2.1265E-01	2.3341E+01	3.0554E+05	1.2786E+03
9.7014E+00	1.8659E-01	2.0480E+01	2.6808E+05	1.2780E+03
9.7166E+00	2.3962E-01	2.6301E+01	3.4428E+05	1.2760E+03
9.7281E+00	2.8580E-01	3.1370E+01	4.1064E+05	1.2745E+03
9.7296E+00	3.6705E-01	4.0288E+01	5.2737E+05	1.2743E+03
9.7334E+00	3.8850E-01	4.2642E+01	5.5819E+05	1.2738E+03
9.7388E+00	4.2068E-01	4.6174E+01	6.0443E+05	1.2731E+03
9.7449E+00	3.6083E-01	3.9605E+01	5.1843E+05	1.2723E+03
9.7503E+00	3.7547E-01	4.1212E+01	5.3947E+05	1.2716E+03
9.7572E+00	3.2480E-01	3.5651E+01	4.6667E+05	1.2707E+03
9.7671E+00	2.5581E-01	2.8078E+01	3.6754E+05	1.2694E+03
9.7864E+00	1.7379E-01	1.9075E+01	2.4969E+05	1.2669E+03

Table I. Oscillator-strength density, df/dE , photoabsorption cross section, σ_a , and mass absorption coefficient, μ_m . (Continued)

Energy (eV)	f_n (eV ⁻¹)	σ_a (Mb)	μ_m (cm ² g ⁻¹)	λ (Å)
9.7895E+00	1.8395E-01	2.0191E+01	2.6430E+05	1.2665E+03
9.7942E+00	1.7085E-01	1.8752E+01	2.4547E+05	1.2659E+03
9.7972E+00	1.8084E-01	1.9849E+01	2.5983E+05	1.2655E+03
9.8027E+00	1.8084E-01	1.9849E+01	2.5983E+05	1.2648E+03
9.8050E+00	2.1754E-01	2.3878E+01	3.1256E+05	1.2645E+03
9.8097E+00	2.9072E-01	3.1910E+01	4.1770E+05	1.2639E+03
9.8221E+00	3.3039E-01	3.6264E+01	4.7470E+05	1.2623E+03
9.8385E+00	2.8825E-01	3.1639E+01	4.1415E+05	1.2602E+03
9.8572E+00	2.3027E-01	2.5275E+01	3.3085E+05	1.2578E+03
9.8784E+00	2.0906E-01	2.2946E+01	3.0037E+05	1.2551E+03
9.8918E+00	2.5148E-01	2.7603E+01	3.6133E+05	1.2534E+03
9.8974E+00	2.3027E-01	2.5275E+01	3.3085E+05	1.2527E+03
9.9068E+00	2.3962E-01	2.6301E+01	3.4428E+05	1.2515E+03
9.9179E+00	2.1754E-01	2.3878E+01	3.1256E+05	1.2501E+03
9.9251E+00	1.9583E-01	2.1494E+01	2.8136E+05	1.2492E+03
9.9362E+00	2.2832E-01	2.5060E+01	3.2804E+05	1.2478E+03
9.9490E+00	1.9750E-01	2.1678E+01	2.8377E+05	1.2462E+03
9.9546E+00	1.7931E-01	1.9681E+01	2.5763E+05	1.2455E+03
9.9594E+00	1.6141E-01	1.7716E+01	2.3191E+05	1.2449E+03
9.9650E+00	1.6940E-01	1.8593E+01	2.4339E+05	1.2442E+03
9.9706E+00	1.6049E-01	1.7616E+01	2.3059E+05	1.2435E+03
9.9786E+00	1.8239E-01	2.0020E+01	2.6206E+05	1.2425E+03
9.9850E+00	1.6279E-01	1.7868E+01	2.3389E+05	1.2417E+03
9.9939E+00	1.6418E-01	1.8021E+01	2.3589E+05	1.2406E+03
9.9987E+00	1.7628E-01	1.9348E+01	2.5327E+05	1.2400E+03
1.0007E+01	1.6049E-01	1.7616E+01	2.3059E+05	1.2390E+03
1.0009E+01	1.8084E-01	1.9849E+01	2.5983E+05	1.2387E+03
1.0015E+01	1.6279E-01	1.7868E+01	2.3389E+05	1.2380E+03
1.0026E+01	1.8084E-01	1.9849E+01	2.5983E+05	1.2366E+03
1.0033E+01	1.5511E-01	1.7025E+01	2.2286E+05	1.2358E+03
1.0042E+01	1.3648E-01	1.4981E+01	1.9610E+05	1.2347E+03
1.0061E+01	1.2286E-01	1.3485E+01	1.7652E+05	1.2323E+03
1.0066E+01	1.3417E-01	1.4727E+01	1.9278E+05	1.2317E+03
1.0079E+01	1.1059E-01	1.2139E+01	1.5890E+05	1.2301E+03
1.0081E+01	1.1607E-01	1.2739E+01	1.6676E+05	1.2299E+03
1.0087E+01	1.2286E-01	1.3485E+01	1.7652E+05	1.2291E+03

Table I. Oscillator-strength density, df/dE , photoabsorption cross section, σ_a , and mass absorption coefficient, μ_m . (Continued)

Energy (eV)	f_n (eV ⁻¹)	σ_a (Mb)	μ_m (cm ² g ⁻¹)	λ (Å)
1.0110E+01	1.1154E-01	1.2242E+01	1.6025E+05	1.2263E+03
1.0125E+01	1.1346E-01	1.2453E+01	1.6301E+05	1.2245E+03
1.0134E+01	9.8985E-02	1.0865E+01	1.4222E+05	1.2234E+03
1.0139E+01	1.0537E-01	1.1566E+01	1.5140E+05	1.2228E+03
1.0152E+01	9.2721E-02	1.0177E+01	1.3322E+05	1.2213E+03
1.0162E+01	9.7311E-02	1.0681E+01	1.3981E+05	1.2201E+03
1.0172E+01	8.4900E-02	9.3187E+00	1.2198E+05	1.2189E+03
1.0178E+01	8.8348E-02	9.6972E+00	1.2694E+05	1.2182E+03
1.0194E+01	8.2287E-02	9.0319E+00	1.1823E+05	1.2163E+03
1.0199E+01	8.4900E-02	9.3187E+00	1.2198E+05	1.2156E+03
1.0202E+01	9.1934E-02	1.0091E+01	1.3209E+05	1.2153E+03
1.0215E+01	8.9868E-02	9.8640E+00	1.2912E+05	1.2138E+03
1.0222E+01	7.7078E-02	8.4602E+00	1.1074E+05	1.2129E+03
1.0223E+01	8.2287E-02	9.0319E+00	1.1823E+05	1.2128E+03
1.0227E+01	1.0810E-01	1.1866E+01	1.5532E+05	1.2123E+03
1.0231E+01	8.7100E-02	9.5602E+00	1.2514E+05	1.2119E+03
1.0236E+01	8.0207E-02	8.8036E+00	1.1524E+05	1.2113E+03
1.0247E+01	8.7100E-02	9.5602E+00	1.2514E+05	1.2100E+03
1.0258E+01	7.9076E-02	8.6794E+00	1.1361E+05	1.2086E+03
1.0264E+01	7.9526E-02	8.7288E+00	1.1426E+05	1.2079E+03
1.0274E+01	6.7249E-02	7.3813E+00	9.6621E+04	1.2068E+03
1.0280E+01	7.0577E-02	7.7466E+00	1.0140E+05	1.2061E+03
1.0290E+01	5.8671E-02	6.4397E+00	8.4297E+04	1.2049E+03
1.0294E+01	6.2992E-02	6.9141E+00	9.0506E+04	1.2044E+03
1.0307E+01	6.8988E-02	7.5722E+00	9.9121E+04	1.2029E+03
1.0323E+01	5.9173E-02	6.4948E+00	8.5018E+04	1.2010E+03
1.0331E+01	6.1576E-02	6.7586E+00	8.8471E+04	1.2001E+03
1.0338E+01	5.7677E-02	6.3307E+00	8.2869E+04	1.1993E+03
1.0344E+01	6.4622E-02	7.0930E+00	9.2847E+04	1.1986E+03
1.0351E+01	5.4181E-02	5.9469E+00	7.7845E+04	1.1978E+03
1.0355E+01	5.5429E-02	6.0839E+00	7.9638E+04	1.1973E+03
1.0365E+01	4.9611E-02	5.4454E+00	7.1280E+04	1.1962E+03
1.0376E+01	5.0753E-02	5.5707E+00	7.2920E+04	1.1949E+03
1.0380E+01	5.8172E-02	6.3850E+00	8.3580E+04	1.1944E+03
1.0385E+01	4.9893E-02	5.4763E+00	7.1685E+04	1.1939E+03
1.0387E+01	5.5429E-02	6.0839E+00	7.9638E+04	1.1937E+03

Table I. Oscillator-strength density, df/dE , photoabsorption cross section, σ_a , and mass absorption coefficient, μ_m . (Continued)

Energy (eV)	f_n (eV ⁻¹)	σ_a (Mb)	μ_m (cm ² g ⁻¹)	λ (Å)
1.0393E+01	4.7270E-02	5.1884E+00	6.7916E+04	1.1930E+03
1.0395E+01	5.4645E-02	5.9978E+00	7.8512E+04	1.1927E+03
1.0407E+01	4.4657E-02	4.9016E+00	6.4162E+04	1.1913E+03
1.0414E+01	5.8671E-02	6.4397E+00	8.4297E+04	1.1905E+03
1.0424E+01	5.7677E-02	6.3307E+00	8.2869E+04	1.1894E+03
1.0433E+01	4.9893E-02	5.4763E+00	7.1685E+04	1.1884E+03
1.0439E+01	6.3529E-02	6.9730E+00	9.1276E+04	1.1877E+03
1.0443E+01	5.2365E-02	5.7477E+00	7.5237E+04	1.1872E+03
1.0449E+01	5.7677E-02	6.3307E+00	8.2869E+04	1.1866E+03
1.0455E+01	4.9893E-02	5.4763E+00	7.1685E+04	1.1859E+03
1.0467E+01	6.2992E-02	6.9141E+00	9.0506E+04	1.1845E+03
1.0479E+01	6.0018E-02	6.5877E+00	8.6233E+04	1.1832E+03
1.0483E+01	6.7823E-02	7.4443E+00	9.7446E+04	1.1827E+03
1.0489E+01	6.3529E-02	6.9730E+00	9.1276E+04	1.1820E+03
1.0500E+01	6.9978E-02	7.6809E+00	1.0054E+05	1.1808E+03
1.0510E+01	5.9678E-02	6.5503E+00	8.5744E+04	1.1797E+03
1.0515E+01	5.7350E-02	6.2948E+00	8.2400E+04	1.1791E+03
1.0522E+01	6.6111E-02	7.2564E+00	9.4986E+04	1.1783E+03
1.0534E+01	5.7350E-02	6.2948E+00	8.2400E+04	1.1770E+03
1.0546E+01	6.5175E-02	7.1537E+00	9.3643E+04	1.1756E+03
1.0552E+01	6.1576E-02	6.7586E+00	8.8471E+04	1.1750E+03
1.0563E+01	5.7677E-02	6.3307E+00	8.2869E+04	1.1738E+03
1.0575E+01	6.8988E-02	7.5722E+00	9.9121E+04	1.1724E+03
1.0592E+01	7.1182E-02	7.8130E+00	1.0227E+05	1.1706E+03
1.0598E+01	6.2992E-02	6.9141E+00	9.0506E+04	1.1699E+03
1.0603E+01	6.6111E-02	7.2564E+00	9.4986E+04	1.1693E+03
1.0611E+01	5.7350E-02	6.2948E+00	8.2400E+04	1.1684E+03
1.0613E+01	6.7823E-02	7.4443E+00	9.7446E+04	1.1682E+03
1.0619E+01	7.1790E-02	7.8798E+00	1.0315E+05	1.1676E+03
1.0628E+01	6.6674E-02	7.3183E+00	9.5796E+04	1.1666E+03
1.0633E+01	7.2818E-02	7.9926E+00	1.0462E+05	1.1660E+03
1.0641E+01	7.6425E-02	8.3885E+00	1.0981E+05	1.1652E+03
1.0650E+01	6.9978E-02	7.6809E+00	1.0054E+05	1.1642E+03
1.0664E+01	5.4181E-02	5.9469E+00	7.7845E+04	1.1626E+03
1.0673E+01	6.2635E-02	6.8748E+00	8.9992E+04	1.1617E+03
1.0686E+01	5.6381E-02	6.1884E+00	8.1007E+04	1.1602E+03

