

Benzene (C₆H₆)

Z = 42

Molecular Mass : $M_A = 78.11184$

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

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

Table I. Integrated oscillator strength, f , for transitions below the IP.

Energy (eV)	f	λ (Å)	Remarks
4.9000E+00	1.3000E-03	2.5303E+03	$^1A_{1g} \rightarrow ^1B_{2u}$
6.1900E+00	9.0100E-02	2.0030E+03	$^1A_{1g} \rightarrow ^1B_{1u}$
6.9600E+00	9.5300E-01	1.7814E+03	$^1A_{1g} \rightarrow ^1E_{1u}$
6.9300E+00	7.5000E-02	1.7891E+03	$^1A_{1g} \rightarrow \text{Rydberg}$
9.0000E+00	1.2070E-01	1.3776E+03	—

Table II. 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)
9.2439E+00	4.0026E-01	4.3933E+01	3.3871E+05	1.3413E+03
9.2484E+00	4.1849E-01	4.5933E+01	3.5413E+05	1.3406E+03
9.2505E+00	4.1588E-01	4.5648E+01	3.5193E+05	1.3403E+03
9.2539E+00	3.9677E-01	4.3550E+01	3.3576E+05	1.3398E+03
9.2595E+00	3.3339E-01	3.6593E+01	2.8212E+05	1.3390E+03
9.2622E+00	3.4554E-01	3.7927E+01	2.9240E+05	1.3386E+03
9.2657E+00	3.2644E-01	3.5830E+01	2.7624E+05	1.3381E+03
9.2726E+00	3.4380E-01	3.7735E+01	2.9093E+05	1.3371E+03
9.2754E+00	3.6029E-01	3.9546E+01	3.0488E+05	1.3367E+03
9.2830E+00	3.4291E-01	3.7639E+01	2.9018E+05	1.3356E+03
9.2858E+00	3.5160E-01	3.8592E+01	2.9753E+05	1.3352E+03
9.2893E+00	3.4291E-01	3.7639E+01	2.9018E+05	1.3347E+03
9.2963E+00	3.3770E-01	3.7066E+01	2.8577E+05	1.3337E+03
9.3018E+00	3.4724E-01	3.8114E+01	2.9384E+05	1.3329E+03
9.3046E+00	3.5158E-01	3.8590E+01	2.9751E+05	1.3325E+03
9.3088E+00	3.6895E-01	4.0496E+01	3.1221E+05	1.3319E+03
9.3130E+00	3.8110E-01	4.1829E+01	3.2249E+05	1.3313E+03
9.3151E+00	3.7675E-01	4.1352E+01	3.1881E+05	1.3310E+03

Table II. 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)
9.3207E+00	3.8369E-01	4.2114E+01	3.2469E+05	1.3302E+03
9.3214E+00	3.9064E-01	4.2877E+01	3.3057E+05	1.3301E+03
9.3312E+00	4.0452E-01	4.4401E+01	3.4231E+05	1.3287E+03
9.3341E+00	4.1321E-01	4.5354E+01	3.4966E+05	1.3283E+03
9.3383E+00	4.0886E-01	4.4877E+01	3.4598E+05	1.3277E+03
9.3425E+00	4.1580E-01	4.5639E+01	3.5186E+05	1.3271E+03
9.3446E+00	4.0972E-01	4.4971E+01	3.4671E+05	1.3268E+03
9.3488E+00	4.2100E-01	4.6209E+01	3.5626E+05	1.3262E+03
9.3672E+00	4.0796E-01	4.4778E+01	3.4522E+05	1.3236E+03
9.3679E+00	4.1317E-01	4.5350E+01	3.4963E+05	1.3235E+03
9.3714E+00	4.1144E-01	4.5160E+01	3.4816E+05	1.3230E+03
9.3757E+00	4.2185E-01	4.6303E+01	3.5698E+05	1.3224E+03
9.3800E+00	4.1403E-01	4.5444E+01	3.5036E+05	1.3218E+03
9.3807E+00	4.1924E-01	4.6016E+01	3.5477E+05	1.3217E+03
9.3871E+00	4.0534E-01	4.4490E+01	3.4300E+05	1.3208E+03
9.3956E+00	3.9231E-01	4.3060E+01	3.3198E+05	1.3196E+03
9.4041E+00	3.7493E-01	4.1153E+01	3.1728E+05	1.3184E+03
9.4106E+00	3.8362E-01	4.2106E+01	3.2462E+05	1.3175E+03
9.4149E+00	3.7667E-01	4.1343E+01	3.1874E+05	1.3169E+03
9.4184E+00	3.8534E-01	4.2295E+01	3.2608E+05	1.3164E+03
9.4256E+00	3.8099E-01	4.1818E+01	3.2240E+05	1.3154E+03
9.4292E+00	3.7579E-01	4.1247E+01	3.1800E+05	1.3149E+03
9.4363E+00	3.7751E-01	4.1436E+01	3.1946E+05	1.3139E+03
9.4407E+00	3.8619E-01	4.2389E+01	3.2680E+05	1.3133E+03
9.4486E+00	3.9661E-01	4.3532E+01	3.3562E+05	1.3122E+03
9.4507E+00	3.8879E-01	4.2674E+01	3.2900E+05	1.3119E+03
9.4558E+00	3.9573E-01	4.3436E+01	3.3487E+05	1.3112E+03
9.4623E+00	3.8530E-01	4.2291E+01	3.2605E+05	1.3103E+03
9.4637E+00	3.9399E-01	4.3244E+01	3.3340E+05	1.3101E+03
9.4702E+00	3.7575E-01	4.1243E+01	3.1797E+05	1.3092E+03
9.4854E+00	3.5490E-01	3.8954E+01	3.0032E+05	1.3071E+03
9.4985E+00	3.5402E-01	3.8857E+01	2.9958E+05	1.3053E+03
9.5073E+00	3.6877E-01	4.0477E+01	3.1206E+05	1.3041E+03
9.5160E+00	3.8265E-01	4.2000E+01	3.2381E+05	1.3029E+03
9.5219E+00	3.8699E-01	4.2476E+01	3.2748E+05	1.3021E+03
9.5248E+00	3.8264E-01	4.1999E+01	3.2380E+05	1.3017E+03

Table II. 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)
9.5285E+00	3.9046E-01	4.2857E+01	3.3041E+05	1.3012E+03
9.5571E+00	3.5483E-01	3.8947E+01	3.0027E+05	1.2973E+03
9.5645E+00	3.5917E-01	3.9423E+01	3.0394E+05	1.2963E+03
9.5704E+00	3.5135E-01	3.8565E+01	2.9732E+05	1.2955E+03
9.5822E+00	3.5307E-01	3.8754E+01	2.9878E+05	1.2939E+03
9.5844E+00	3.5828E-01	3.9325E+01	3.0318E+05	1.2936E+03
9.5933E+00	3.6262E-01	3.9801E+01	3.0685E+05	1.2924E+03
9.6089E+00	3.5653E-01	3.9133E+01	3.0170E+05	1.2903E+03
9.6216E+00	3.4523E-01	3.7892E+01	2.9214E+05	1.2886E+03
9.6313E+00	3.4088E-01	3.7415E+01	2.8846E+05	1.2873E+03
9.6764E+00	3.3824E-01	3.7125E+01	2.8622E+05	1.2813E+03
9.7143E+00	3.3647E-01	3.6931E+01	2.8473E+05	1.2763E+03
9.7418E+00	3.4166E-01	3.7501E+01	2.8912E+05	1.2727E+03
9.7564E+00	3.3557E-01	3.6833E+01	2.8397E+05	1.2708E+03
9.7702E+00	3.2861E-01	3.6069E+01	2.7808E+05	1.2690E+03
9.8151E+00	3.3292E-01	3.6542E+01	2.8172E+05	1.2632E+03
9.8439E+00	3.3029E-01	3.6253E+01	2.7950E+05	1.2595E+03
9.8784E+00	3.3634E-01	3.6917E+01	2.8462E+05	1.2551E+03
9.8934E+00	3.3025E-01	3.6249E+01	2.7947E+05	1.2532E+03
9.9410E+00	3.3629E-01	3.6911E+01	2.8457E+05	1.2472E+03
9.9474E+00	3.4062E-01	3.7387E+01	2.8824E+05	1.2464E+03
9.9522E+00	3.3715E-01	3.7006E+01	2.8530E+05	1.2458E+03
9.9690E+00	3.3714E-01	3.7005E+01	2.8529E+05	1.2437E+03
9.9722E+00	3.4321E-01	3.7671E+01	2.9043E+05	1.2433E+03
9.9770E+00	3.4060E-01	3.7385E+01	2.8823E+05	1.2427E+03
1.0005E+01	3.4405E-01	3.7763E+01	2.9114E+05	1.2392E+03
1.0022E+01	3.5360E-01	3.8811E+01	2.9922E+05	1.2371E+03
1.0044E+01	3.6920E-01	4.0524E+01	3.1243E+05	1.2344E+03
1.0053E+01	3.6052E-01	3.9571E+01	3.0508E+05	1.2333E+03
1.0065E+01	3.6051E-01	3.9570E+01	3.0507E+05	1.2318E+03
1.0082E+01	3.5355E-01	3.8806E+01	2.9918E+05	1.2297E+03
1.0087E+01	3.5789E-01	3.9282E+01	3.0285E+05	1.2291E+03
1.0097E+01	3.5788E-01	3.9281E+01	3.0284E+05	1.2279E+03
1.0100E+01	3.5353E-01	3.8804E+01	2.9917E+05	1.2276E+03
1.0108E+01	3.5700E-01	3.9185E+01	3.0210E+05	1.2266E+03
1.0115E+01	3.6308E-01	3.9852E+01	3.0724E+05	1.2258E+03

