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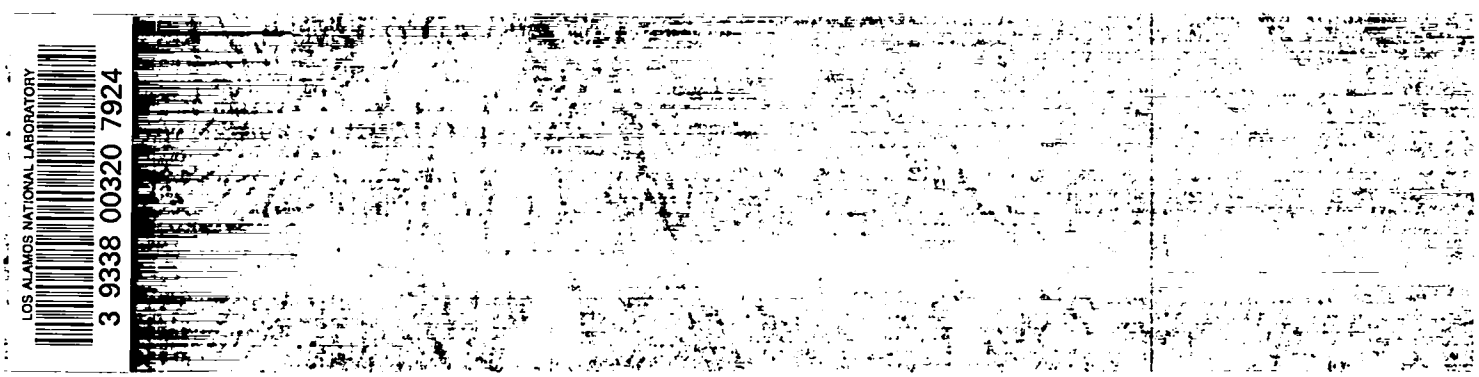
TUNGSTEN CROSS SECTIONS AND THEIR TEMPERATURE DEPENDENCE



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LOS ALAMOS SCIENTIFIC LABORATORY
OF THE UNIVERSITY OF CALIFORNIA LOS ALAMOS NEW MEXICO

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TUNGSTEN CROSS SECTIONS AND THEIR TEMPERATURE DEPENDENCE

by

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ABSTRACT

A Breit-Wigner analysis of the tungsten isotopes is folded into a Maxwellian velocity distribution and summed with abundance weights to obtain total, scattering, and radiative capture cross sections for normal isotopic tungsten versus neutron energy from 0.025 to 257 ev and for tungsten temperatures of 0.0253 to 100 ev.

ACKNOWLEDGMENTS

This paper could not have been written without the valuable work of D. J. Hughes, R. B. Schwartz, and associates of the Brookhaven National Laboratory Compilation Center. To them and through them to the nuclear spectroscopists whose results they assemble, we wish to express our gratitude.

We also wish to acknowledge a recalculation made for our benefit by R. B. Schwartz and receipt of a preprint of the Fox, Zimmerman, Hughes, Palevsky, Brussell, and Chrien paper (Phys. Rev. 110, 1472L, 1958) from D. J. Hughes. We are again indebted to the IBM 704 operating section of Group T-1 for their kind help and to Josephine Powers, Dorothy Cooper, and Patricia Turner.

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I. METHOD

This work follows the method of Devaney, Goldstein, and Fagan.[1] In brief, this calculation yields the cross sections to be expected from normal isotopic abundance tungsten in thermal Maxwellian motion, assuming negligible reactive interference. That a Maxwellian velocity distribution is a useful approximation follows from the fact that the Debye temperature of tungsten, 270°K,[2] is less than the temperatures considered here.[1] It should be noted that the cross sections presented here are the relative velocity times the cross section integrated over a three-dimensional Maxwellian velocity distribution and then divided by the laboratory neutron velocity; see the discussion in Devaney and Fagan.[1] Thus, we really report a reaction rate per incident neutron if our values are multiplied by the laboratory neutron velocity times the particle density.

---

[1] J. Devaney, M. Goldstein, and B. Fagan, "Pu^{239} Cross Sections and Their Temperature Dependence," Los Alamos Scientific Laboratory Report LA-2127 (March, 1957), and J. Devaney and B. Fagan, "U^{238} Cross Sections and Their Temperature Dependence," Los Alamos Scientific Laboratory Report LA-2144 (June, 1958), available for sale from the Office of Technical Services, U. S. Department of Commerce, Washington 25, D. C.