Table I. Oscillator-strength density, df/dE , photoabsorption cross section, σ_a , and mass absorption coefficient, $m\mu_m$. (Continued)

Energy (eV)	f_n (eV ⁻¹)	σ_a (Mb)	μ_m (cm ² g ⁻¹)	λ (Å)
1.0702E+01	6.4075E-02	7.0330E+00	9.2062E+04	1.1585E+03
1.0708E+01	6.2635E-02	6.8748E+00	8.9992E+04	1.1579E+03
1.0710E+01	6.9978E-02	7.6809E+00	1.0054E+05	1.1576E+03
1.0718E+01	6.6674E-02	7.3183E+00	9.5796E+04	1.1568E+03
1.0723E+01	7.2818E-02	7.9926E+00	1.0462E+05	1.1562E+03
1.0729E+01	5.7350E-02	6.2948E+00	8.2400E+04	1.1556E+03
1.0735E+01	4.9611E-02	5.4454E+00	7.1280E+04	1.1549E+03
1.0742E+01	5.0753E-02	5.5707E+00	7.2920E+04	1.1542E+03
1.0746E+01	5.9678E-02	6.5503E+00	8.5744E+04	1.1538E+03
1.0770E+01	5.2812E-02	5.7967E+00	7.5879E+04	1.1512E+03
1.0794E+01	5.6381E-02	6.1884E+00	8.1007E+04	1.1486E+03
1.0810E+01	6.5736E-02	7.2152E+00	9.4448E+04	1.1469E+03
1.0825E+01	8.7100E-02	9.5602E+00	1.2514E+05	1.1454E+03
1.0833E+01	1.2112E-01	1.3295E+01	1.7403E+05	1.1445E+03
1.0841E+01	1.5644E-01	1.7171E+01	2.2476E+05	1.1437E+03
1.0850E+01	1.6701E-01	1.8331E+01	2.3995E+05	1.1427E+03
1.0887E+01	1.0126E-01	1.1115E+01	1.4549E+05	1.1388E+03
1.0895E+01	1.0903E-01	1.1967E+01	1.5665E+05	1.1380E+03
1.0912E+01	1.1607E-01	1.2739E+01	1.6676E+05	1.1362E+03
1.0920E+01	9.9835E-02	1.0958E+01	1.4344E+05	1.1354E+03
1.0932E+01	1.0389E-01	1.1403E+01	1.4926E+05	1.1341E+03
1.0943E+01	9.5939E-02	1.0530E+01	1.3784E+05	1.1330E+03
1.0952E+01	1.0628E-01	1.1665E+01	1.5270E+05	1.1321E+03
1.0971E+01	1.0213E-01	1.1210E+01	1.4674E+05	1.1301E+03
1.0981E+01	1.0478E-01	1.1500E+01	1.5054E+05	1.1291E+03
1.0997E+01	8.4900E-02	9.3187E+00	1.2198E+05	1.1274E+03
1.1009E+01	8.9868E-02	9.8640E+00	1.2912E+05	1.1262E+03
1.1021E+01	8.0207E-02	8.8036E+00	1.1524E+05	1.1250E+03
1.1036E+01	8.7595E-02	9.6145E+00	1.2585E+05	1.1235E+03
1.1054E+01	9.4317E-02	1.0352E+01	1.3551E+05	1.1216E+03
1.1066E+01	8.2287E-02	9.0319E+00	1.1823E+05	1.1204E+03
1.1076E+01	9.6486E-02	1.0590E+01	1.3863E+05	1.1194E+03
1.1095E+01	1.1706E-01	1.2849E+01	1.6819E+05	1.1175E+03
1.1120E+01	1.3648E-01	1.4981E+01	1.9610E+05	1.1150E+03
1.1135E+01	1.2181E-01	1.3370E+01	1.7502E+05	1.1135E+03
1.1161E+01	1.1541E-01	1.2667E+01	1.6582E+05	1.1109E+03

Table I. Oscillator-strength density, df/dE , photoabsorption cross section, σ_a , and mass absorption coefficient, μ_m . (Continued)

Energy (eV)	f_n (eV ⁻¹)	σ_a (Mb)	μ_m (cm ² g ⁻¹)	λ (Å)
1.1177E+01	1.2497E-01	1.3717E+01	1.7955E+05	1.1093E+03
1.1184E+01	1.0628E-01	1.1665E+01	1.5270E+05	1.1086E+03
1.1187E+01	1.1541E-01	1.2667E+01	1.6582E+05	1.1083E+03
1.1194E+01	1.2112E-01	1.3295E+01	1.7403E+05	1.1076E+03
1.1197E+01	1.2712E-01	1.3953E+01	1.8264E+05	1.1073E+03
1.1204E+01	1.2010E-01	1.3182E+01	1.7255E+05	1.1066E+03
1.1212E+01	1.2391E-01	1.3600E+01	1.7803E+05	1.1058E+03
1.1219E+01	1.0478E-01	1.1500E+01	1.5054E+05	1.1051E+03
1.1225E+01	1.0903E-01	1.1967E+01	1.5665E+05	1.1045E+03
1.1235E+01	1.0069E-01	1.1052E+01	1.4467E+05	1.1036E+03
1.1240E+01	1.5675E-01	1.7205E+01	2.2521E+05	1.1031E+03
1.1245E+01	1.4714E-01	1.6150E+01	2.1141E+05	1.1026E+03
1.1252E+01	1.8125E-01	1.9894E+01	2.6042E+05	1.1019E+03
1.1265E+01	1.4701E-01	1.6136E+01	2.1123E+05	1.1006E+03
1.1271E+01	1.5148E-01	1.6627E+01	2.1765E+05	1.1000E+03
1.1275E+01	1.5077E-01	1.6549E+01	2.1662E+05	1.0996E+03
1.1291E+01	1.4334E-01	1.5733E+01	2.0594E+05	1.0981E+03
1.1301E+01	1.4686E-01	1.6119E+01	2.1100E+05	1.0971E+03
1.1309E+01	1.4402E-01	1.5808E+01	2.0693E+05	1.0963E+03
1.1318E+01	1.3413E-01	1.4722E+01	1.9271E+05	1.0955E+03
1.1325E+01	1.3624E-01	1.4953E+01	1.9574E+05	1.0948E+03
1.1340E+01	1.5423E-01	1.6928E+01	2.2159E+05	1.0933E+03
1.1349E+01	1.6234E-01	1.7819E+01	2.3325E+05	1.0925E+03
1.1353E+01	1.6304E-01	1.7896E+01	2.3425E+05	1.0921E+03
1.1358E+01	1.6056E-01	1.7623E+01	2.3069E+05	1.0916E+03
1.1367E+01	1.5243E-01	1.6731E+01	2.1901E+05	1.0907E+03
1.1381E+01	1.2452E-01	1.3668E+01	1.7891E+05	1.0894E+03
1.1392E+01	1.6158E-01	1.7736E+01	2.3216E+05	1.0883E+03
1.1403E+01	1.2838E-01	1.4091E+01	1.8445E+05	1.0873E+03
1.1409E+01	1.3332E-01	1.4633E+01	1.9155E+05	1.0867E+03
1.1425E+01	1.7426E-01	1.9127E+01	2.5037E+05	1.0852E+03
1.1443E+01	1.3151E-01	1.4435E+01	1.8896E+05	1.0835E+03
1.1462E+01	1.3008E-01	1.4278E+01	1.8690E+05	1.0817E+03
1.1477E+01	1.1876E-01	1.3035E+01	1.7063E+05	1.0803E+03
1.1485E+01	1.1946E-01	1.3112E+01	1.7163E+05	1.0795E+03
1.1494E+01	1.4382E-01	1.5786E+01	2.0663E+05	1.0787E+03

Table I. Oscillator-strength density, df/dE , photoabsorption cross section, σ_a , and mass absorption coefficient, μ_m . (Continued)

Energy (eV)	f_n (eV ⁻¹)	σ_a (Mb)	μ_m (cm ² g ⁻¹)	λ (Å)
1.1507E+01	2.0277E-01	2.2256E+01	2.9133E+05	1.0775E+03
1.1512E+01	1.5863E-01	1.7411E+01	2.2791E+05	1.0770E+03
1.1526E+01	1.2436E-01	1.3650E+01	1.7868E+05	1.0757E+03
1.1545E+01	1.4870E-01	1.6321E+01	2.1365E+05	1.0739E+03
1.1554E+01	1.5258E-01	1.6747E+01	2.1922E+05	1.0731E+03
1.1564E+01	1.6987E-01	1.8645E+01	2.4406E+05	1.0722E+03
1.1571E+01	1.6633E-01	1.8257E+01	2.3898E+05	1.0715E+03
1.1578E+01	1.6985E-01	1.8643E+01	2.4404E+05	1.0709E+03
1.1580E+01	1.7762E-01	1.9495E+01	2.5519E+05	1.0707E+03
1.1589E+01	2.2174E-01	2.4339E+01	3.1860E+05	1.0698E+03
1.1598E+01	1.7301E-01	1.8989E+01	2.4857E+05	1.0690E+03
1.1604E+01	1.3416E-01	1.4726E+01	1.9276E+05	1.0685E+03
1.1614E+01	1.1579E-01	1.2709E+01	1.6636E+05	1.0675E+03
1.1623E+01	1.2072E-01	1.3250E+01	1.7345E+05	1.0667E+03
1.1631E+01	1.2778E-01	1.4025E+01	1.8359E+05	1.0660E+03
1.1638E+01	1.2706E-01	1.3946E+01	1.8256E+05	1.0653E+03
1.1650E+01	1.4294E-01	1.5689E+01	2.0537E+05	1.0642E+03
1.1658E+01	1.7436E-01	1.9137E+01	2.5051E+05	1.0635E+03
1.1668E+01	2.0754E-01	2.2779E+01	2.9818E+05	1.0626E+03
1.1677E+01	1.5456E-01	1.6965E+01	2.2207E+05	1.0618E+03
1.1682E+01	1.2913E-01	1.4174E+01	1.8553E+05	1.0613E+03
1.1696E+01	1.1535E-01	1.2661E+01	1.6573E+05	1.0601E+03
1.1714E+01	1.2098E-01	1.3279E+01	1.7382E+05	1.0584E+03
1.1725E+01	1.2450E-01	1.3665E+01	1.7887E+05	1.0574E+03
1.1739E+01	1.5273E-01	1.6764E+01	2.1944E+05	1.0562E+03
1.1751E+01	1.8026E-01	1.9786E+01	2.5900E+05	1.0551E+03
1.1761E+01	1.4211E-01	1.5598E+01	2.0418E+05	1.0542E+03
1.1770E+01	1.1739E-01	1.2885E+01	1.6866E+05	1.0534E+03
1.1784E+01	1.2302E-01	1.3503E+01	1.7675E+05	1.0521E+03
1.1797E+01	1.3360E-01	1.4665E+01	1.9196E+05	1.0510E+03
1.1808E+01	1.3218E-01	1.4508E+01	1.8991E+05	1.0500E+03
1.1822E+01	1.3923E-01	1.5282E+01	2.0004E+05	1.0488E+03
1.1834E+01	1.2050E-01	1.3226E+01	1.7313E+05	1.0477E+03
1.1848E+01	1.0777E-01	1.1829E+01	1.5485E+05	1.0465E+03
1.1855E+01	1.0847E-01	1.1906E+01	1.5585E+05	1.0458E+03
1.1862E+01	1.1270E-01	1.2370E+01	1.6192E+05	1.0452E+03