Table II. 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)
1.0127E+01	3.6220E-01	3.9755E+01	3.0650E+05	1.2243E+03
1.0162E+01	3.5417E-01	3.8875E+01	2.9971E+05	1.2201E+03
1.0180E+01	3.5198E-01	3.8634E+01	2.9785E+05	1.2179E+03
1.0208E+01	3.6129E-01	3.9656E+01	3.0573E+05	1.2146E+03
1.0214E+01	3.5826E-01	3.9323E+01	3.0317E+05	1.2139E+03
1.0246E+01	3.6531E-01	4.0096E+01	3.0913E+05	1.2101E+03
1.0278E+01	3.6700E-01	4.0283E+01	3.1056E+05	1.2063E+03
1.0308E+01	3.8091E-01	4.1809E+01	3.2233E+05	1.2028E+03
1.0329E+01	3.8254E-01	4.1988E+01	3.2372E+05	1.2004E+03
1.0341E+01	3.9407E-01	4.3253E+01	3.3347E+05	1.1989E+03
1.0348E+01	3.9104E-01	4.2921E+01	3.3091E+05	1.1982E+03
1.0355E+01	3.9337E-01	4.3177E+01	3.3288E+05	1.1973E+03
1.0361E+01	4.0028E-01	4.3935E+01	3.3872E+05	1.1966E+03
1.0366E+01	4.1253E-01	4.5279E+01	3.4909E+05	1.1961E+03
1.0372E+01	4.2784E-01	4.6960E+01	3.6205E+05	1.1954E+03
1.0378E+01	4.6302E-01	5.0822E+01	3.9182E+05	1.1947E+03
1.0384E+01	5.1348E-01	5.6360E+01	4.3451E+05	1.1940E+03
1.0388E+01	5.4254E-01	5.9549E+01	4.5910E+05	1.1935E+03
1.0392E+01	5.3949E-01	5.9215E+01	4.5653E+05	1.1931E+03
1.0394E+01	5.2269E-01	5.7371E+01	4.4231E+05	1.1929E+03
1.0399E+01	4.7000E-01	5.1588E+01	3.9772E+05	1.1923E+03
1.0404E+01	4.3488E-01	4.7733E+01	3.6800E+05	1.1917E+03
1.0411E+01	4.2651E-01	4.6814E+01	3.6092E+05	1.1909E+03
1.0418E+01	4.3724E-01	4.7992E+01	3.7000E+05	1.1901E+03
1.0423E+01	4.3726E-01	4.7995E+01	3.7002E+05	1.1895E+03
1.0429E+01	4.2660E-01	4.6824E+01	3.6100E+05	1.1888E+03
1.0434E+01	4.2433E-01	4.6575E+01	3.5907E+05	1.1883E+03
1.0440E+01	4.3506E-01	4.7752E+01	3.6815E+05	1.1876E+03
1.0441E+01	4.4041E-01	4.8340E+01	3.7268E+05	1.1875E+03
1.0448E+01	4.5267E-01	4.9685E+01	3.8306E+05	1.1867E+03
1.0450E+01	4.7255E-01	5.1867E+01	3.9988E+05	1.1864E+03
1.0454E+01	4.8403E-01	5.3127E+01	4.0959E+05	1.1860E+03
1.0456E+01	5.0084E-01	5.4973E+01	4.2382E+05	1.1858E+03
1.0459E+01	5.0927E-01	5.5898E+01	4.3095E+05	1.1854E+03
1.0463E+01	5.2686E-01	5.7828E+01	4.4583E+05	1.1850E+03
1.0467E+01	5.6126E-01	6.1604E+01	4.7495E+05	1.1845E+03

Table II. 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)
1.0469E+01	5.7426E-01	6.3031E+01	4.8595E+05	1.1843E+03
1.0473E+01	5.8268E-01	6.3955E+01	4.9307E+05	1.1839E+03
1.0481E+01	5.5063E-01	6.0438E+01	4.6595E+05	1.1829E+03
1.0485E+01	5.6211E-01	6.1698E+01	4.7567E+05	1.1825E+03
1.0489E+01	5.9423E-01	6.5223E+01	5.0285E+05	1.1820E+03
1.0493E+01	6.2710E-01	6.8831E+01	5.3066E+05	1.1816E+03
1.0496E+01	6.4927E-01	7.1265E+01	5.4943E+05	1.1812E+03
1.0500E+01	6.4012E-01	7.0260E+01	5.4168E+05	1.1808E+03
1.0505E+01	5.4235E-01	5.9529E+01	4.5895E+05	1.1802E+03
1.0513E+01	4.7438E-01	5.2069E+01	4.0143E+05	1.1793E+03
1.0519E+01	4.6219E-01	5.0730E+01	3.9111E+05	1.1787E+03
1.0529E+01	4.5536E-01	4.9981E+01	3.8534E+05	1.1776E+03
1.0537E+01	4.6916E-01	5.1495E+01	3.9701E+05	1.1767E+03
1.0552E+01	5.1737E-01	5.6787E+01	4.3780E+05	1.1750E+03
1.0555E+01	5.2120E-01	5.7207E+01	4.4105E+05	1.1747E+03
1.0559E+01	5.2275E-01	5.7377E+01	4.4236E+05	1.1742E+03
1.0561E+01	5.2886E-01	5.8049E+01	4.4753E+05	1.1740E+03
1.0564E+01	5.2735E-01	5.7883E+01	4.4625E+05	1.1737E+03
1.0568E+01	5.3272E-01	5.8472E+01	4.5080E+05	1.1732E+03
1.0574E+01	5.5414E-01	6.0823E+01	4.6893E+05	1.1725E+03
1.0577E+01	5.6409E-01	6.1915E+01	4.7734E+05	1.1722E+03
1.0581E+01	5.6869E-01	6.2420E+01	4.8124E+05	1.1718E+03
1.0585E+01	5.5573E-01	6.0997E+01	4.7027E+05	1.1713E+03
1.0586E+01	5.3510E-01	5.8733E+01	4.5281E+05	1.1712E+03
1.0590E+01	5.0533E-01	5.5465E+01	4.2762E+05	1.1708E+03
1.0596E+01	4.8931E-01	5.3707E+01	4.1406E+05	1.1701E+03
1.0600E+01	4.8092E-01	5.2786E+01	4.0696E+05	1.1697E+03
1.0603E+01	4.8246E-01	5.2955E+01	4.0827E+05	1.1693E+03
1.0609E+01	4.7332E-01	5.1952E+01	4.0053E+05	1.1687E+03
1.0610E+01	4.7486E-01	5.2121E+01	4.0183E+05	1.1686E+03
1.0619E+01	4.6419E-01	5.0950E+01	3.9281E+05	1.1676E+03
1.0623E+01	4.6881E-01	5.1457E+01	3.9671E+05	1.1671E+03
1.0628E+01	4.7723E-01	5.2382E+01	4.0384E+05	1.1666E+03
1.0631E+01	4.7649E-01	5.2300E+01	4.0321E+05	1.1662E+03
1.0638E+01	4.6888E-01	5.1465E+01	3.9677E+05	1.1655E+03
1.0643E+01	4.7043E-01	5.1635E+01	3.9809E+05	1.1649E+03