Table I. Oscillator-strength density, df/dE , photoabsorption cross section, σ_a , and mass absorption coefficient, μ_m . (Continued)

Energy (eV)	f_n (eV ⁻¹)	σ_a (Mb)	μ_m (cm ² g ⁻¹)	λ (Å)
1.1878E+01	1.4058E-01	1.5430E+01	2.0198E+05	1.0438E+03
1.1884E+01	1.4340E-01	1.5740E+01	2.0603E+05	1.0433E+03
1.1891E+01	1.4374E-01	1.5778E+01	2.0653E+05	1.0427E+03
1.1894E+01	1.4092E-01	1.5467E+01	2.0247E+05	1.0424E+03
1.1906E+01	1.4161E-01	1.5543E+01	2.0346E+05	1.0414E+03
1.1912E+01	1.3702E-01	1.5039E+01	1.9686E+05	1.0408E+03
1.1924E+01	1.2535E-01	1.3758E+01	1.8010E+05	1.0398E+03
1.1936E+01	1.2533E-01	1.3757E+01	1.8008E+05	1.0387E+03
1.1951E+01	1.4121E-01	1.5499E+01	2.0289E+05	1.0374E+03
1.1961E+01	1.4685E-01	1.6118E+01	2.1099E+05	1.0366E+03
1.1979E+01	1.4930E-01	1.6388E+01	2.1452E+05	1.0350E+03
1.1993E+01	1.4294E-01	1.5689E+01	2.0537E+05	1.0338E+03
1.2000E+01	1.4258E-01	1.5649E+01	2.0485E+05	1.0332E+03
1.2008E+01	1.3727E-01	1.5067E+01	1.9722E+05	1.0325E+03
1.2020E+01	1.4149E-01	1.5530E+01	2.0329E+05	1.0315E+03
1.2030E+01	1.4961E-01	1.6421E+01	2.1495E+05	1.0306E+03
1.2053E+01	1.3864E-01	1.5217E+01	1.9919E+05	1.0287E+03
1.2072E+01	1.5521E-01	1.7036E+01	2.2300E+05	1.0270E+03
1.2080E+01	1.5344E-01	1.6842E+01	2.2046E+05	1.0264E+03
1.2094E+01	1.6261E-01	1.7848E+01	2.3363E+05	1.0252E+03
1.2104E+01	1.7637E-01	1.9358E+01	2.5340E+05	1.0243E+03
1.2122E+01	1.5622E-01	1.7147E+01	2.2446E+05	1.0228E+03
1.2132E+01	1.6080E-01	1.7650E+01	2.3104E+05	1.0220E+03
1.2135E+01	1.7174E-01	1.8851E+01	2.4676E+05	1.0217E+03
1.2139E+01	1.7704E-01	1.9432E+01	2.5437E+05	1.0214E+03
1.2148E+01	2.1517E-01	2.3617E+01	3.0915E+05	1.0206E+03
1.2159E+01	1.8019E-01	1.9778E+01	2.5890E+05	1.0197E+03
1.2170E+01	1.6818E-01	1.8460E+01	2.4164E+05	1.0188E+03
1.2184E+01	1.8053E-01	1.9815E+01	2.5937E+05	1.0176E+03
1.2204E+01	1.6391E-01	1.7991E+01	2.3550E+05	1.0159E+03
1.2219E+01	1.7802E-01	1.9540E+01	2.5578E+05	1.0147E+03
1.2228E+01	2.0379E-01	2.2368E+01	2.9280E+05	1.0139E+03
1.2238E+01	1.6423E-01	1.8026E+01	2.3596E+05	1.0131E+03
1.2247E+01	1.5398E-01	1.6901E+01	2.2124E+05	1.0124E+03
1.2266E+01	1.7727E-01	1.9457E+01	2.5469E+05	1.0108E+03
1.2284E+01	1.5394E-01	1.6897E+01	2.2118E+05	1.0093E+03

Table I. Oscillator-strength density, df/dE , photoabsorption cross section, σ_a , and mass absorption coefficient, μ_m . (Continued)

Energy (eV)	f_n (eV ⁻¹)	σ_a (Mb)	μ_m (cm ² g ⁻¹)	λ (Å)
1.2293E+01	1.5817E-01	1.7361E+01	2.2726E+05	1.0086E+03
1.2300E+01	1.7123E-01	1.8795E+01	2.4602E+05	1.0080E+03
1.2305E+01	1.8535E-01	2.0344E+01	2.6631E+05	1.0076E+03
1.2318E+01	1.5815E-01	1.7359E+01	2.2722E+05	1.0065E+03
1.2332E+01	1.6025E-01	1.7590E+01	2.3025E+05	1.0054E+03
1.2343E+01	1.7543E-01	1.9255E+01	2.5205E+05	1.0045E+03
1.2348E+01	1.8425E-01	2.0224E+01	2.6473E+05	1.0041E+03
1.2354E+01	1.8107E-01	1.9874E+01	2.6015E+05	1.0036E+03
1.2360E+01	1.8283E-01	2.0067E+01	2.6268E+05	1.0031E+03
1.2366E+01	1.7223E-01	1.8904E+01	2.4745E+05	1.0026E+03
1.2375E+01	1.6516E-01	1.8128E+01	2.3729E+05	1.0019E+03
1.2385E+01	1.7080E-01	1.8747E+01	2.4540E+05	1.0011E+03
1.2390E+01	1.6938E-01	1.8591E+01	2.4336E+05	1.0007E+03
1.2395E+01	1.6514E-01	1.8126E+01	2.3726E+05	1.0003E+03
1.2408E+01	1.6972E-01	1.8628E+01	2.4385E+05	9.9923E+02
1.2411E+01	1.8560E-01	2.0372E+01	2.6667E+05	9.9898E+02
1.2415E+01	1.9195E-01	2.1069E+01	2.7579E+05	9.9863E+02
1.2420E+01	2.0642E-01	2.2657E+01	2.9659E+05	9.9823E+02
1.2425E+01	2.0819E-01	2.2851E+01	2.9912E+05	9.9788E+02
1.2427E+01	2.1207E-01	2.3277E+01	3.0470E+05	9.9768E+02
1.2433E+01	2.0571E-01	2.2579E+01	2.9556E+05	9.9719E+02
1.2438E+01	2.0712E-01	2.2733E+01	2.9758E+05	9.9679E+02
1.2453E+01	1.7321E-01	1.9011E+01	2.4886E+05	9.9565E+02
1.2464E+01	1.6790E-01	1.8429E+01	2.4123E+05	9.9476E+02
1.2481E+01	1.7141E-01	1.8814E+01	2.4628E+05	9.9337E+02
1.2486E+01	1.7741E-01	1.9473E+01	2.5490E+05	9.9302E+02
1.2487E+01	1.9153E-01	2.1023E+01	2.7519E+05	9.9287E+02
1.2490E+01	1.9894E-01	2.1836E+01	2.8584E+05	9.9266E+02
1.2494E+01	2.0212E-01	2.2185E+01	2.9040E+05	9.9237E+02
1.2495E+01	2.0777E-01	2.2805E+01	2.9852E+05	9.9226E+02
1.2503E+01	2.1094E-01	2.3153E+01	3.0307E+05	9.9162E+02
1.2508E+01	2.0352E-01	2.2339E+01	2.9241E+05	9.9122E+02
1.2514E+01	1.8868E-01	2.0710E+01	2.7109E+05	9.9078E+02
1.2518E+01	1.9009E-01	2.0865E+01	2.7312E+05	9.9043E+02
1.2525E+01	1.7949E-01	1.9701E+01	2.5789E+05	9.8989E+02
1.2529E+01	1.6042E-01	1.7608E+01	2.3049E+05	9.8959E+02

Table I. Oscillator-strength density, df/dE , photoabsorption cross section, σ_a , and mass absorption coefficient, μ_m . (Continued)

Energy (eV)	f_n (eV ⁻¹)	σ_a (Mb)	μ_m (cm ² g ⁻¹)	λ (Å)
1.2535E+01	1.5653E-01	1.7181E+01	2.2490E+05	9.8910E+02
1.2543E+01	1.4240E-01	1.5630E+01	2.0460E+05	9.8850E+02
1.2554E+01	1.4592E-01	1.6017E+01	2.0966E+05	9.8761E+02
1.2557E+01	1.5227E-01	1.6714E+01	2.1878E+05	9.8736E+02
1.2562E+01	1.5686E-01	1.7217E+01	2.2538E+05	9.8701E+02
1.2569E+01	1.7875E-01	1.9619E+01	2.5682E+05	9.8641E+02
1.2572E+01	1.8227E-01	2.0007E+01	2.6189E+05	9.8621E+02
1.2574E+01	1.9251E-01	2.1130E+01	2.7660E+05	9.8606E+02
1.2578E+01	2.0981E-01	2.3029E+01	3.0145E+05	9.8570E+02
1.2584E+01	2.1263E-01	2.3338E+01	3.0550E+05	9.8526E+02
1.2589E+01	2.0133E-01	2.2098E+01	2.8926E+05	9.8486E+02
1.2593E+01	2.0344E-01	2.2330E+01	2.9230E+05	9.8456E+02
1.2606E+01	1.6883E-01	1.8530E+01	2.4256E+05	9.8353E+02
1.2611E+01	1.6741E-01	1.8375E+01	2.4053E+05	9.8318E+02
1.2617E+01	1.5187E-01	1.6669E+01	2.1820E+05	9.8269E+02
1.2632E+01	1.6562E-01	1.8179E+01	2.3796E+05	9.8154E+02
1.2637E+01	1.7727E-01	1.9457E+01	2.5470E+05	9.8109E+02
1.2647E+01	1.8221E-01	1.9999E+01	2.6179E+05	9.8034E+02
1.2659E+01	2.1044E-01	2.3099E+01	3.0236E+05	9.7939E+02
1.2670E+01	1.8748E-01	2.0578E+01	2.6936E+05	9.7855E+02
1.2677E+01	1.8924E-01	2.0771E+01	2.7189E+05	9.7800E+02
1.2685E+01	1.7440E-01	1.9142E+01	2.5057E+05	9.7741E+02
1.2704E+01	1.4367E-01	1.5769E+01	2.0642E+05	9.7598E+02
1.2718E+01	1.6131E-01	1.7705E+01	2.3176E+05	9.7488E+02
1.2724E+01	1.6342E-01	1.7937E+01	2.3480E+05	9.7438E+02
1.2735E+01	1.8778E-01	2.0610E+01	2.6979E+05	9.7358E+02
1.2744E+01	1.9130E-01	2.0997E+01	2.7485E+05	9.7288E+02
1.2751E+01	1.8741E-01	2.0570E+01	2.6926E+05	9.7234E+02
1.2754E+01	1.8034E-01	1.9795E+01	2.5912E+05	9.7209E+02
1.2763E+01	1.8139E-01	1.9910E+01	2.6062E+05	9.7145E+02
1.2775E+01	1.6973E-01	1.8630E+01	2.4387E+05	9.7050E+02
1.2786E+01	1.7396E-01	1.9094E+01	2.4994E+05	9.6971E+02
1.2798E+01	1.8525E-01	2.0333E+01	2.6616E+05	9.6881E+02
1.2804E+01	1.8489E-01	2.0293E+01	2.6564E+05	9.6831E+02
1.2812E+01	1.8947E-01	2.0797E+01	2.7223E+05	9.6772E+02
1.2820E+01	1.8982E-01	2.0835E+01	2.7273E+05	9.6712E+02