Table II. 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)
1.0647E+01	4.7656E-01	5.2308E+01	4.0328E+05	1.1645E+03
1.0648E+01	4.8421E-01	5.3147E+01	4.0975E+05	1.1644E+03
1.0652E+01	4.9034E-01	5.3820E+01	4.1493E+05	1.1640E+03
1.0655E+01	5.0640E-01	5.5583E+01	4.2852E+05	1.1636E+03
1.0662E+01	5.1407E-01	5.6424E+01	4.3501E+05	1.1629E+03
1.0664E+01	5.1103E-01	5.6091E+01	4.3244E+05	1.1626E+03
1.0670E+01	5.0570E-01	5.5506E+01	4.2793E+05	1.1620E+03
1.0674E+01	5.0420E-01	5.5341E+01	4.2666E+05	1.1615E+03
1.0680E+01	5.1645E-01	5.6686E+01	4.3703E+05	1.1609E+03
1.0684E+01	5.1418E-01	5.6436E+01	4.3510E+05	1.1605E+03
1.0688E+01	5.0426E-01	5.5348E+01	4.2672E+05	1.1600E+03
1.0698E+01	4.9667E-01	5.4515E+01	4.2029E+05	1.1589E+03
1.0709E+01	4.9977E-01	5.4855E+01	4.2291E+05	1.1578E+03
1.0716E+01	4.8836E-01	5.3602E+01	4.1325E+05	1.1570E+03
1.0721E+01	4.7386E-01	5.2011E+01	4.0099E+05	1.1565E+03
1.0735E+01	4.5865E-01	5.0342E+01	3.8812E+05	1.1549E+03
1.0741E+01	4.7090E-01	5.1686E+01	3.9848E+05	1.1543E+03
1.0745E+01	4.6785E-01	5.1352E+01	3.9591E+05	1.1539E+03
1.0747E+01	4.7398E-01	5.2024E+01	4.0109E+05	1.1537E+03
1.0753E+01	4.7859E-01	5.2531E+01	4.0499E+05	1.1530E+03
1.0773E+01	4.7792E-01	5.2457E+01	4.0442E+05	1.1509E+03
1.0777E+01	4.8252E-01	5.2962E+01	4.0832E+05	1.1505E+03
1.0781E+01	4.9320E-01	5.4134E+01	4.1735E+05	1.1500E+03
1.0784E+01	4.9767E-01	5.4625E+01	4.2114E+05	1.1497E+03
1.0793E+01	4.8429E-01	5.3156E+01	4.0982E+05	1.1487E+03
1.0801E+01	4.8700E-01	5.3453E+01	4.1211E+05	1.1479E+03
1.0809E+01	5.0042E-01	5.4927E+01	4.2347E+05	1.1470E+03
1.0814E+01	5.1831E-01	5.6890E+01	4.3860E+05	1.1465E+03
1.0821E+01	5.5497E-01	6.0914E+01	4.6962E+05	1.1458E+03
1.0824E+01	5.8894E-01	6.4643E+01	4.9837E+05	1.1455E+03
1.0827E+01	6.0592E-01	6.6507E+01	5.1274E+05	1.1451E+03
1.0830E+01	6.1398E-01	6.7391E+01	5.1956E+05	1.1448E+03
1.0839E+01	5.6128E-01	6.1606E+01	4.7496E+05	1.1439E+03
1.0844E+01	5.5146E-01	6.0528E+01	4.6665E+05	1.1433E+03
1.0848E+01	5.6398E-01	6.1903E+01	4.7725E+05	1.1429E+03
1.0852E+01	5.7025E-01	6.2592E+01	4.8256E+05	1.1425E+03

Table II. 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)
1.0861E+01	6.2032E-01	6.8087E+01	5.2492E+05	1.1416E+03
1.0868E+01	6.7396E-01	7.3974E+01	5.7031E+05	1.1408E+03
1.0871E+01	6.9095E-01	7.5839E+01	5.8469E+05	1.1405E+03
1.0876E+01	6.9632E-01	7.6429E+01	5.8924E+05	1.1400E+03
1.0881E+01	6.7846E-01	7.4468E+01	5.7412E+05	1.1395E+03
1.0884E+01	6.7758E-01	7.4372E+01	5.7338E+05	1.1391E+03
1.0888E+01	6.4363E-01	7.0646E+01	5.4465E+05	1.1387E+03
1.0896E+01	6.1595E-01	6.7608E+01	5.2123E+05	1.1379E+03
1.0907E+01	6.4994E-01	7.1338E+01	5.4999E+05	1.1367E+03
1.0911E+01	6.7765E-01	7.4380E+01	5.7344E+05	1.1363E+03
1.0917E+01	6.9107E-01	7.5853E+01	5.8480E+05	1.1357E+03
1.0926E+01	6.9289E-01	7.6052E+01	5.8634E+05	1.1348E+03
1.0938E+01	7.4207E-01	8.1451E+01	6.2796E+05	1.1335E+03
1.0944E+01	7.6443E-01	8.3904E+01	6.4687E+05	1.1329E+03
1.0947E+01	7.7248E-01	8.4788E+01	6.5368E+05	1.1326E+03
1.0950E+01	7.8143E-01	8.5770E+01	6.6126E+05	1.1323E+03
1.0955E+01	7.8859E-01	8.6556E+01	6.6732E+05	1.1318E+03
1.0957E+01	7.9664E-01	8.7440E+01	6.7413E+05	1.1316E+03
1.0962E+01	8.0559E-01	8.8422E+01	6.8170E+05	1.1310E+03
1.0966E+01	7.8951E-01	8.6658E+01	6.6810E+05	1.1306E+03
1.0968E+01	7.8505E-01	8.6168E+01	6.6432E+05	1.1304E+03
1.0974E+01	7.6004E-01	8.3423E+01	6.4316E+05	1.1298E+03
1.0976E+01	7.5558E-01	8.2933E+01	6.3938E+05	1.1296E+03
1.0982E+01	7.6810E-01	8.4308E+01	6.4998E+05	1.1290E+03
1.0987E+01	7.7170E-01	8.4702E+01	6.5302E+05	1.1285E+03
1.0993E+01	7.8959E-01	8.6666E+01	6.6816E+05	1.1278E+03
1.0997E+01	7.8602E-01	8.6274E+01	6.6514E+05	1.1274E+03
1.1000E+01	7.9229E-01	8.6963E+01	6.7045E+05	1.1271E+03
1.1006E+01	7.9230E-01	8.6964E+01	6.7046E+05	1.1265E+03
1.1013E+01	8.1198E-01	8.9124E+01	6.8711E+05	1.1258E+03
1.1016E+01	8.1914E-01	8.9910E+01	6.9317E+05	1.1255E+03
1.1020E+01	8.3345E-01	9.1481E+01	7.0528E+05	1.1251E+03
1.1028E+01	8.4688E-01	9.2954E+01	7.1664E+05	1.1243E+03
1.1034E+01	8.6209E-01	9.4624E+01	7.2951E+05	1.1237E+03
1.1042E+01	8.7998E-01	9.6587E+01	7.4465E+05	1.1228E+03
1.1047E+01	8.7463E-01	9.6000E+01	7.4013E+05	1.1223E+03

Table II. 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)
1.1050E+01	8.5319E-01	9.3647E+01	7.2199E+05	1.1220E+03
1.1055E+01	8.4964E-01	9.3257E+01	7.1898E+05	1.1215E+03
1.1058E+01	8.3713E-01	9.1884E+01	7.0839E+05	1.1212E+03
1.1064E+01	8.5144E-01	9.3455E+01	7.2051E+05	1.1206E+03
1.1067E+01	8.5413E-01	9.3750E+01	7.2278E+05	1.1203E+03
1.1078E+01	8.9706E-01	9.8462E+01	7.5911E+05	1.1192E+03
1.1090E+01	8.1130E-01	8.9049E+01	6.8654E+05	1.1180E+03
1.1097E+01	8.0774E-01	8.8659E+01	6.8353E+05	1.1173E+03
1.1099E+01	8.0149E-01	8.7972E+01	6.7823E+05	1.1171E+03
1.1104E+01	8.0418E-01	8.8268E+01	6.8052E+05	1.1166E+03
1.1107E+01	7.9615E-01	8.7386E+01	6.7372E+05	1.1163E+03
1.1115E+01	7.8009E-01	8.5623E+01	6.6012E+05	1.1155E+03
1.1123E+01	7.7295E-01	8.4840E+01	6.5409E+05	1.1147E+03
1.1125E+01	7.6850E-01	8.4351E+01	6.5032E+05	1.1145E+03
1.1135E+01	7.6853E-01	8.4354E+01	6.5034E+05	1.1135E+03
1.1137E+01	7.7300E-01	8.4845E+01	6.5413E+05	1.1133E+03
1.1143E+01	7.7391E-01	8.4945E+01	6.5489E+05	1.1127E+03
1.1150E+01	7.8644E-01	8.6321E+01	6.6550E+05	1.1120E+03
1.1157E+01	8.0343E-01	8.8186E+01	6.7988E+05	1.1113E+03
1.1164E+01	7.8468E-01	8.6127E+01	6.6401E+05	1.1106E+03
1.1167E+01	7.8023E-01	8.5638E+01	6.6024E+05	1.1103E+03
1.1171E+01	7.6326E-01	8.3776E+01	6.4589E+05	1.1099E+03
1.1178E+01	7.5881E-01	8.3287E+01	6.4212E+05	1.1092E+03
1.1185E+01	7.6508E-01	8.3976E+01	6.4742E+05	1.1085E+03
1.1192E+01	7.8744E-01	8.6430E+01	6.6635E+05	1.1078E+03
1.1198E+01	7.4278E-01	8.1528E+01	6.2855E+05	1.1072E+03
1.1205E+01	7.3028E-01	8.0156E+01	6.1798E+05	1.1065E+03
1.1215E+01	7.4014E-01	8.1238E+01	6.2632E+05	1.1055E+03
1.1220E+01	7.4016E-01	8.1240E+01	6.2633E+05	1.1050E+03
1.1229E+01	7.5627E-01	8.3009E+01	6.3997E+05	1.1041E+03
1.1238E+01	7.6790E-01	8.4286E+01	6.4981E+05	1.1033E+03
1.1247E+01	7.5095E-01	8.2425E+01	6.3547E+05	1.1024E+03
1.1251E+01	7.6169E-01	8.3603E+01	6.4455E+05	1.1020E+03
1.1257E+01	7.7868E-01	8.5468E+01	6.5893E+05	1.1014E+03
1.1265E+01	8.0104E-01	8.7923E+01	6.7785E+05	1.1006E+03
1.1270E+01	7.8408E-01	8.6061E+01	6.6350E+05	1.1001E+03

Table II. 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)
1.1274E+01	7.7962E-01	8.5572E+01	6.5973E+05	1.0997E+03
1.1277E+01	7.6800E-01	8.4297E+01	6.4990E+05	1.0994E+03
1.1281E+01	7.3942E-01	8.1160E+01	6.2571E+05	1.0991E+03
1.1288E+01	7.2514E-01	7.9592E+01	6.1362E+05	1.0984E+03
1.1294E+01	7.3767E-01	8.0968E+01	6.2423E+05	1.0978E+03
1.1302E+01	7.4037E-01	8.1263E+01	6.2651E+05	1.0970E+03
1.1306E+01	7.5022E-01	8.2344E+01	6.3485E+05	1.0966E+03
1.1309E+01	7.4396E-01	8.1658E+01	6.2955E+05	1.0963E+03
1.1314E+01	7.4308E-01	8.1561E+01	6.2881E+05	1.0958E+03
1.1323E+01	7.2613E-01	7.9701E+01	6.1446E+05	1.0950E+03
1.1326E+01	7.2881E-01	7.9995E+01	6.1674E+05	1.0947E+03
1.1332E+01	7.2436E-01	7.9506E+01	6.1296E+05	1.0941E+03
1.1338E+01	7.3778E-01	8.0980E+01	6.2432E+05	1.0935E+03
1.1346E+01	7.6729E-01	8.4218E+01	6.4929E+05	1.0928E+03
1.1354E+01	7.4051E-01	8.1279E+01	6.2663E+05	1.0920E+03
1.1355E+01	7.2174E-01	7.9218E+01	6.1075E+05	1.0919E+03
1.1362E+01	7.1282E-01	7.8240E+01	6.0320E+05	1.0912E+03
1.1366E+01	7.2713E-01	7.9810E+01	6.1531E+05	1.0908E+03
1.1375E+01	7.3251E-01	8.0401E+01	6.1986E+05	1.0900E+03
1.1383E+01	7.1823E-01	7.8834E+01	6.0778E+05	1.0892E+03
1.1387E+01	7.2451E-01	7.9522E+01	6.1309E+05	1.0888E+03
1.1394E+01	7.3613E-01	8.0799E+01	6.2293E+05	1.0882E+03
1.1400E+01	7.2543E-01	7.9624E+01	6.1387E+05	1.0876E+03
1.1406E+01	7.2276E-01	7.9331E+01	6.1161E+05	1.0870E+03
1.1410E+01	7.1831E-01	7.8842E+01	6.0784E+05	1.0866E+03
1.1417E+01	7.1921E-01	7.8942E+01	6.0861E+05	1.0860E+03
1.1424E+01	7.3085E-01	8.0219E+01	6.1846E+05	1.0853E+03
1.1429E+01	7.3444E-01	8.0613E+01	6.2150E+05	1.0848E+03
1.1434E+01	7.1747E-01	7.8750E+01	6.0714E+05	1.0843E+03
1.1438E+01	7.1391E-01	7.8359E+01	6.0412E+05	1.0840E+03
1.1441E+01	7.0498E-01	7.7380E+01	5.9657E+05	1.0837E+03
1.1448E+01	7.1661E-01	7.8656E+01	6.0641E+05	1.0830E+03
1.1454E+01	7.1395E-01	7.8364E+01	6.0416E+05	1.0825E+03
1.1459E+01	7.2469E-01	7.9543E+01	6.1324E+05	1.0820E+03
1.1464E+01	7.0950E-01	7.7876E+01	6.0040E+05	1.0815E+03
1.1469E+01	7.1667E-01	7.8662E+01	6.0646E+05	1.0810E+03

Table II. 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)
1.1473E+01	7.0863E-01	7.7780E+01	5.9966E+05	1.0807E+03
1.1476E+01	7.1758E-01	7.8763E+01	6.0723E+05	1.0804E+03
1.1492E+01	6.9349E-01	7.6118E+01	5.8684E+05	1.0789E+03
1.1502E+01	6.9888E-01	7.6709E+01	5.9140E+05	1.0779E+03
1.1552E+01	6.8828E-01	7.5546E+01	5.8243E+05	1.0733E+03
1.1568E+01	6.7313E-01	7.3883E+01	5.6962E+05	1.0718E+03
1.1616E+01	6.6252E-01	7.2719E+01	5.6064E+05	1.0674E+03
1.1621E+01	6.7326E-01	7.3898E+01	5.6972E+05	1.0669E+03
1.1634E+01	6.4648E-01	7.0958E+01	5.4706E+05	1.0657E+03
1.1638E+01	6.5454E-01	7.1842E+01	5.5388E+05	1.0653E+03
1.1659E+01	6.2420E-01	6.8513E+01	5.2821E+05	1.0634E+03
1.1663E+01	6.3225E-01	6.9397E+01	5.3503E+05	1.0631E+03
1.1667E+01	6.3673E-01	6.9888E+01	5.3881E+05	1.0627E+03
1.1673E+01	6.2334E-01	6.8419E+01	5.2748E+05	1.0621E+03
1.1677E+01	6.3408E-01	6.9597E+01	5.3657E+05	1.0618E+03
1.1684E+01	6.3141E-01	6.9304E+01	5.3431E+05	1.0611E+03
1.1692E+01	6.3768E-01	6.9993E+01	5.3962E+05	1.0604E+03
1.1702E+01	6.2342E-01	6.8427E+01	5.2755E+05	1.0595E+03
1.1707E+01	6.3236E-01	6.9408E+01	5.3511E+05	1.0591E+03
1.1713E+01	6.2343E-01	6.8429E+01	5.2756E+05	1.0585E+03
1.1728E+01	6.2258E-01	6.8335E+01	5.2684E+05	1.0572E+03
1.1735E+01	6.0651E-01	6.6571E+01	5.1324E+05	1.0565E+03
1.1740E+01	6.1903E-01	6.7946E+01	5.2384E+05	1.0561E+03
1.1746E+01	6.0565E-01	6.6476E+01	5.1251E+05	1.0555E+03
1.1749E+01	6.1816E-01	6.7850E+01	5.2310E+05	1.0553E+03
1.1760E+01	6.1015E-01	6.6970E+01	5.1632E+05	1.0543E+03
1.1764E+01	6.1016E-01	6.6971E+01	5.1633E+05	1.0539E+03
1.1769E+01	6.2178E-01	6.8248E+01	5.2616E+05	1.0535E+03
1.1774E+01	6.0571E-01	6.6483E+01	5.1256E+05	1.0530E+03
1.1777E+01	6.1376E-01	6.7367E+01	5.1938E+05	1.0528E+03
1.1790E+01	6.1469E-01	6.7469E+01	5.2016E+05	1.0516E+03
1.1798E+01	6.2453E-01	6.8550E+01	5.2849E+05	1.0509E+03
1.1804E+01	6.2634E-01	6.8748E+01	5.3002E+05	1.0504E+03
1.1811E+01	6.0848E-01	6.6787E+01	5.1491E+05	1.0497E+03
1.1926E+01	6.5898E-01	7.2331E+01	5.5764E+05	1.0396E+03
1.2009E+01	7.1917E-01	7.8937E+01	6.0857E+05	1.0324E+03

Table II. 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)
1.2045E+01	7.5462E-01	8.2827E+01	6.3857E+05	1.0293E+03
1.2070E+01	7.7446E-01	8.5005E+01	6.5536E+05	1.0272E+03
1.2097E+01	7.9171E-01	8.6898E+01	6.6996E+05	1.0249E+03
1.2123E+01	8.0569E-01	8.8433E+01	6.8179E+05	1.0227E+03
1.2139E+01	8.1318E-01	8.9255E+01	6.8813E+05	1.0214E+03
1.2162E+01	8.2034E-01	9.0041E+01	6.9419E+05	1.0194E+03
1.2197E+01	8.2523E-01	9.0578E+01	6.9832E+05	1.0165E+03
1.2215E+01	8.2426E-01	9.0471E+01	6.9750E+05	1.0150E+03
1.2244E+01	8.1549E-01	8.9509E+01	6.9008E+05	1.0126E+03
1.2274E+01	8.0379E-01	8.8225E+01	6.8018E+05	1.0101E+03
1.2310E+01	7.8722E-01	8.6406E+01	6.6616E+05	1.0072E+03
1.2345E+01	7.7683E-01	8.5266E+01	6.5737E+05	1.0043E+03
1.2370E+01	7.7066E-01	8.4589E+01	6.5215E+05	1.0023E+03
1.2401E+01	7.6514E-01	8.3983E+01	6.4748E+05	9.9981E+02
1.2430E+01	7.6288E-01	8.3734E+01	6.4556E+05	9.9748E+02
1.2454E+01	7.6060E-01	8.3485E+01	6.4364E+05	9.9553E+02
1.2481E+01	7.6225E-01	8.3665E+01	6.4503E+05	9.9340E+02
1.2491E+01	7.6485E-01	8.3951E+01	6.4723E+05	9.9262E+02
1.2505E+01	7.6712E-01	8.4200E+01	6.4915E+05	9.9146E+02
1.2527E+01	7.6746E-01	8.4237E+01	6.4944E+05	9.8971E+02
1.2557E+01	7.7137E-01	8.4666E+01	6.5275E+05	9.8738E+02
1.2564E+01	7.7430E-01	8.4988E+01	6.5523E+05	9.8680E+02
1.2579E+01	7.7528E-01	8.5096E+01	6.5606E+05	9.8563E+02
1.2624E+01	7.6976E-01	8.4490E+01	6.5139E+05	9.8214E+02
1.2646E+01	7.6523E-01	8.3992E+01	6.4755E+05	9.8039E+02
1.2679E+01	7.5775E-01	8.3172E+01	6.4122E+05	9.7786E+02
1.2709E+01	7.4735E-01	8.2030E+01	6.3242E+05	9.7553E+02
1.2760E+01	7.3469E-01	8.0641E+01	6.2171E+05	9.7165E+02
1.2793E+01	7.2982E-01	8.0106E+01	6.1759E+05	9.6913E+02
1.2811E+01	7.3080E-01	8.0214E+01	6.1842E+05	9.6777E+02
1.2835E+01	7.3342E-01	8.0501E+01	6.2063E+05	9.6602E+02
1.2858E+01	7.3928E-01	8.1144E+01	6.2559E+05	9.6427E+02
1.2907E+01	7.6302E-01	8.3750E+01	6.4568E+05	9.6058E+02
1.2960E+01	7.8548E-01	8.6215E+01	6.6469E+05	9.5670E+02
1.2983E+01	7.9654E-01	8.7429E+01	6.7404E+05	9.5495E+02
1.3018E+01	8.0533E-01	8.8394E+01	6.8149E+05	9.5243E+02