Table I. Oscillator-strength density, df/dE , photoabsorption cross section, σ_a , and mass absorption coefficient, μ_m . (Continued)

Energy (eV)	f_n (eV ⁻¹)	σ_a (Mb)	μ_m (cm ² g ⁻¹)	λ (Å)
1.2834E+01	1.9369E-01	2.1259E+01	2.7828E+05	9.6603E+02
1.2846E+01	1.9015E-01	2.0871E+01	2.7320E+05	9.6513E+02
1.2860E+01	1.8166E-01	1.9939E+01	2.6101E+05	9.6414E+02
1.2867E+01	1.8766E-01	2.0598E+01	2.6962E+05	9.6359E+02
1.2873E+01	1.8906E-01	2.0752E+01	2.7164E+05	9.6314E+02
1.2875E+01	1.9153E-01	2.1023E+01	2.7519E+05	9.6299E+02
1.2880E+01	1.9259E-01	2.1139E+01	2.7671E+05	9.6260E+02
1.2887E+01	1.9788E-01	2.1720E+01	2.8431E+05	9.6210E+02
1.2897E+01	1.9399E-01	2.1292E+01	2.7872E+05	9.6135E+02
1.2905E+01	1.9398E-01	2.1291E+01	2.7870E+05	9.6071E+02
1.2918E+01	1.8620E-01	2.0438E+01	2.6753E+05	9.5981E+02
1.2922E+01	1.8584E-01	2.0398E+01	2.6701E+05	9.5947E+02
1.2932E+01	1.8195E-01	1.9971E+01	2.6143E+05	9.5877E+02
1.2943E+01	1.8759E-01	2.0590E+01	2.6953E+05	9.5793E+02
1.2956E+01	1.8193E-01	1.9969E+01	2.6139E+05	9.5693E+02
1.2975E+01	1.9639E-01	2.1556E+01	2.8217E+05	9.5559E+02
1.2990E+01	1.7959E-01	1.9712E+01	2.5804E+05	9.5446E+02
1.3003E+01	1.7529E-01	1.9240E+01	2.5185E+05	9.5353E+02
1.3012E+01	1.7564E-01	1.9278E+01	2.5235E+05	9.5287E+02
1.3022E+01	1.7019E-01	1.8680E+01	2.4452E+05	9.5211E+02
1.3045E+01	1.8975E-01	2.0828E+01	2.7263E+05	9.5043E+02
1.3062E+01	1.7733E-01	1.9464E+01	2.5479E+05	9.4918E+02
1.3067E+01	1.7654E-01	1.9377E+01	2.5365E+05	9.4880E+02
1.3081E+01	1.6645E-01	1.8269E+01	2.3915E+05	9.4782E+02
1.3095E+01	1.6716E-01	1.8348E+01	2.4017E+05	9.4682E+02
1.3109E+01	1.7789E-01	1.9526E+01	2.5559E+05	9.4582E+02
1.3122E+01	1.7707E-01	1.9435E+01	2.5440E+05	9.4488E+02
1.3132E+01	1.7354E-01	1.9048E+01	2.4934E+05	9.4412E+02
1.3149E+01	1.7269E-01	1.8955E+01	2.4812E+05	9.4291E+02
1.3160E+01	1.7496E-01	1.9204E+01	2.5138E+05	9.4213E+02
1.3215E+01	1.6777E-01	1.8415E+01	2.4105E+05	9.3818E+02
1.3229E+01	1.6925E-01	1.8577E+01	2.4318E+05	9.3724E+02
1.3256E+01	1.6181E-01	1.7760E+01	2.3248E+05	9.3532E+02
1.3283E+01	1.6747E-01	1.8382E+01	2.4062E+05	9.3339E+02
1.3312E+01	1.8085E-01	1.9850E+01	2.5984E+05	9.3139E+02
1.3334E+01	1.7920E-01	1.9670E+01	2.5748E+05	9.2985E+02

Table I. Oscillator-strength density, df/dE , photoabsorption cross section, σ_a , and mass absorption coefficient, μ_m . (Continued)

Energy (eV)	f_n (eV ⁻¹)	σ_a (Mb)	μ_m (cm ² g ⁻¹)	λ (Å)
1.3372E+01	1.8753E-01	2.0583E+01	2.6943E+05	9.2719E+02
1.3393E+01	1.8396E-01	2.0192E+01	2.6431E+05	9.2571E+02
1.3409E+01	1.8544E-01	2.0354E+01	2.6643E+05	9.2461E+02
1.3432E+01	1.8148E-01	1.9919E+01	2.6075E+05	9.2307E+02
1.3457E+01	1.8407E-01	2.0204E+01	2.6447E+05	9.2136E+02
1.3476E+01	1.8399E-01	2.0195E+01	2.6435E+05	9.2004E+02
1.3485E+01	1.8742E-01	2.0572E+01	2.6929E+05	9.1943E+02
1.3501E+01	1.8774E-01	2.0607E+01	2.6974E+05	9.1832E+02
1.3513E+01	1.9579E-01	2.1490E+01	2.8131E+05	9.1754E+02
1.3524E+01	1.9652E-01	2.1570E+01	2.8235E+05	9.1677E+02
1.3528E+01	1.9341E-01	2.1229E+01	2.7789E+05	9.1650E+02
1.3535E+01	1.9415E-01	2.1311E+01	2.7896E+05	9.1600E+02
1.3545E+01	1.9064E-01	2.0925E+01	2.7391E+05	9.1535E+02
1.3575E+01	1.9553E-01	2.1461E+01	2.8093E+05	9.1330E+02
1.3590E+01	1.9508E-01	2.1412E+01	2.8029E+05	9.1231E+02
1.3604E+01	2.0351E-01	2.2337E+01	2.9239E+05	9.1136E+02
1.3613E+01	2.0540E-01	2.2544E+01	2.9511E+05	9.1076E+02
1.3634E+01	1.9875E-01	2.1815E+01	2.8557E+05	9.0939E+02
1.3648E+01	2.0024E-01	2.1978E+01	2.8769E+05	9.0845E+02
1.3664E+01	2.0056E-01	2.2013E+01	2.8816E+05	9.0740E+02
1.3685E+01	2.0625E-01	2.2639E+01	2.9634E+05	9.0596E+02
1.3713E+01	2.0151E-01	2.2118E+01	2.8953E+05	9.0415E+02
1.3719E+01	2.0457E-01	2.2454E+01	2.9393E+05	9.0376E+02
1.3727E+01	2.0184E-01	2.2154E+01	2.9000E+05	9.0321E+02
1.3732E+01	2.0220E-01	2.2194E+01	2.9052E+05	9.0288E+02
1.3737E+01	2.0719E-01	2.2742E+01	2.9769E+05	9.0255E+02
1.3744E+01	2.0678E-01	2.2696E+01	2.9710E+05	9.0211E+02
1.3753E+01	2.1138E-01	2.3201E+01	3.0370E+05	9.0149E+02
1.3767E+01	2.0707E-01	2.2728E+01	2.9752E+05	9.0056E+02
1.3844E+01	2.0676E-01	2.2694E+01	2.9707E+05	8.9561E+02
1.3868E+01	2.1284E-01	2.3361E+01	3.0580E+05	8.9406E+02
1.3874E+01	2.1165E-01	2.3231E+01	3.0410E+05	8.9367E+02
1.3881E+01	2.0776E-01	2.2804E+01	2.9851E+05	8.9318E+02
1.3897E+01	2.0847E-01	2.2882E+01	2.9953E+05	8.9214E+02
1.3906E+01	2.1230E-01	2.3302E+01	3.0502E+05	8.9158E+02
1.3911E+01	2.2307E-01	2.4485E+01	3.2051E+05	8.9124E+02

Table I. Oscillator-strength density, df/dE , photoabsorption cross section, σ_a , and mass absorption coefficient, μ_m . (Continued)

Energy (eV)	f_n (eV ⁻¹)	σ_a (Mb)	μ_m (cm ² g ⁻¹)	λ (Å)
1.3918E+01	2.2459E-01	2.4651E+01	3.2269E+05	8.9085E+02
1.3934E+01	2.2221E-01	2.4390E+01	3.1927E+05	8.8980E+02
1.3948E+01	2.2293E-01	2.4469E+01	3.2030E+05	8.8892E+02
1.3960E+01	2.1323E-01	2.3405E+01	3.0637E+05	8.8811E+02
1.3967E+01	2.1321E-01	2.3402E+01	3.0633E+05	8.8772E+02
1.3978E+01	2.2088E-01	2.4244E+01	3.1735E+05	8.8700E+02
1.3994E+01	2.2120E-01	2.4279E+01	3.1781E+05	8.8595E+02
1.4013E+01	2.1418E-01	2.3509E+01	3.0773E+05	8.8475E+02
1.4023E+01	2.1376E-01	2.3462E+01	3.0712E+05	8.8414E+02
1.4044E+01	2.2100E-01	2.4258E+01	3.1753E+05	8.8281E+02
1.4050E+01	2.2484E-01	2.4679E+01	3.2304E+05	8.8248E+02
1.4063E+01	2.2363E-01	2.4546E+01	3.2131E+05	8.8165E+02
1.4076E+01	2.2474E-01	2.4667E+01	3.2290E+05	8.8082E+02
1.4093E+01	2.1502E-01	2.3601E+01	3.0894E+05	8.7973E+02
1.4109E+01	2.1419E-01	2.3510E+01	3.0775E+05	8.7874E+02
1.4126E+01	2.2030E-01	2.4180E+01	3.1652E+05	8.7769E+02
1.4144E+01	2.1521E-01	2.3622E+01	3.0921E+05	8.7659E+02
1.4164E+01	2.1629E-01	2.3740E+01	3.1076E+05	8.7533E+02
1.4186E+01	2.1389E-01	2.3477E+01	3.0732E+05	8.7401E+02
1.4198E+01	2.2310E-01	2.4488E+01	3.2055E+05	8.7328E+02
1.4209E+01	2.2537E-01	2.4737E+01	3.2381E+05	8.7256E+02
1.4228E+01	2.3263E-01	2.5534E+01	3.3424E+05	8.7140E+02
1.4246E+01	2.2755E-01	2.4976E+01	3.2694E+05	8.7030E+02
1.4264E+01	2.2632E-01	2.4841E+01	3.2517E+05	8.6920E+02
1.4324E+01	2.3149E-01	2.5409E+01	3.3260E+05	8.6556E+02
1.4349E+01	2.2870E-01	2.5102E+01	3.2859E+05	8.6408E+02
1.4409E+01	2.3850E-01	2.6178E+01	3.4267E+05	8.6048E+02
1.4423E+01	2.4269E-01	2.6638E+01	3.4870E+05	8.5965E+02
1.4444E+01	2.4262E-01	2.6630E+01	3.4858E+05	8.5838E+02
1.4508E+01	2.5549E-01	2.8043E+01	3.6708E+05	8.5457E+02
1.4535E+01	2.5732E-01	2.8244E+01	3.6971E+05	8.5302E+02
1.4561E+01	2.5414E-01	2.7895E+01	3.6514E+05	8.5148E+02
1.4584E+01	2.5560E-01	2.8055E+01	3.6723E+05	8.5016E+02
1.4604E+01	2.5321E-01	2.7792E+01	3.6380E+05	8.4895E+02
1.4625E+01	2.5506E-01	2.7996E+01	3.6646E+05	8.4774E+02
1.4657E+01	2.4993E-01	2.7433E+01	3.5910E+05	8.4593E+02

Table I. Oscillator-strength density, df/dE , photoabsorption cross section, σ_a , and mass absorption coefficient, μ_m . (Continued)

Energy (eV)	f_n (eV ⁻¹)	σ_a (Mb)	λ (Å)	
1.4700E+01	2.5672E-01	2.8178E+01	3.6885E+05	8.4344E+02
1.4728E+01	2.5623E-01	2.8125E+01	3.6815E+05	8.4184E+02
1.4756E+01	2.5806E-01	2.8325E+01	3.7078E+05	8.4024E+02
1.4781E+01	2.5527E-01	2.8019E+01	3.6677E+05	8.3882E+02
1.4823E+01	2.6168E-01	2.8723E+01	3.7598E+05	8.3644E+02
1.4837E+01	2.5855E-01	2.8379E+01	3.7148E+05	8.3567E+02
1.4842E+01	2.6122E-01	2.8672E+01	3.7532E+05	8.3534E+02
1.4863E+01	2.6424E-01	2.9003E+01	3.7965E+05	8.3418E+02
1.4880E+01	2.6572E-01	2.9166E+01	3.8178E+05	8.3324E+02
1.4902E+01	2.5678E-01	2.8184E+01	3.6893E+05	8.3198E+02
1.4916E+01	2.5711E-01	2.8221E+01	3.6941E+05	8.3121E+02
1.4924E+01	2.5438E-01	2.7921E+01	3.6549E+05	8.3078E+02
1.4943E+01	2.5663E-01	2.8168E+01	3.6873E+05	8.2973E+02
1.4972E+01	2.5229E-01	2.7691E+01	3.6248E+05	8.2813E+02
1.4999E+01	2.5412E-01	2.7892E+01	3.6511E+05	8.2659E+02
1.5023E+01	2.4941E-01	2.7375E+01	3.5834E+05	8.2527E+02
1.5042E+01	2.4318E-01	2.6691E+01	3.4939E+05	8.2424E+02
1.5068E+01	2.4038E-01	2.6385E+01	3.4538E+05	8.2281E+02
1.5102E+01	2.3371E-01	2.5652E+01	3.3579E+05	8.2100E+02
1.5131E+01	2.3631E-01	2.5938E+01	3.3953E+05	8.1940E+02
1.5141E+01	2.3512E-01	2.5807E+01	3.3782E+05	8.1885E+02
1.5156E+01	2.3006E-01	2.5251E+01	3.3054E+05	8.1808E+02
1.5171E+01	2.3078E-01	2.5331E+01	3.3158E+05	8.1726E+02
1.5191E+01	2.2685E-01	2.4899E+01	3.2593E+05	8.1616E+02
1.5209E+01	2.2718E-01	2.4935E+01	3.2640E+05	8.1522E+02
1.5226E+01	2.2982E-01	2.5225E+01	3.3020E+05	8.1428E+02
1.5258E+01	2.4013E-01	2.6356E+01	3.4501E+05	8.1256E+02
1.5271E+01	2.4202E-01	2.6564E+01	3.4772E+05	8.1190E+02
1.5287E+01	2.4196E-01	2.6557E+01	3.4764E+05	8.1102E+02
1.5340E+01	2.5220E-01	2.7682E+01	3.6235E+05	8.0825E+02
1.5367E+01	2.6137E-01	2.8688E+01	3.7552E+05	8.0681E+02
1.5390E+01	2.6746E-01	2.9357E+01	3.8428E+05	8.0559E+02
1.5423E+01	2.5733E-01	2.8244E+01	3.6972E+05	8.0389E+02
1.5454E+01	2.4488E-01	2.6878E+01	3.5184E+05	8.0226E+02
1.5495E+01	2.3627E-01	2.5933E+01	3.3946E+05	8.0018E+02
1.5522E+01	2.2576E-01	2.4780E+01	3.2437E+05	7.9876E+02

Table I. Oscillator-strength density, df/dE , photoabsorption cross section, σ_a , and mass absorption coefficient, μ_m . (Continued)

Energy (eV)	f_n (eV ⁻¹)	σ_a (Mb)	μ_m (cm ² g ⁻¹)	λ (Å)
1.5539E+01	2.2571E-01	2.4774E+01	3.2430E+05	7.9791E+02
1.5567E+01	2.1921E-01	2.4060E+01	3.1495E+05	7.9643E+02
1.5645E+01	2.1635E-01	2.3747E+01	3.1085E+05	7.9247E+02
1.5659E+01	2.1858E-01	2.3992E+01	3.1405E+05	7.9178E+02
1.5704E+01	2.1204E-01	2.3273E+01	3.0465E+05	7.8953E+02
1.5780E+01	2.1334E-01	2.3417E+01	3.0653E+05	7.8570E+02
1.5797E+01	2.1595E-01	2.3702E+01	3.1027E+05	7.8485E+02
1.5844E+01	2.1318E-01	2.3399E+01	3.0629E+05	7.8251E+02
1.5902E+01	2.2002E-01	2.4150E+01	3.1612E+05	7.7969E+02
1.5917E+01	2.2697E-01	2.4913E+01	3.2611E+05	7.7892E+02
1.5938E+01	2.2257E-01	2.4429E+01	3.1978E+05	7.7790E+02
1.5985E+01	2.2774E-01	2.4997E+01	3.2722E+05	7.7564E+02
1.6009E+01	2.2730E-01	2.4949E+01	3.2659E+05	7.7448E+02
1.6026E+01	2.2990E-01	2.5234E+01	3.3032E+05	7.7363E+02
1.6051E+01	2.2549E-01	2.4750E+01	3.2398E+05	7.7245E+02
1.6098E+01	2.2802E-01	2.5028E+01	3.2761E+05	7.7019E+02
1.6112E+01	2.3289E-01	2.5563E+01	3.3462E+05	7.6950E+02
1.6127E+01	2.3059E-01	2.5310E+01	3.3130E+05	7.6878E+02
1.6153E+01	2.3430E-01	2.5717E+01	3.3664E+05	7.6754E+02
1.6163E+01	2.3749E-01	2.6068E+01	3.4123E+05	7.6707E+02
1.6190E+01	2.3629E-01	2.5935E+01	3.3950E+05	7.6583E+02
1.6216E+01	2.4265E-01	2.6634E+01	3.4864E+05	7.6459E+02
1.6257E+01	2.4746E-01	2.7162E+01	3.5555E+05	7.6263E+02
1.6274E+01	2.5441E-01	2.7925E+01	3.6553E+05	7.6185E+02
1.6320E+01	2.8246E-01	3.1003E+01	4.0583E+05	7.5970E+02
1.6340E+01	2.7296E-01	2.9960E+01	3.9218E+05	7.5877E+02
1.6350E+01	2.7293E-01	2.9958E+01	3.9215E+05	7.5830E+02
1.6393E+01	2.5412E-01	2.7892E+01	3.6511E+05	7.5632E+02
1.6415E+01	2.5444E-01	2.7928E+01	3.6558E+05	7.5530E+02
1.6432E+01	2.5988E-01	2.8525E+01	3.7340E+05	7.5452E+02
1.6436E+01	2.6309E-01	2.8877E+01	3.7800E+05	7.5435E+02
1.6454E+01	2.5926E-01	2.8457E+01	3.7250E+05	7.5350E+02
1.6465E+01	2.5924E-01	2.8454E+01	3.7246E+05	7.5303E+02
1.6480E+01	2.5013E-01	2.7454E+01	3.5938E+05	7.5233E+02
1.6526E+01	2.3981E-01	2.6322E+01	3.4456E+05	7.5025E+02
1.6553E+01	2.3823E-01	2.6149E+01	3.4229E+05	7.4901E+02

Table I. Oscillator-strength density, df/dE , photoabsorption cross section, σ_a , and mass absorption coefficient, μ_m . (Continued)

Energy (eV)	f_n (eV ⁻¹)	σ_a (Mb)	μ_m (cm ² g ⁻¹)	λ (Å)
1.6574E+01	2.4442E-01	2.6828E+01	3.5117E+05	7.4807E+02
1.6578E+01	2.4762E-01	2.7179E+01	3.5578E+05	7.4790E+02
1.6603E+01	2.4284E-01	2.6654E+01	3.4891E+05	7.4675E+02
1.6624E+01	2.3957E-01	2.6296E+01	3.4421E+05	7.4582E+02
1.6662E+01	2.3835E-01	2.6162E+01	3.4246E+05	7.4411E+02
1.6680E+01	2.3359E-01	2.5639E+01	3.3561E+05	7.4332E+02
1.6692E+01	2.3620E-01	2.5926E+01	3.3937E+05	7.4279E+02
1.6704E+01	2.4317E-01	2.6690E+01	3.4937E+05	7.4224E+02
1.6722E+01	2.4633E-01	2.7038E+01	3.5393E+05	7.4143E+02
1.6744E+01	2.3665E-01	2.5974E+01	3.4001E+05	7.4045E+02
1.6764E+01	2.3717E-01	2.6032E+01	3.4076E+05	7.3960E+02
1.6798E+01	2.4994E-01	2.7434E+01	3.5911E+05	7.3810E+02
1.6819E+01	2.4346E-01	2.6723E+01	3.4980E+05	7.3717E+02
1.6851E+01	2.5132E-01	2.7585E+01	3.6109E+05	7.3576E+02
1.6883E+01	2.4369E-01	2.6748E+01	3.5013E+05	7.3436E+02
1.6905E+01	2.5120E-01	2.7572E+01	3.6092E+05	7.3342E+02
1.6925E+01	2.5059E-01	2.7505E+01	3.6004E+05	7.3257E+02
1.6941E+01	2.5641E-01	2.8144E+01	3.6840E+05	7.3187E+02
1.6964E+01	2.5806E-01	2.8325E+01	3.7077E+05	7.3085E+02
1.6981E+01	2.6217E-01	2.8777E+01	3.7669E+05	7.3013E+02
1.7006E+01	2.6174E-01	2.8729E+01	3.7606E+05	7.2906E+02
1.7041E+01	2.6696E-01	2.9301E+01	3.8355E+05	7.2757E+02
1.7065E+01	2.7219E-01	2.9876E+01	3.9108E+05	7.2654E+02
1.7083E+01	2.8028E-01	3.0764E+01	4.0270E+05	7.2576E+02
1.7107E+01	2.7701E-01	3.0405E+01	3.9801E+05	7.2475E+02
1.7133E+01	2.8111E-01	3.0855E+01	4.0389E+05	7.2367E+02
1.7146E+01	2.9015E-01	3.1848E+01	4.1689E+05	7.2311E+02
1.7164E+01	3.0882E-01	3.3897E+01	4.4371E+05	7.2237E+02
1.7177E+01	3.5321E-01	3.8769E+01	5.0748E+05	7.2180E+02
1.7190E+01	4.1139E-01	4.5155E+01	5.9108E+05	7.2126E+02
1.7215E+01	3.0398E-01	3.3366E+01	4.3676E+05	7.2020E+02
1.7245E+01	3.2905E-01	3.6117E+01	4.7278E+05	7.1894E+02
1.7250E+01	3.4454E-01	3.7817E+01	4.9503E+05	7.1875E+02
1.7267E+01	3.6000E-01	3.9514E+01	5.1724E+05	7.1805E+02
1.7271E+01	3.7927E-01	4.1629E+01	5.4493E+05	7.1786E+02
1.7279E+01	3.8889E-01	4.2685E+01	5.5875E+05	7.1755E+02