Table II. 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)
1.3036E+01	8.0793E-01	8.8680E+01	6.8369E+05	9.5107E+02
1.3055E+01	8.0957E-01	8.8859E+01	6.8507E+05	9.4971E+02
1.3076E+01	8.0794E-01	8.8681E+01	6.8370E+05	9.4816E+02
1.3111E+01	8.0080E-01	8.7897E+01	6.7765E+05	9.4563E+02
1.3149E+01	7.8813E-01	8.6506E+01	6.6693E+05	9.4291E+02
1.3190E+01	7.7319E-01	8.4866E+01	6.5429E+05	9.4000E+02
1.3234E+01	7.6247E-01	8.3690E+01	6.4522E+05	9.3689E+02
1.3275E+01	7.5468E-01	8.2834E+01	6.3862E+05	9.3398E+02
1.3302E+01	7.5209E-01	8.2550E+01	6.3643E+05	9.3204E+02
1.3330E+01	7.4494E-01	8.1766E+01	6.3038E+05	9.3010E+02
1.3347E+01	7.3974E-01	8.1195E+01	6.2598E+05	9.2893E+02
1.3395E+01	7.3618E-01	8.0804E+01	6.2297E+05	9.2563E+02
1.3420E+01	7.3001E-01	8.0126E+01	6.1774E+05	9.2388E+02
1.3471E+01	7.2548E-01	7.9629E+01	6.1391E+05	9.2039E+02
1.3496E+01	7.2548E-01	7.9629E+01	6.1391E+05	9.1864E+02
1.3519E+01	7.2321E-01	7.9380E+01	6.1200E+05	9.1709E+02
1.3548E+01	7.2127E-01	7.9167E+01	6.1035E+05	9.1515E+02
1.3586E+01	7.2388E-01	7.9454E+01	6.1256E+05	9.1262E+02
1.3641E+01	7.2130E-01	7.9170E+01	6.1037E+05	9.0893E+02
1.3664E+01	7.2390E-01	7.9456E+01	6.1258E+05	9.0738E+02
1.3720E+01	7.2424E-01	7.9493E+01	6.1286E+05	9.0369E+02
1.3800E+01	7.3271E-01	8.0423E+01	6.2003E+05	8.9845E+02
1.3851E+01	7.4411E-01	8.1674E+01	6.2968E+05	8.9515E+02
1.3896E+01	7.5192E-01	8.2532E+01	6.3629E+05	8.9223E+02
1.3963E+01	7.6170E-01	8.3604E+01	6.4456E+05	8.8796E+02
1.4027E+01	7.6984E-01	8.4498E+01	6.5145E+05	8.8388E+02
1.4102E+01	7.7506E-01	8.5072E+01	6.5587E+05	8.7922E+02
1.4167E+01	7.8321E-01	8.5965E+01	6.6276E+05	8.7515E+02
1.4230E+01	7.9135E-01	8.6859E+01	6.6965E+05	8.7126E+02
1.4242E+01	7.9721E-01	8.7502E+01	6.7461E+05	8.7053E+02
1.4314E+01	8.0987E-01	8.8892E+01	6.8533E+05	8.6618E+02
1.4386E+01	8.3063E-01	9.1171E+01	7.0289E+05	8.6182E+02
1.4451E+01	8.5947E-01	9.4337E+01	7.2730E+05	8.5796E+02
1.4508E+01	8.9988E-01	9.8772E+01	7.6150E+05	8.5460E+02
1.4542E+01	9.4607E-01	1.0384E+02	8.0058E+05	8.5259E+02
1.4565E+01	9.8302E-01	1.0790E+02	8.3185E+05	8.5124E+02

Table II. 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)
1.4574E+01	9.9576E-01	1.0930E+02	8.4263E+05	8.5074E+02
1.4585E+01	9.9567E-01	1.0929E+02	8.4256E+05	8.5007E+02
1.4594E+01	9.8183E-01	1.0777E+02	8.3084E+05	8.4957E+02
1.4614E+01	9.4607E-01	1.0384E+02	8.0058E+05	8.4840E+02
1.4634E+01	9.3103E-01	1.0219E+02	7.8785E+05	8.4723E+02
1.4654E+01	9.3910E-01	1.0308E+02	7.9468E+05	8.4606E+02
1.4678E+01	9.6331E-01	1.0573E+02	8.1517E+05	8.4471E+02
1.4692E+01	9.7376E-01	1.0688E+02	8.2401E+05	8.4387E+02
1.4707E+01	9.7486E-01	1.0700E+02	8.2494E+05	8.4304E+02
1.4724E+01	9.6101E-01	1.0548E+02	8.1323E+05	8.4203E+02
1.4748E+01	9.3791E-01	1.0295E+02	7.9367E+05	8.4070E+02
1.4765E+01	9.4249E-01	1.0345E+02	7.9755E+05	8.3969E+02
1.4801E+01	9.7486E-01	1.0700E+02	8.2494E+05	8.3768E+02
1.4813E+01	9.8293E-01	1.0789E+02	8.3177E+05	8.3701E+02
1.4822E+01	9.8522E-01	1.0814E+02	8.3371E+05	8.3650E+02
1.4851E+01	9.7825E-01	1.0737E+02	8.2781E+05	8.3483E+02
1.4863E+01	9.7825E-01	1.0737E+02	8.2781E+05	8.3416E+02
1.4887E+01	9.8751E-01	1.0839E+02	8.3565E+05	8.3282E+02
1.4929E+01	1.0187E+00	1.1181E+02	8.6203E+05	8.3047E+02
1.4975E+01	1.0175E+00	1.1168E+02	8.6102E+05	8.2796E+02
1.5042E+01	1.0498E+00	1.1522E+02	8.8833E+05	8.2427E+02
1.5057E+01	1.0555E+00	1.1586E+02	8.9322E+05	8.2343E+02
1.5085E+01	1.0601E+00	1.1636E+02	8.9710E+05	8.2192E+02
1.5109E+01	1.0683E+00	1.1726E+02	9.0401E+05	8.2058E+02
1.5150E+01	1.0902E+00	1.1966E+02	9.2255E+05	8.1840E+02
1.5174E+01	1.1029E+00	1.2105E+02	9.3326E+05	8.1706E+02
1.5224E+01	1.1167E+00	1.2257E+02	9.4497E+05	8.1438E+02
1.5306E+01	1.1479E+00	1.2599E+02	9.7136E+05	8.1002E+02
1.5405E+01	1.1779E+00	1.2928E+02	9.9673E+05	8.0482E+02
1.5535E+01	1.2136E+00	1.3321E+02	1.0270E+06	7.9812E+02
1.5646E+01	1.2448E+00	1.3663E+02	1.0534E+06	7.9242E+02
1.5689E+01	1.2597E+00	1.3827E+02	1.0660E+06	7.9024E+02
1.5713E+01	1.2759E+00	1.4004E+02	1.0797E+06	7.8906E+02
1.5743E+01	1.2979E+00	1.4246E+02	1.0983E+06	7.8755E+02
1.5760E+01	1.3128E+00	1.4410E+02	1.1109E+06	7.8671E+02
1.5773E+01	1.3117E+00	1.4398E+02	1.1100E+06	7.8604E+02