Table I. Oscillator-strength density, df/dE , photoabsorption cross section, σ_a , and mass absorption coefficient, μ_m . (Continued)

Energy (eV)	f_n (eV ⁻¹)	σ_a (Mb)	μ_m (cm ² g ⁻¹)	λ (Å)
1.7304E+01	4.0377E-01	4.4318E+01	5.8012E+05	7.1651E+02
1.7328E+01	4.4265E-01	4.8585E+01	6.3598E+05	7.1553E+02
1.7355E+01	3.3146E-01	3.6381E+01	4.7623E+05	7.1442E+02
1.7395E+01	3.3893E-01	3.7202E+01	4.8697E+05	7.1276E+02
1.7408E+01	3.4533E-01	3.7904E+01	4.9616E+05	7.1223E+02
1.7421E+01	3.3717E-01	3.7008E+01	4.8444E+05	7.1169E+02
1.7440E+01	3.3127E-01	3.6361E+01	4.7596E+05	7.1092E+02
1.7462E+01	3.3765E-01	3.7061E+01	4.8513E+05	7.1004E+02
1.7482E+01	3.0548E-01	3.3530E+01	4.3891E+05	7.0922E+02
1.7512E+01	2.8841E-01	3.1656E+01	4.1437E+05	7.0800E+02
1.7531E+01	2.8893E-01	3.1713E+01	4.1513E+05	7.0723E+02
1.7549E+01	2.9362E-01	3.2228E+01	4.2187E+05	7.0651E+02
1.7585E+01	2.8503E-01	3.1286E+01	4.0953E+05	7.0506E+02
1.7622E+01	2.7532E-01	3.0219E+01	3.9557E+05	7.0358E+02
1.7652E+01	2.8489E-01	3.1270E+01	4.0933E+05	7.0239E+02
1.7675E+01	2.6991E-01	2.9626E+01	3.8780E+05	7.0147E+02
1.7712E+01	2.5907E-01	2.8435E+01	3.7222E+05	7.0002E+02
1.7785E+01	2.5834E-01	2.8356E+01	3.7118E+05	6.9713E+02
1.7817E+01	2.6357E-01	2.8930E+01	3.7869E+05	6.9589E+02
1.7843E+01	2.7542E-01	3.0230E+01	3.9572E+05	6.9486E+02
1.7867E+01	2.6781E-01	2.9395E+01	3.8479E+05	6.9393E+02
1.7907E+01	2.8436E-01	3.1212E+01	4.0856E+05	6.9237E+02
1.7927E+01	3.1796E-01	3.4900E+01	4.5684E+05	6.9162E+02
1.7945E+01	3.8048E-01	4.1762E+01	5.4667E+05	6.9091E+02
1.7958E+01	3.4455E-01	3.7818E+01	4.9504E+05	6.9043E+02
1.7970E+01	3.4944E-01	3.8355E+01	5.0206E+05	6.8996E+02
1.7985E+01	3.7870E-01	4.1566E+01	5.4411E+05	6.8937E+02
1.7995E+01	3.7282E-01	4.0921E+01	5.3566E+05	6.8899E+02
1.8012E+01	3.8186E-01	4.1913E+01	5.4864E+05	6.8835E+02
1.8033E+01	3.3438E-01	3.6701E+01	4.8042E+05	6.8755E+02
1.8039E+01	3.3701E-01	3.6991E+01	4.8421E+05	6.8733E+02
1.8055E+01	3.2243E-01	3.5390E+01	4.6326E+05	6.8671E+02
1.8074E+01	3.2560E-01	3.5738E+01	4.6781E+05	6.8599E+02
1.8116E+01	2.9887E-01	3.2804E+01	4.2941E+05	6.8440E+02
1.8131E+01	3.0318E-01	3.3278E+01	4.3561E+05	6.8384E+02
1.8156E+01	3.2014E-01	3.5139E+01	4.5997E+05	6.8289E+02

Table I. Oscillator-strength density, df/dE , photoabsorption cross section, σ_a , and mass absorption coefficient, μ_m . (Continued)

Energy (eV)	f_n (eV ⁻¹)	σ_a (Mb)	μ_m (cm ² g ⁻¹)	λ (Å)
1.8180E+01	3.0252E-01	3.3205E+01	4.3465E+05	6.8197E+02
1.8203E+01	2.9397E-01	3.2266E+01	4.2237E+05	6.8113E+02
1.8213E+01	2.9338E-01	3.2202E+01	4.2152E+05	6.8074E+02
1.8223E+01	2.8901E-01	3.1723E+01	4.1525E+05	6.8036E+02
1.8238E+01	2.9163E-01	3.2010E+01	4.1901E+05	6.7981E+02
1.8257E+01	3.1560E-01	3.4640E+01	4.5344E+05	6.7910E+02
1.8268E+01	3.3920E-01	3.7231E+01	4.8735E+05	6.7868E+02
1.8287E+01	3.9152E-01	4.2973E+01	5.6252E+05	6.7799E+02
1.8297E+01	3.8714E-01	4.2493E+01	5.5624E+05	6.7761E+02
1.8308E+01	3.8996E-01	4.2802E+01	5.6029E+05	6.7722E+02
1.8335E+01	3.0921E-01	3.3939E+01	4.4426E+05	6.7621E+02
1.8358E+01	2.9196E-01	3.2046E+01	4.1948E+05	6.7538E+02
1.8381E+01	2.8870E-01	3.1688E+01	4.1480E+05	6.7453E+02
1.8402E+01	2.9301E-01	3.2161E+01	4.2099E+05	6.7375E+02
1.8438E+01	3.2545E-01	3.5722E+01	4.6760E+05	6.7245E+02
1.8448E+01	3.8099E-01	4.1818E+01	5.4740E+05	6.7209E+02
1.8454E+01	4.4354E-01	4.8683E+01	6.3726E+05	6.7185E+02
1.8467E+01	4.5164E-01	4.9573E+01	6.4891E+05	6.7137E+02
1.8492E+01	3.0569E-01	3.3553E+01	4.3921E+05	6.7046E+02
1.8511E+01	2.7560E-01	3.0250E+01	3.9597E+05	6.6978E+02
1.8529E+01	2.9919E-01	3.2839E+01	4.2987E+05	6.6915E+02
1.8547E+01	3.1031E-01	3.4060E+01	4.4584E+05	6.6850E+02
1.8560E+01	3.2370E-01	3.5530E+01	4.6508E+05	6.6802E+02
1.8586E+01	3.8035E-01	4.1748E+01	5.4648E+05	6.6710E+02
1.8594E+01	3.7221E-01	4.0854E+01	5.3478E+05	6.6681E+02
1.8612E+01	3.2511E-01	3.5685E+01	4.6711E+05	6.6615E+02
1.8630E+01	3.4114E-01	3.7444E+01	4.9015E+05	6.6552E+02
1.8635E+01	3.6476E-01	4.0036E+01	5.2408E+05	6.6533E+02
1.8642E+01	3.8175E-01	4.1902E+01	5.4850E+05	6.6507E+02
1.8657E+01	3.1388E-01	3.4451E+01	4.5097E+05	6.6454E+02
1.8670E+01	3.0100E-01	3.3038E+01	4.3247E+05	6.6408E+02
1.8679E+01	3.1062E-01	3.4094E+01	4.4629E+05	6.6377E+02
1.8694E+01	3.6295E-01	3.9837E+01	5.2147E+05	6.6324E+02
1.8709E+01	3.4477E-01	3.7843E+01	4.9536E+05	6.6271E+02
1.8728E+01	3.8594E-01	4.2361E+01	5.5451E+05	6.6203E+02
1.8739E+01	3.1580E-01	3.4663E+01	4.5373E+05	6.6164E+02

Table I. Oscillator-strength density, df/dE , photoabsorption cross section, σ_a , and mass absorption coefficient, μ_m . (Continued)

Energy (eV)	f_n (eV ⁻¹)	σ_a (Mb)	μ_m (cm ² g ⁻¹)	λ (Å)
1.8750E+01	3.2164E-01	3.5303E+01	4.6212E+05	6.6125E+02
1.8756E+01	3.1634E-01	3.4721E+01	4.5451E+05	6.6104E+02
1.8769E+01	3.4410E-01	3.7768E+01	4.9439E+05	6.6059E+02
1.8816E+01	2.9638E-01	3.2531E+01	4.2583E+05	6.5894E+02
1.8829E+01	2.9806E-01	3.2715E+01	4.2824E+05	6.5847E+02
1.8853E+01	2.8667E-01	3.1465E+01	4.1188E+05	6.5763E+02
1.8869E+01	2.8891E-01	3.1711E+01	4.1510E+05	6.5708E+02
1.8878E+01	2.8190E-01	3.0942E+01	4.0503E+05	6.5678E+02
1.8891E+01	2.8339E-01	3.1105E+01	4.0717E+05	6.5631E+02
1.8893E+01	2.8017E-01	3.0752E+01	4.0254E+05	6.5623E+02
1.8918E+01	2.8069E-01	3.0809E+01	4.0329E+05	6.5538E+02
1.8970E+01	2.9162E-01	3.2009E+01	4.1899E+05	6.5357E+02
1.8985E+01	2.9197E-01	3.2047E+01	4.1949E+05	6.5305E+02
1.9002E+01	2.9702E-01	3.2601E+01	4.2675E+05	6.5248E+02
1.9020E+01	2.9808E-01	3.2717E+01	4.2827E+05	6.5186E+02
1.9035E+01	3.0277E-01	3.3232E+01	4.3501E+05	6.5134E+02
1.9046E+01	3.0239E-01	3.3191E+01	4.3447E+05	6.5098E+02
1.9085E+01	3.0958E-01	3.3980E+01	4.4480E+05	6.4964E+02
1.9139E+01	3.1568E-01	3.4649E+01	4.5356E+05	6.4782E+02
1.9189E+01	3.2177E-01	3.5318E+01	4.6232E+05	6.4612E+02
1.9209E+01	3.2211E-01	3.5355E+01	4.6280E+05	6.4545E+02
1.9258E+01	3.2749E-01	3.5945E+01	4.7052E+05	6.4379E+02
1.9293E+01	3.2745E-01	3.5941E+01	4.7047E+05	6.4265E+02
1.9355E+01	3.3353E-01	3.6609E+01	4.7921E+05	6.4058E+02
1.9385E+01	3.3386E-01	3.6645E+01	4.7969E+05	6.3960E+02
1.9408E+01	3.3637E-01	3.6920E+01	4.8329E+05	6.3883E+02
1.9435E+01	3.3526E-01	3.6798E+01	4.8169E+05	6.3795E+02
1.9522E+01	3.3697E-01	3.6987E+01	4.8416E+05	6.3511E+02
1.9603E+01	3.4015E-01	3.7335E+01	4.8871E+05	6.3248E+02
1.9672E+01	3.4767E-01	3.8161E+01	4.9952E+05	6.3025E+02
1.9732E+01	3.5195E-01	3.8631E+01	5.0568E+05	6.2834E+02
1.9787E+01	3.5009E-01	3.8426E+01	5.0300E+05	6.2658E+02
1.9844E+01	3.4821E-01	3.8220E+01	5.0031E+05	6.2478E+02
1.9901E+01	3.5612E-01	3.9088E+01	5.1166E+05	6.2302E+02
1.9958E+01	3.5787E-01	3.9280E+01	5.1418E+05	6.2121E+02
1.9994E+01	3.6580E-01	4.0150E+01	5.2557E+05	6.2012E+02