Table II. 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)
1.5803E+01	1.2713E+00	1.3954E+02	1.0758E+06	7.8454E+02
1.5834E+01	1.2701E+00	1.3941E+02	1.0748E+06	7.8303E+02
1.5854E+01	1.2770E+00	1.4016E+02	1.0806E+06	7.8203E+02
1.5885E+01	1.2920E+00	1.4181E+02	1.0933E+06	7.8052E+02
1.5898E+01	1.2885E+00	1.4143E+02	1.0904E+06	7.7985E+02
1.5919E+01	1.2654E+00	1.3889E+02	1.0708E+06	7.7885E+02
1.5940E+01	1.2642E+00	1.3876E+02	1.0698E+06	7.7784E+02
1.5960E+01	1.2677E+00	1.3915E+02	1.0728E+06	7.7684E+02
1.5991E+01	1.2805E+00	1.4054E+02	1.0836E+06	7.7533E+02
1.6008E+01	1.2850E+00	1.4105E+02	1.0874E+06	7.7449E+02
1.6047E+01	1.2746E+00	1.3990E+02	1.0786E+06	7.7265E+02
1.6085E+01	1.2827E+00	1.4079E+02	1.0854E+06	7.7081E+02
1.6127E+01	1.3023E+00	1.4294E+02	1.1020E+06	7.6879E+02
1.6162E+01	1.3012E+00	1.4282E+02	1.1011E+06	7.6712E+02
1.6208E+01	1.3208E+00	1.4497E+02	1.1177E+06	7.6494E+02
1.6223E+01	1.3149E+00	1.4433E+02	1.1127E+06	7.6427E+02
1.6254E+01	1.2976E+00	1.4243E+02	1.0981E+06	7.6277E+02
1.6287E+01	1.3011E+00	1.4281E+02	1.1010E+06	7.6126E+02
1.6308E+01	1.3184E+00	1.4471E+02	1.1157E+06	7.6025E+02
1.6326E+01	1.3277E+00	1.4573E+02	1.1235E+06	7.5941E+02
1.6366E+01	1.3126E+00	1.4408E+02	1.1108E+06	7.5757E+02
1.6388E+01	1.3149E+00	1.4433E+02	1.1127E+06	7.5657E+02
1.6424E+01	1.3369E+00	1.4673E+02	1.1313E+06	7.5489E+02
1.6439E+01	1.3369E+00	1.4673E+02	1.1313E+06	7.5422E+02
1.6468E+01	1.3253E+00	1.4547E+02	1.1215E+06	7.5288E+02
1.6512E+01	1.3334E+00	1.4635E+02	1.1283E+06	7.5087E+02
1.6545E+01	1.3495E+00	1.4812E+02	1.1420E+06	7.4936E+02
1.6586E+01	1.3334E+00	1.4635E+02	1.1283E+06	7.4752E+02
1.6620E+01	1.3368E+00	1.4672E+02	1.1312E+06	7.4601E+02
1.6668E+01	1.3460E+00	1.4774E+02	1.1390E+06	7.4383E+02
1.6714E+01	1.3413E+00	1.4723E+02	1.1351E+06	7.4182E+02
1.6759E+01	1.3494E+00	1.4811E+02	1.1419E+06	7.3981E+02
1.6793E+01	1.3517E+00	1.4836E+02	1.1438E+06	7.3831E+02
1.6820E+01	1.3517E+00	1.4836E+02	1.1438E+06	7.3713E+02
1.6893E+01	1.3633E+00	1.4963E+02	1.1536E+06	7.3395E+02
1.6959E+01	1.3690E+00	1.5027E+02	1.1585E+06	7.3110E+02

Table II. 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)
1.7056E+01	1.3828E+00	1.5178E+02	1.1701E+06	7.2691E+02
1.7202E+01	1.3981E+00	1.5346E+02	1.1831E+06	7.2074E+02
1.7488E+01	1.4382E+00	1.5786E+02	1.2170E+06	7.0895E+02
1.7756E+01	1.4549E+00	1.5969E+02	1.2311E+06	6.9825E+02
1.7921E+01	1.4615E+00	1.6041E+02	1.2367E+06	6.9184E+02
1.8145E+01	1.4480E+00	1.5893E+02	1.2253E+06	6.8331E+02
1.8549E+01	1.4042E+00	1.5412E+02	1.1882E+06	6.6842E+02
1.9002E+01	1.3436E+00	1.4748E+02	1.1370E+06	6.5247E+02
1.9643E+01	1.2796E+00	1.4045E+02	1.0829E+06	6.3119E+02
2.0222E+01	1.2123E+00	1.3307E+02	1.0259E+06	6.1312E+02
2.0949E+01	1.1350E+00	1.2457E+02	9.6042E+05	5.9185E+02
2.1728E+01	1.0307E+00	1.1313E+02	8.7219E+05	5.7062E+02
2.2438E+01	9.5340E-01	1.0465E+02	8.0679E+05	5.5256E+02
2.3197E+01	8.8944E-01	9.7626E+01	7.5266E+05	5.3448E+02
2.3911E+01	8.4230E-01	9.2452E+01	7.1277E+05	5.1852E+02
2.4722E+01	7.7837E-01	8.5435E+01	6.5867E+05	5.0151E+02
2.6106E+01	6.7744E-01	7.4356E+01	5.7326E+05	4.7493E+02
2.7720E+01	5.8656E-01	6.4381E+01	4.9635E+05	4.4728E+02
2.9324E+01	5.1248E-01	5.6250E+01	4.3367E+05	4.2281E+02
3.1043E+01	4.4848E-01	4.9225E+01	3.7951E+05	3.9939E+02
3.3071E+01	3.9454E-01	4.3305E+01	3.3386E+05	3.7490E+02
3.5000E+01	3.4786E-01	3.8181E+01	2.9436E+05	3.5424E+02
4.0000E+01	2.5154E-01	2.7609E+01	2.1286E+05	3.0996E+02
4.5000E+01	1.8982E-01	2.0835E+01	1.6063E+05	2.7552E+02
5.0000E+01	1.4764E-01	1.6205E+01	1.2493E+05	2.4797E+02
6.0000E+01	9.5298E-02	1.0460E+01	8.0643E+04	2.0664E+02
7.0000E+01	6.5521E-02	7.1916E+00	5.5445E+04	1.7712E+02
8.0000E+01	4.7195E-02	5.1801E+00	3.9937E+04	1.5498E+02
9.0000E+01	3.5249E-02	3.8690E+00	2.9829E+04	1.3776E+02
1.0000E+02	2.7526E-02	3.0213E+00	2.3293E+04	1.2398E+02
1.2500E+02	1.7119E-02	1.8790E+00	1.4486E+04	9.9187E+01
1.5000E+02	1.1391E-02	1.2503E+00	9.6395E+03	8.2656E+01
1.7500E+02	7.8770E-03	8.6459E-01	6.6657E+03	7.0848E+01
2.0000E+02	5.6117E-03	6.1594E-01	4.7487E+03	6.1992E+01
2.2500E+02	4.0986E-03	4.4987E-01	3.4683E+03	5.5104E+01
2.5000E+02	3.0575E-03	3.3560E-01	2.5873E+03	4.9594E+01

Table II. 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)
2.7500E+02	2.3225E-03	2.5492E-01	1.9653E+03	4.5085E+01
2.8450E+02	2.1008E-03	2.3059E-01	1.7778E+03	4.3580E+01
2.8460E+02	7.8215E-03	8.5850E-01	6.6187E+03	4.3564E+01
2.8470E+02	1.2691E-02	1.3930E+00	1.0740E+04	4.3549E+01
2.8479E+02	2.1501E-02	2.3600E+00	1.8195E+04	4.3535E+01
2.8486E+02	3.6228E-02	3.9764E+00	3.0656E+04	4.3525E+01
2.8491E+02	5.8836E-02	6.4579E+00	4.9788E+04	4.3517E+01
2.8494E+02	8.8338E-02	9.6960E+00	7.4753E+04	4.3512E+01
2.8497E+02	1.2670E-01	1.3907E+01	1.0722E+05	4.3508E+01
2.8499E+02	1.9261E-01	2.1141E+01	1.6299E+05	4.3505E+01
2.8501E+02	2.7919E-01	3.0645E+01	2.3626E+05	4.3502E+01
2.8503E+02	3.6774E-01	4.0363E+01	3.1119E+05	4.3499E+01
2.8504E+02	4.2283E-01	4.6410E+01	3.5781E+05	4.3497E+01
2.8506E+02	4.6514E-01	5.1054E+01	3.9361E+05	4.3494E+01
2.8507E+02	4.5430E-01	4.9864E+01	3.8444E+05	4.3493E+01
2.8511E+02	3.7853E-01	4.1547E+01	3.2032E+05	4.3486E+01
2.8514E+02	3.5489E-01	3.8953E+01	3.0031E+05	4.3482E+01
2.8517E+02	3.5192E-01	3.8627E+01	2.9780E+05	4.3477E+01
2.8519E+02	3.4700E-01	3.8087E+01	2.9364E+05	4.3474E+01
2.8521E+02	3.3518E-01	3.6789E+01	2.8363E+05	4.3471E+01
2.8523E+02	3.4205E-01	3.7544E+01	2.8945E+05	4.3468E+01
2.8525E+02	3.4205E-01	3.7544E+01	2.8945E+05	4.3465E+01
2.8527E+02	3.2728E-01	3.5923E+01	2.7695E+05	4.3462E+01
2.8530E+02	2.7610E-01	3.0305E+01	2.3364E+05	4.3457E+01
2.8531E+02	2.6429E-01	2.9008E+01	2.2364E+05	4.3456E+01
2.8534E+02	2.3673E-01	2.5983E+01	2.0032E+05	4.3451E+01
2.8538E+02	2.0915E-01	2.2957E+01	1.7699E+05	4.3445E+01
2.8541E+02	1.9437E-01	2.1335E+01	1.6448E+05	4.3441E+01
2.8543E+02	1.9240E-01	2.1118E+01	1.6281E+05	4.3438E+01
2.8547E+02	2.0615E-01	2.2627E+01	1.7445E+05	4.3432E+01
2.8549E+02	2.1008E-01	2.3059E+01	1.7778E+05	4.3429E+01
2.8550E+02	2.0417E-01	2.2409E+01	1.7277E+05	4.3427E+01
2.8552E+02	1.8645E-01	2.0464E+01	1.5777E+05	4.3424E+01
2.8556E+02	1.5593E-01	1.7115E+01	1.3195E+05	4.3418E+01
2.8560E+02	1.3327E-01	1.4628E+01	1.1278E+05	4.3412E+01
2.8565E+02	1.1652E-01	1.2789E+01	9.8602E+04	4.3404E+01