Table I. Oscillator-strength density, df/dE , photoabsorption cross section, σ_a , and mass absorption coefficient, μ_m . (Continued)

Energy (eV)	f_n (eV ⁻¹)	σ_a (Mb)	μ_m (cm ² g ⁻¹)	λ (Å)
2.0015E+01	3.6505E-01	4.0068E+01	5.2450E+05	6.1945E+02
2.0117E+01	3.3021E-01	3.6244E+01	4.7444E+05	6.1632E+02
2.0142E+01	3.3272E-01	3.6520E+01	4.7804E+05	6.1555E+02
2.0207E+01	3.4713E-01	3.8101E+01	4.9875E+05	6.1358E+02
2.0244E+01	3.5360E-01	3.8812E+01	5.0805E+05	6.1244E+02
2.0292E+01	3.5682E-01	3.9164E+01	5.1266E+05	6.1099E+02
2.0323E+01	3.5678E-01	3.9161E+01	5.1262E+05	6.1006E+02
2.0363E+01	3.6145E-01	3.9673E+01	5.1932E+05	6.0887E+02
2.0389E+01	3.6106E-01	3.9630E+01	5.1876E+05	6.0809E+02
2.0410E+01	3.6357E-01	3.9906E+01	5.2237E+05	6.0747E+02
2.0462E+01	3.6063E-01	3.9583E+01	5.1815E+05	6.0593E+02
2.0514E+01	3.6275E-01	3.9816E+01	5.2119E+05	6.0438E+02
2.0551E+01	3.5620E-01	3.9097E+01	5.1178E+05	6.0330E+02
2.0586E+01	3.4965E-01	3.8378E+01	5.0237E+05	6.0227E+02
2.0629E+01	3.5504E-01	3.8970E+01	5.1012E+05	6.0102E+02
2.0646E+01	3.5539E-01	3.9008E+01	5.1061E+05	6.0051E+02
2.0707E+01	3.6401E-01	3.9954E+01	5.2300E+05	5.9875E+02
2.0748E+01	3.6506E-01	4.0069E+01	5.2451E+05	5.9756E+02
2.0817E+01	3.5776E-01	3.9268E+01	5.1402E+05	5.9560E+02
2.0853E+01	3.5990E-01	3.9502E+01	5.1709E+05	5.9457E+02
2.0884E+01	3.6313E-01	3.9857E+01	5.2173E+05	5.9369E+02
2.0927E+01	3.5911E-01	3.9416E+01	5.1595E+05	5.9245E+02
2.0964E+01	3.6088E-01	3.9610E+01	5.1850E+05	5.9142E+02
2.0997E+01	3.5832E-01	3.9329E+01	5.1482E+05	5.9049E+02
2.1049E+01	3.6189E-01	3.9721E+01	5.1995E+05	5.8904E+02
2.1078E+01	3.6078E-01	3.9599E+01	5.1836E+05	5.8822E+02
2.1257E+01	3.6966E-01	4.0574E+01	5.3112E+05	5.8326E+02
2.1465E+01	3.7888E-01	4.1587E+01	5.4437E+05	5.7762E+02
2.1701E+01	3.8519E-01	4.2279E+01	5.5343E+05	5.7132E+02
2.2000E+01	3.8747E-01	4.2529E+01	5.5671E+05	5.6356E+02
2.2500E+01	3.7516E-01	4.1178E+01	5.3902E+05	5.5104E+02
2.3000E+01	3.6436E-01	3.9992E+01	5.2350E+05	5.3906E+02
2.3500E+01	3.5465E-01	3.8927E+01	5.0956E+05	5.2759E+02
2.4000E+01	3.4215E-01	3.7555E+01	4.9160E+05	5.1660E+02
2.4500E+01	3.2815E-01	3.6018E+01	4.7148E+05	5.0606E+02
2.5000E+01	3.1735E-01	3.4832E+01	4.5596E+05	4.9594E+02

Table I. Oscillator-strength density, df/dE , photoabsorption cross section, σ_a , and mass absorption coefficient, μ_m . (Continued)

Energy (eV)	f_n (eV ⁻¹)	σ_a (Mb)	μ_m (cm ² g ⁻¹)	λ (Å)
2.5500E+01	3.1005E-01	3.4031E+01	4.4547E+05	4.8621E+02
2.6000E+01	3.0185E-01	3.3131E+01	4.3368E+05	4.7686E+02
2.6500E+01	2.9474E-01	3.2351E+01	4.2348E+05	4.6786E+02
2.7000E+01	2.8954E-01	3.1781E+01	4.1601E+05	4.5920E+02
2.7500E+01	2.8684E-01	3.1484E+01	4.1213E+05	4.5085E+02
2.8000E+01	2.8044E-01	3.0782E+01	4.0293E+05	4.4280E+02
2.8500E+01	2.7664E-01	3.0364E+01	3.9747E+05	4.3503E+02
2.9000E+01	2.7514E-01	3.0200E+01	3.9532E+05	4.2753E+02
2.9500E+01	2.7114E-01	2.9761E+01	3.8957E+05	4.2029E+02
3.0000E+01	2.6824E-01	2.9442E+01	3.8540E+05	4.1328E+02
3.1000E+01	2.5984E-01	2.8520E+01	3.7333E+05	3.9995E+02
3.2000E+01	2.5454E-01	2.7938E+01	3.6571E+05	3.8745E+02
3.3000E+01	2.4574E-01	2.6972E+01	3.5307E+05	3.7571E+02
3.4000E+01	2.4094E-01	2.6445E+01	3.4617E+05	3.6466E+02
3.5000E+01	2.3474E-01	2.5765E+01	3.3726E+05	3.5424E+02
3.6000E+01	2.3063E-01	2.5315E+01	3.3137E+05	3.4440E+02
3.7000E+01	2.2583E-01	2.4788E+01	3.2447E+05	3.3509E+02
3.8000E+01	2.1873E-01	2.4008E+01	3.1427E+05	3.2627E+02
3.9000E+01	2.1093E-01	2.3152E+01	3.0306E+05	3.1791E+02
4.0000E+01	2.0233E-01	2.2208E+01	2.9070E+05	3.0996E+02
4.1000E+01	1.9593E-01	2.1505E+01	2.8151E+05	3.0240E+02
4.2000E+01	1.9133E-01	2.1000E+01	2.7490E+05	2.9520E+02
4.3000E+01	1.8673E-01	2.0495E+01	2.6829E+05	2.8834E+02
4.4000E+01	1.8443E-01	2.0243E+01	2.6498E+05	2.8178E+02
4.5000E+01	1.8023E-01	1.9782E+01	2.5895E+05	2.7552E+02
4.6000E+01	1.7813E-01	1.9551E+01	2.5593E+05	2.6953E+02
4.7000E+01	1.7263E-01	1.8948E+01	2.4803E+05	2.6380E+02
4.8000E+01	1.6793E-01	1.8432E+01	2.4127E+05	2.5830E+02
4.9000E+01	1.6142E-01	1.7718E+01	2.3193E+05	2.5303E+02
5.0000E+01	1.5512E-01	1.7026E+01	2.2288E+05	2.4797E+02
5.5000E+01	1.3022E-01	1.4293E+01	1.8710E+05	2.2543E+02
6.0000E+01	1.1132E-01	1.2218E+01	1.5994E+05	2.0664E+02
6.5000E+01	9.6915E-02	1.0637E+01	1.3924E+05	1.9074E+02
7.0000E+01	8.4513E-02	9.2762E+00	1.2143E+05	1.7712E+02
7.5000E+01	7.5211E-02	8.2553E+00	1.0806E+05	1.6531E+02
8.0000E+01	6.5810E-02	7.2234E+00	9.4554E+04	1.5498E+02

Table I. Oscillator-strength density, df/dE , photoabsorption cross section, σ_a , and mass absorption coefficient, μ_m . (Continued)

Energy (eV)	f_n (eV ⁻¹)	σ_a (Mb)	μ_m (cm ² g ⁻¹)	λ (Å)
8.5000E+01	5.7609E-02	6.3232E+00	8.2771E+04	1.4586E+02
9.0000E+01	5.1078E-02	5.6064E+00	7.3388E+04	1.3776E+02
1.0000E+02	4.1759E-02	4.5835E+00	5.9998E+04	1.2398E+02
1.2500E+02	2.5812E-02	2.8332E+00	3.7087E+04	9.9187E+01
1.5000E+02	1.7436E-02	1.9138E+00	2.5052E+04	8.2656E+01
1.7500E+02	1.2366E-02	1.3573E+00	1.7768E+04	7.0848E+01
2.0000E+02	8.7729E-03	9.6292E-01	1.2605E+04	6.1992E+01
2.2500E+02	6.3560E-03	6.9765E-01	9.1322E+03	5.5104E+01
2.5000E+02	4.8363E-03	5.3084E-01	6.9487E+03	4.9594E+01
2.7500E+02	3.7953E-03	4.1657E-01	5.4529E+03	4.5085E+01
3.0000E+02	3.0420E-03	3.3389E-01	4.3706E+03	4.1328E+01
3.5000E+02	2.0416E-03	2.2408E-01	2.9333E+03	3.5424E+01
4.0000E+02	1.4281E-03	1.5674E-01	2.0518E+03	3.0996E+01
4.0110E+02	3.1783E-02	3.4885E+00	4.5665E+04	3.0911E+01
4.0184E+02	5.7353E-03	6.2952E-01	8.2404E+03	3.0854E+01
4.0228E+02	3.2859E-03	3.6066E-01	4.7210E+03	3.0820E+01
4.0265E+02	3.3456E-02	3.6722E+00	4.8069E+04	3.0792E+01
4.0317E+02	6.5956E-02	7.2394E+00	9.4765E+04	3.0752E+01
4.0361E+02	1.0323E-01	1.1331E+01	1.4832E+05	3.0719E+01
4.0390E+02	6.6076E-02	7.2525E+00	9.4936E+04	3.0697E+01
4.0405E+02	3.3456E-02	3.6722E+00	4.8069E+04	3.0685E+01
4.0435E+02	3.3456E-03	3.6722E-01	4.8069E+03	3.0663E+01
4.0479E+02	2.2703E-03	2.4919E-01	3.2619E+03	3.0629E+01
4.0567E+02	1.4935E-03	1.6393E-01	2.1459E+03	3.0563E+01
4.0678E+02	1.2546E-03	1.3770E-01	1.8025E+03	3.0479E+01
4.0773E+02	1.7326E-03	1.9017E-01	2.4893E+03	3.0408E+01
4.0832E+02	2.6884E-03	2.9509E-01	3.8627E+03	3.0364E+01
4.0891E+02	2.3777E-02	2.6098E+00	3.4163E+04	3.0321E+01
4.0921E+02	1.0216E-02	1.1213E+00	1.4678E+04	3.0298E+01
4.0972E+02	8.0055E-03	8.7869E-01	1.1502E+04	3.0261E+01
4.1002E+02	1.4757E-02	1.6197E+00	2.1202E+04	3.0239E+01
4.1039E+02	1.1889E-02	1.3049E+00	1.7081E+04	3.0211E+01
4.1076E+02	1.8879E-02	2.0722E+00	2.7125E+04	3.0184E+01
4.1112E+02	1.4517E-02	1.5935E+00	2.0858E+04	3.0158E+01
4.1157E+02	1.8162E-02	1.9934E+00	2.6094E+04	3.0125E+01
4.1179E+02	1.4517E-02	1.5935E+00	2.0858E+04	3.0109E+01