Table II. 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)
2.8568E+02	1.1159E-01	1.2248E+01	9.4430E+04	4.3400E+01
2.8571E+02	1.0272E-01	1.1274E+01	8.6920E+04	4.3395E+01
2.8575E+02	8.0069E-02	8.7885E+00	6.7756E+04	4.3389E+01
2.8581E+02	6.1346E-02	6.7334E+00	5.1912E+04	4.3380E+01
2.8588E+02	4.7536E-02	5.2175E+00	4.0225E+04	4.3369E+01
2.8592E+02	4.1608E-02	4.5670E+00	3.5210E+04	4.3363E+01
2.8599E+02	3.0752E-02	3.3754E+00	2.6023E+04	4.3353E+01
2.8609E+02	2.4799E-02	2.7219E+00	2.0985E+04	4.3337E+01
2.8615E+02	2.4771E-02	2.7189E+00	2.0961E+04	4.3328E+01
2.8625E+02	1.9802E-02	2.1735E+00	1.6757E+04	4.3313E+01
2.8638E+02	1.2852E-02	1.4106E+00	1.0875E+04	4.3294E+01
2.8650E+02	8.8549E-03	9.7193E-01	7.4932E+03	4.3275E+01
2.8680E+02	1.0097E-02	1.1082E+00	8.5439E+03	4.3230E+01
2.8691E+02	1.2245E-02	1.3440E+00	1.0362E+04	4.3214E+01
2.8697E+02	1.7401E-02	1.9100E+00	1.4725E+04	4.3205E+01
2.8703E+02	3.8239E-02	4.1972E+00	3.2359E+04	4.3196E+01
2.8707E+02	6.2085E-02	6.8145E+00	5.2537E+04	4.3190E+01
2.8709E+02	6.7456E-02	7.4041E+00	5.7083E+04	4.3187E+01
2.8711E+02	6.3375E-02	6.9561E+00	5.3629E+04	4.3184E+01
2.8714E+02	6.0366E-02	6.6258E+00	5.1083E+04	4.3179E+01
2.8720E+02	7.6479E-02	8.3944E+00	6.4718E+04	4.3170E+01
2.8723E+02	7.2183E-02	7.9228E+00	6.1082E+04	4.3165E+01
2.8725E+02	6.2730E-02	6.8853E+00	5.3083E+04	4.3162E+01
2.8728E+02	5.6500E-02	6.2015E+00	4.7811E+04	4.3158E+01
2.8730E+02	5.3922E-02	5.9185E+00	4.5630E+04	4.3155E+01
2.8733E+02	5.4567E-02	5.9893E+00	4.6175E+04	4.3150E+01
2.8735E+02	5.2418E-02	5.7534E+00	4.4357E+04	4.3147E+01
2.8740E+02	4.3395E-02	4.7631E+00	3.6722E+04	4.3140E+01
2.8744E+02	3.7380E-02	4.1029E+00	3.1632E+04	4.3134E+01
2.8749E+02	3.2654E-02	3.5841E+00	2.7632E+04	4.3126E+01
2.8752E+02	3.2224E-02	3.5370E+00	2.7269E+04	4.3122E+01
2.8756E+02	2.7283E-02	2.9946E+00	2.3088E+04	4.3116E+01
2.8762E+02	2.3846E-02	2.6173E+00	2.0179E+04	4.3107E+01
2.8770E+02	2.1912E-02	2.4051E+00	1.8542E+04	4.3095E+01
2.8775E+02	2.3846E-02	2.6173E+00	2.0179E+04	4.3087E+01
2.8777E+02	2.6638E-02	2.9239E+00	2.2542E+04	4.3084E+01

Table II. 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)
2.8782E+02	4.6617E-02	5.1167E+00	3.9448E+04	4.3077E+01
2.8785E+02	5.0914E-02	5.5884E+00	4.3085E+04	4.3073E+01
2.8789E+02	4.2536E-02	4.6687E+00	3.5994E+04	4.3067E+01
2.8792E+02	4.0818E-02	4.4802E+00	3.4541E+04	4.3062E+01
2.8794E+02	4.3180E-02	4.7395E+00	3.6540E+04	4.3059E+01
2.8798E+02	4.4899E-02	4.9282E+00	3.7995E+04	4.3053E+01
2.8800E+02	4.2751E-02	4.6924E+00	3.6177E+04	4.3050E+01
2.8803E+02	3.6091E-02	3.9614E+00	3.0541E+04	4.3046E+01
2.8809E+02	3.8669E-02	4.2443E+00	3.2722E+04	4.3037E+01
2.8815E+02	3.3084E-02	3.6313E+00	2.7996E+04	4.3028E+01
2.8819E+02	3.3513E-02	3.6784E+00	2.8359E+04	4.3022E+01
2.8820E+02	3.6306E-02	3.9850E+00	3.0723E+04	4.3020E+01
2.8823E+02	3.8884E-02	4.2680E+00	3.2904E+04	4.3016E+01
2.8826E+02	3.7165E-02	4.0793E+00	3.1450E+04	4.3011E+01
2.8830E+02	3.2010E-02	3.5134E+00	2.7087E+04	4.3005E+01
2.8834E+02	3.1579E-02	3.4662E+00	2.6723E+04	4.2999E+01
2.8835E+02	3.3728E-02	3.7020E+00	2.8541E+04	4.2998E+01
2.8839E+02	3.5017E-02	3.8435E+00	2.9632E+04	4.2992E+01
2.8843E+02	3.3513E-02	3.6784E+00	2.8359E+04	4.2986E+01
2.8851E+02	3.4372E-02	3.7727E+00	2.9087E+04	4.2974E+01
2.8854E+02	3.3084E-02	3.6313E+00	2.7996E+04	4.2969E+01
2.8862E+02	3.4372E-02	3.7727E+00	2.9087E+04	4.2958E+01
2.8865E+02	3.7380E-02	4.1029E+00	3.1632E+04	4.2953E+01
2.8873E+02	6.1011E-02	6.6966E+00	5.1628E+04	4.2941E+01
2.8875E+02	6.4878E-02	7.1211E+00	5.4901E+04	4.2938E+01
2.8879E+02	6.9390E-02	7.6163E+00	5.8719E+04	4.2932E+01
2.8882E+02	7.7338E-02	8.4887E+00	6.5445E+04	4.2928E+01
2.8884E+02	8.5716E-02	9.4083E+00	7.2534E+04	4.2925E+01
2.8887E+02	8.9797E-02	9.8563E+00	7.5988E+04	4.2920E+01
2.8893E+02	8.7435E-02	9.5969E+00	7.3989E+04	4.2911E+01
2.8899E+02	9.0442E-02	9.9270E+00	7.6534E+04	4.2903E+01
2.8902E+02	9.0228E-02	9.9035E+00	7.6352E+04	4.2898E+01
2.8908E+02	9.1947E-02	1.0092E+01	7.7807E+04	4.2889E+01
2.8916E+02	8.4856E-02	9.3139E+00	7.1807E+04	4.2877E+01
2.8922E+02	8.0775E-02	8.8659E+00	6.8353E+04	4.2868E+01
2.8926E+02	7.7124E-02	8.4652E+00	6.5263E+04	4.2863E+01

Table II. 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)
2.8930E+02	6.9174E-02	7.5926E+00	5.8536E+04	4.2857E+01
2.8935E+02	6.5092E-02	7.1446E+00	5.5082E+04	4.2849E+01
2.8941E+02	6.1656E-02	6.7674E+00	5.2174E+04	4.2840E+01
2.8943E+02	6.1226E-02	6.7202E+00	5.1810E+04	4.2837E+01
2.8948E+02	5.7789E-02	6.3429E+00	4.8902E+04	4.2830E+01
2.8953E+02	5.8003E-02	6.3665E+00	4.9083E+04	4.2823E+01
2.8957E+02	5.6715E-02	6.2251E+00	4.7993E+04	4.2817E+01
2.8964E+02	5.1559E-02	5.6592E+00	4.3630E+04	4.2806E+01
2.8968E+02	5.1988E-02	5.7063E+00	4.3993E+04	4.2800E+01
2.8972E+02	5.1344E-02	5.6355E+00	4.3448E+04	4.2794E+01
2.8976E+02	4.8981E-02	5.3762E+00	4.1448E+04	4.2789E+01
2.8980E+02	4.9195E-02	5.3997E+00	4.1630E+04	4.2783E+01
2.8986E+02	4.5973E-02	5.0461E+00	3.8903E+04	4.2774E+01
2.8990E+02	4.7047E-02	5.1640E+00	3.9812E+04	4.2768E+01
2.8999E+02	4.7262E-02	5.1875E+00	3.9994E+04	4.2755E+01
2.9007E+02	4.8551E-02	5.3290E+00	4.1084E+04	4.2743E+01
2.9019E+02	5.4567E-02	5.9893E+00	4.6175E+04	4.2725E+01
2.9030E+02	6.1656E-02	6.7674E+00	5.2174E+04	4.2709E+01
2.9038E+02	6.5092E-02	7.1446E+00	5.5082E+04	4.2697E+01
2.9046E+02	6.6597E-02	7.3097E+00	5.6355E+04	4.2685E+01
2.9056E+02	6.6167E-02	7.2625E+00	5.5991E+04	4.2671E+01
2.9068E+02	6.3804E-02	7.0032E+00	5.3992E+04	4.2653E+01
2.9081E+02	6.1870E-02	6.7909E+00	5.2356E+04	4.2634E+01
2.9087E+02	6.1441E-02	6.7438E+00	5.1993E+04	4.2625E+01
2.9095E+02	6.1870E-02	6.7909E+00	5.2356E+04	4.2614E+01
2.9110E+02	6.4449E-02	7.0739E+00	5.4538E+04	4.2592E+01
2.9116E+02	6.5308E-02	7.1683E+00	5.5265E+04	4.2583E+01
2.9134E+02	6.4878E-02	7.1211E+00	5.4901E+04	4.2557E+01
2.9150E+02	6.1729E-02	6.7755E+00	5.2236E+04	4.2533E+01
2.9184E+02	6.3965E-02	7.0209E+00	5.4129E+04	4.2484E+01
2.9219E+02	6.9532E-02	7.6319E+00	5.8839E+04	4.2433E+01
2.9258E+02	7.9356E-02	8.7102E+00	6.7152E+04	4.2376E+01
2.9273E+02	8.4174E-02	9.2390E+00	7.1229E+04	4.2354E+01
2.9307E+02	9.3810E-02	1.0297E+01	7.9384E+04	4.2305E+01
2.9340E+02	1.0196E-01	1.1191E+01	8.6282E+04	4.2258E+01
2.9365E+02	1.0438E-01	1.1457E+01	8.8327E+04	4.2222E+01