Table I. Oscillator-strength density, df/dE , photoabsorption cross section, σ_a , and mass absorption coefficient, μ_m . (Continued)

Energy (eV)	f_n (eV ⁻¹)	σ_a (Mb)	μ_m (cm ² g ⁻¹)	λ (Å)
4.1215E+02	1.7923E-02	1.9673E+00	2.5752E+04	3.0082E+01
4.1252E+02	1.4935E-02	1.6393E+00	2.1459E+04	3.0055E+01
4.1341E+02	1.5234E-02	1.6721E+00	2.1888E+04	2.9991E+01
4.1400E+02	1.5892E-02	1.7443E+00	2.2833E+04	2.9948E+01
4.1451E+02	1.7206E-02	1.8885E+00	2.4721E+04	2.9911E+01
4.1495E+02	1.9775E-02	2.1705E+00	2.8412E+04	2.9879E+01
4.1554E+02	2.3120E-02	2.5377E+00	3.3219E+04	2.9837E+01
4.1576E+02	2.5391E-02	2.7869E+00	3.6481E+04	2.9821E+01
4.1628E+02	2.6825E-02	2.9443E+00	3.8541E+04	2.9784E+01
4.1694E+02	2.7422E-02	3.0099E+00	3.9400E+04	2.9737E+01
4.1768E+02	2.5929E-02	2.8460E+00	3.7254E+04	2.9684E+01
4.1842E+02	2.2463E-02	2.4656E+00	3.2275E+04	2.9632E+01
4.1923E+02	1.8222E-02	2.0001E+00	2.6181E+04	2.9574E+01
4.2004E+02	1.3980E-02	1.5344E+00	2.0086E+04	2.9517E+01
4.2129E+02	1.1172E-02	1.2263E+00	1.6052E+04	2.9430E+01
4.2239E+02	9.5586E-03	1.0492E+00	1.3734E+04	2.9353E+01
4.2365E+02	8.6625E-03	9.5081E-01	1.2446E+04	2.9266E+01
4.2564E+02	7.9458E-03	8.7214E-01	1.1416E+04	2.9129E+01
4.2873E+02	7.2289E-03	7.9345E-01	1.0386E+04	2.8919E+01
4.3241E+02	6.5717E-03	7.2132E-01	9.4421E+03	2.8673E+01
4.5000E+02	6.1224E-03	6.7200E-01	8.7965E+03	2.7552E+01
5.0000E+02	4.8469E-03	5.3200E-01	6.9639E+03	2.4797E+01
5.2800E+02	4.1326E-03	4.5360E-01	5.9376E+03	2.3482E+01
5.2925E+02	6.7656E-03	7.4259E-01	9.7206E+03	2.3426E+01
5.2968E+02	1.6587E-02	1.8206E+00	2.3831E+04	2.3407E+01
5.3033E+02	3.0009E-02	3.2938E+00	4.3116E+04	2.3379E+01
5.3149E+02	1.0476E-02	1.1498E+00	1.5051E+04	2.3328E+01
5.3185E+02	2.9954E-02	3.2878E+00	4.3038E+04	2.3312E+01
5.3257E+02	6.2363E-02	6.8451E+00	8.9602E+04	2.3280E+01
5.3315E+02	3.9339E-02	4.3179E+00	5.6521E+04	2.3255E+01
5.3351E+02	2.0842E-02	2.2877E+00	2.9946E+04	2.3239E+01
5.3387E+02	1.0258E-02	1.1259E+00	1.4738E+04	2.3224E+01
5.3402E+02	7.9112E-03	8.6834E-01	1.1367E+04	2.3217E+01
5.3626E+02	3.9830E-03	4.3718E-01	5.7227E+03	2.3120E+01
5.3712E+02	4.0921E-03	4.4915E-01	5.8794E+03	2.3083E+01
5.3763E+02	1.0694E-02	1.1738E+00	1.5365E+04	2.3061E+01

Table I. Oscillator-strength density, df/dE , photoabsorption cross section, σ_a , and mass absorption coefficient, μ_m . (Continued)

Energy (eV)	f_n (eV ⁻¹)	σ_a (Mb)	μ_m (cm ² g ⁻¹)	λ (Å)
5.3821E+02	8.7847E-03	9.6422E-01	1.2622E+04	2.3036E+01
5.3879E+02	1.7787E-02	1.9523E+00	2.5555E+04	2.3012E+01
5.3958E+02	2.7226E-02	2.9884E+00	3.9118E+04	2.2978E+01
5.4001E+02	2.5862E-02	2.8387E+00	3.7158E+04	2.2960E+01
5.4059E+02	2.9190E-02	3.2040E+00	4.1940E+04	2.2935E+01
5.4305E+02	1.7787E-02	1.9523E+00	2.5555E+04	2.2831E+01
5.4435E+02	1.9479E-02	2.1380E+00	2.7986E+04	2.2777E+01
5.4500E+02	2.0624E-02	2.2637E+00	2.9633E+04	2.2749E+01
5.4522E+02	2.2206E-02	2.4374E+00	3.1905E+04	2.2740E+01
5.4594E+02	2.2807E-02	2.5033E+00	3.2768E+04	2.2710E+01
5.4666E+02	2.2916E-02	2.5153E+00	3.2925E+04	2.2680E+01
5.4724E+02	2.1388E-02	2.3475E+00	3.0729E+04	2.2656E+01
5.4760E+02	1.9205E-02	2.1080E+00	2.7594E+04	2.2641E+01
5.4796E+02	1.7514E-02	1.9224E+00	2.5164E+04	2.2627E+01
5.4876E+02	1.5659E-02	1.7187E+00	2.2498E+04	2.2594E+01
5.5006E+02	1.4186E-02	1.5570E+00	2.0381E+04	2.2540E+01
5.5194E+02	1.2985E-02	1.4253E+00	1.8657E+04	2.2463E+01
5.5425E+02	1.2113E-02	1.3295E+00	1.7403E+04	2.2370E+01
5.5678E+02	1.1294E-02	1.2397E+00	1.6227E+04	2.2268E+01
6.0000E+02	1.0753E-02	1.1802E+00	1.5449E+04	2.0664E+01
7.0000E+02	7.3400E-03	8.0565E-01	1.0546E+04	1.7712E+01
8.0000E+02	5.2376E-03	5.7488E-01	7.5252E+03	1.5498E+01
9.0000E+02	3.8675E-03	4.2450E-01	5.5567E+03	1.3776E+01
1.0000E+03	2.9357E-03	3.2223E-01	4.2180E+03	1.2398E+01
1.2500E+03	1.6168E-03	1.7746E-01	2.3230E+03	9.9187E+00
1.5000E+03	9.8180E-04	1.0776E-01	1.4106E+03	8.2656E+00
1.7500E+03	6.3948E-04	7.0190E-02	9.1879E+02	7.0848E+00
2.0000E+03	4.3909E-04	4.8195E-02	6.3088E+02	6.1992E+00
2.2500E+03	3.1417E-04	3.4484E-02	4.5140E+02	5.5104E+00
2.5000E+03	2.3260E-04	2.5531E-02	3.3420E+02	4.9594E+00
2.7500E+03	1.7672E-04	1.9397E-02	2.5391E+02	4.5085E+00
3.0000E+03	1.3724E-04	1.5064E-02	1.9718E+02	4.1328E+00
3.5000E+03	8.7213E-05	9.5726E-03	1.2531E+02	3.5424E+00
4.0000E+03	5.8517E-05	6.4228E-03	8.4075E+01	3.0996E+00
4.5000E+03	4.0931E-05	4.4927E-03	5.8809E+01	2.7552E+00
5.0000E+03	2.9663E-05	3.2558E-03	4.2619E+01	2.4797E+00

Table I. Oscillator-strength density, df/dE , photoabsorption cross section, σ_a , and mass absorption coefficient, μ_m . (Continued)

Energy (eV)	f_n (eV ⁻¹)	σ_a (Mb)	μ_m (cm ² g ⁻¹)	λ (Å)
6.0000E+03	1.6936E-05	1.8589E-03	2.4333E+01	2.0664E+00
7.0000E+03	1.0521E-05	1.1548E-03	1.5116E+01	1.7712E+00
8.0000E+03	6.9155E-06	7.5905E-04	9.9360E+00	1.5498E+00
9.0000E+03	4.7589E-06	5.2234E-04	6.8374E+00	1.3776E+00
1.0000E+04	3.3053E-06	3.6279E-04	4.7490E+00	1.2398E+00
1.2500E+04	1.6195E-06	1.7775E-04	2.3268E+00	9.9187E-01
1.5000E+04	9.0394E-07	9.9217E-05	1.2988E+00	8.2656E-01
1.7500E+04	5.5215E-07	6.0604E-05	7.9331E-01	7.0848E-01
2.0000E+04	3.6025E-07	3.9541E-05	5.1760E-01	6.1992E-01
2.2500E+04	2.4719E-07	2.7132E-05	3.5516E-01	5.5104E-01
2.5000E+04	1.7649E-07	1.9371E-05	2.5357E-01	4.9594E-01
2.7500E+04	1.2978E-07	1.4244E-05	1.8646E-01	4.5085E-01
3.0000E+04	9.7603E-08	1.0713E-05	1.4023E-01	4.1328E-01
3.5000E+04	5.8872E-08	6.4619E-06	8.4586E-02	3.5424E-01
4.0000E+04	3.8000E-08	4.1709E-06	5.4597E-02	3.0996E-01
4.5000E+04	2.5827E-08	2.8348E-06	3.7108E-02	2.7552E-01
5.0000E+04	1.8283E-08	2.0068E-06	2.6269E-02	2.4797E-01
6.0000E+04	1.0057E-08	1.1039E-06	1.4450E-02	2.0664E-01
7.0000E+04	6.0674E-09	6.6596E-07	8.7175E-03	1.7712E-01
8.0000E+04	3.9150E-09	4.2971E-07	5.6249E-03	1.5498E-01
9.0000E+04	2.6583E-09	2.9178E-07	3.8194E-03	1.3776E-01
1.0000E+05	1.8787E-09	2.0621E-07	2.6993E-03	1.2398E-01

When photon energy, E , is higher than 10^5 eV, the photoabsorption cross section of each atom, σ_a , in Mb is given by

$$\sigma_a = 680 (Z - 0.3)^6 \left(\frac{Ry}{E} \right)^4 \frac{\exp[-4\chi \arctan(\chi^{-1})]}{1 - \exp(-2\pi\chi)}.$$

Here E is photon energy in eV and χ is given by

$$\chi = \sqrt{\frac{E_K}{E - E_K}},$$

where $E_K = 412.6$ and 541.3 eV for nitrogen and oxygen atoms, respectively.