Table II. 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)
2.9374E+02	1.0568E-01	1.1600E+01	8.9432E+04	4.2209E+01
2.9385E+02	1.0477E-01	1.1499E+01	8.8654E+04	4.2193E+01
2.9404E+02	1.0181E-01	1.1174E+01	8.6151E+04	4.2166E+01
2.9441E+02	9.4058E-02	1.0324E+01	7.9593E+04	4.2113E+01
2.9463E+02	9.0182E-02	9.8985E+00	7.6314E+04	4.2081E+01
2.9482E+02	8.5935E-02	9.4323E+00	7.2720E+04	4.2054E+01
2.9513E+02	8.1510E-02	8.9466E+00	6.8975E+04	4.2010E+01
2.9557E+02	7.8014E-02	8.5629E+00	6.6017E+04	4.1947E+01
2.9618E+02	7.7673E-02	8.5254E+00	6.5728E+04	4.1861E+01
2.9664E+02	7.8064E-02	8.5684E+00	6.6059E+04	4.1796E+01
2.9697E+02	7.8819E-02	8.6513E+00	6.6698E+04	4.1750E+01
2.9774E+02	8.2943E-02	9.1039E+00	7.0188E+04	4.1642E+01
2.9870E+02	8.8028E-02	9.6621E+00	7.4491E+04	4.1508E+01
2.9896E+02	8.8419E-02	9.7049E+00	7.4822E+04	4.1472E+01
3.0017E+02	8.6457E-02	9.4896E+00	7.3162E+04	4.1305E+01
3.0165E+02	8.5670E-02	9.4033E+00	7.2496E+04	4.1102E+01
3.0191E+02	8.4886E-02	9.3172E+00	7.1832E+04	4.1067E+01
3.0226E+02	8.4885E-02	9.3171E+00	7.1832E+04	4.1019E+01
3.0409E+02	7.8030E-02	8.5647E+00	6.6031E+04	4.0772E+01
3.0574E+02	7.0980E-02	7.7908E+00	6.0064E+04	4.0552E+01
3.0783E+02	6.3732E-02	6.9953E+00	5.3931E+04	4.0277E+01
3.1052E+02	5.6483E-02	6.1996E+00	4.7797E+04	3.9928E+01
3.1478E+02	5.0598E-02	5.5537E+00	4.2817E+04	3.9388E+01
3.1843E+02	4.7846E-02	5.2516E+00	4.0488E+04	3.8936E+01
3.2261E+02	4.6071E-02	5.0568E+00	3.8986E+04	3.8432E+01
3.2591E+02	4.5277E-02	4.9697E+00	3.8314E+04	3.8042E+01
3.2739E+02	4.4099E-02	4.8403E+00	3.7317E+04	3.7870E+01
3.3130E+02	4.2520E-02	4.6670E+00	3.5981E+04	3.7424E+01
3.3235E+02	4.1539E-02	4.5593E+00	3.5151E+04	3.7305E+01
3.3730E+02	3.8783E-02	4.2568E+00	3.2819E+04	3.6758E+01
3.4200E+02	3.6811E-02	4.0404E+00	3.1150E+04	3.6253E+01
3.4643E+02	3.5621E-02	3.9098E+00	3.0143E+04	3.5789E+01
3.5000E+02	3.4631E-02	3.8012E+00	2.9306E+04	3.5424E+01
4.0000E+02	2.5961E-02	2.8495E+00	2.1968E+04	3.0996E+01
4.5000E+02	1.9497E-02	2.1400E+00	1.6499E+04	2.7552E+01
5.0000E+02	1.4993E-02	1.6457E+00	1.2688E+04	2.4797E+01

Table II. 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+02	9.4101E-03	1.0329E+00	7.9630E+03	2.0664E+01
7.0000E+02	6.2937E-03	6.9080E-01	5.3258E+03	1.7712E+01
8.0000E+02	4.4223E-03	4.8539E-01	3.7422E+03	1.5498E+01
9.0000E+02	3.2313E-03	3.5467E-01	2.7344E+03	1.3776E+01
1.0000E+03	2.4370E-03	2.6749E-01	2.0623E+03	1.2398E+01
1.2500E+03	1.3375E-03	1.4680E-01	1.1318E+03	9.9187E+00
1.5000E+03	8.1861E-04	8.9852E-02	6.9272E+02	8.2656E+00
1.7500E+03	4.8811E-04	5.3575E-02	4.1304E+02	7.0848E+00
2.0000E+03	3.2982E-04	3.6202E-02	2.7910E+02	6.1992E+00
2.2500E+03	2.3278E-04	2.5550E-02	1.9698E+02	5.5104E+00
2.5000E+03	1.7009E-04	1.8669E-02	1.4393E+02	4.9594E+00
2.7500E+03	1.2785E-04	1.4033E-02	1.0819E+02	4.5085E+00
3.0000E+03	9.8397E-05	1.0800E-02	8.3266E+01	4.1328E+00
3.5000E+03	6.1682E-05	6.7703E-03	5.2196E+01	3.5424E+00
4.0000E+03	4.1025E-05	4.5029E-03	3.4716E+01	3.0996E+00
4.5000E+03	2.8554E-05	3.1341E-03	2.4163E+01	2.7552E+00
5.0000E+03	2.0602E-05	2.2613E-03	1.7434E+01	2.4797E+00
6.0000E+03	1.1645E-05	1.2782E-03	9.8546E+00	2.0664E+00
7.0000E+03	7.1436E-06	7.8408E-04	6.0450E+00	1.7712E+00
8.0000E+03	4.6518E-06	5.1059E-04	3.9365E+00	1.5498E+00
9.0000E+03	3.1702E-06	3.4796E-04	2.6826E+00	1.3776E+00
1.0000E+04	2.1356E-06	2.3441E-04	1.8072E+00	1.2398E+00
1.2500E+04	1.0342E-06	1.1351E-04	8.7514E-01	9.9187E-01
1.5000E+04	5.7188E-07	6.2770E-05	4.8393E-01	8.2656E-01
1.7500E+04	3.4652E-07	3.8034E-05	2.9323E-01	7.0848E-01
2.0000E+04	2.2454E-07	2.4646E-05	1.9001E-01	6.1992E-01
2.2500E+04	1.5314E-07	1.6808E-05	1.2959E-01	5.5104E-01
2.5000E+04	1.0874E-07	1.1935E-05	9.2017E-02	4.9594E-01
2.7500E+04	7.9617E-08	8.7388E-06	6.7373E-02	4.5085E-01
3.0000E+04	5.9707E-08	6.5534E-06	5.0525E-02	4.1328E-01
3.5000E+04	3.5839E-08	3.9337E-06	3.0327E-02	3.5424E-01
4.0000E+04	2.3033E-08	2.5281E-06	1.9491E-02	3.0996E-01
4.5000E+04	1.5595E-08	1.7117E-06	1.3197E-02	2.7552E-01
5.0000E+04	1.1003E-08	1.2077E-06	9.3109E-03	2.4797E-01
6.0000E+04	6.0172E-09	6.6046E-07	5.0919E-03	2.0664E-01
7.0000E+04	3.6117E-09	3.9642E-07	3.0563E-03	1.7712E-01

Table II. 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)
8.0000E+04	2.3222E-09	2.5488E-07	1.9650E-03	1.5498E-01
9.0000E+04	1.5742E-09	1.7278E-07	1.3321E-03	1.3776E-01
1.0000E+05	1.1123E-09	1.2209E-07	9.4125E-04	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

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

Here Z_c denotes the atomic number of constituent atoms and E is photon energy in eV. The quantity χ is given by

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

where $E_K = 13.6$ and 290.42 for hydrogen and carbon atoms, respectively.