[2] G. T. Furukawa and T. B. Douglas in D. E. Gray, ed., American Institute of Physics Handbook, pp. 4-48, McGraw-Hill Book Company, Inc., New York, 1957.

In view of the increasing accuracy of both theory and experiment in analyzing neutron resonances and thereby often demonstrating the need for multilevel formulas, a further word on the accuracy of our isolated level approximation is appropriate. Following the method of Reich and Moore,[3] and indeed confirming their conclusions, we have compared our modified isolated level formulas with their multilevel formulas for the case of no fission, and we find the difference in the capture cross section to be at most (W^{183} worst case assuming identical adjacent spins) less than 2% and usually less than 0.5%. For an even-even nucleus, the isolated approximation is considerably more accurate (U^{238}, for example, runs to about one part in 10^6 to 10^9).

Our approximation is quite poor for elastic scattering at one place in W^{183} if the adjacent levels at neutron energies of 46.6 ev to 48.1 ev are of the same character and can therefore interfere. The level at 46.6 ev is very large (Γ = 0.3 ev) and still has considerable amplitude at 48.1 ev. Comparison with a Reich and Moore type calculation shows that our modified isolated level approximation gives the scattering peak at 48.1 ev about 9% too high. Of course, it could be argued that the likelihood of two levels so close being of the same quantum number is small; still the possibility cannot be excluded. As the temperature increases, the error decreases, since thermal broadening is random.

---

[3] C. W. Reich and M. S. Moore, Phys. Rev. 111, 929 (1958). We also wish to acknowledge the kindness of Dr. M. S. Moore in providing us with preprints.

The error in the scattering cross section elsewhere is less than about 1% and for an even-even nucleus like U^{238}, runs one to five parts in 10^4.

II. SOURCES OF DATA

The isotopic abundances were taken from Sullivan:[4] W^{180}, 0.00135; W^{182}, 0.264; W^{183}, 0.144; W^{184}, 0.306; and W^{186}, 0.284. We ignored W^{180} and adjusted our relative abundances to: W^{182}, 0.264; W^{183}, 0.144, W^{184}, 0.307; and W^{186}, 0.285.

The level parameters were obtained from the Hughes and Schwartz compilation[5] and from Schwartz.[6] The radiation was taken to be the Hughes-Schwartz suggested average of 0.046 ev when not specifically given. The thermal (0.0253 ev) values to which our values are matched are given in the following table (all in barns).

---

[4] William H Sullivan, "Trilinear Chart of Nuclides," U. S. Atomic Energy Commission (January, 1957) for sale by the Superintendent of Documents, U. S. Government Printing Office, Washington 25, D. C.

[5] D. J. Hughes and R. B. Schwartz, "Neutron Cross Sections," Brookhaven National Laboratory Report BNL-325, Supplement 1 (January, 1957).

[6] R. B. Schwartz, Private Communication (Summer, 1958).

Quantity	$W\sigma_T$	$W\sigma_\gamma$	$W^{182}\sigma_\gamma$	$W^{183}\sigma_\gamma$	$W^{184}\sigma_\gamma$	$W^{186}\sigma_\gamma$
Experiment	22.8 ± 0.6[7]	19.2 ± 1.0[7] 17.7 ± 0.9 30[9]	20 ± 2[7] 19.2[9]	11 ± 1[7] 10.9[9]	2.0 ± 0.3[7] 1.97[8]	35 ± 3[7] 34.1[9]
Calculation	23	17.4	19.2	10.9	1.97	35.5

This table incorporates 1/v terms of strength: W^{182}, 7.33 barns; W^{183}, 4.98 barns; W^{184}, 1.55 barns; W^{186}, 0 barns, at E_n = 0.0253 ev. The radius parameter for all isotopes, R = 9.5 fermis, was chosen to give the best fit to the total cross sections. It should be noted that these parameters affect the cross section for large ranges of neutron energy, and further, that a change in the 1/v part of W^{182} affects $W\sigma_T$ and thus affects the choice of R. It should also be noted that the experimental figures are not consistent. In view of this fact, we placed more emphasis on fitting the total cross section from 0.0253 ev to 1 ev than on the capture cross sections at 0.0253 ev. The spin factor, g, is unity for the spin zero even-even nuclei and was taken to be one-half for W^{183}, although spin assignments are beginning to appear for some of the levels of that isotope.[7] For the reader's convenience, we list below the level parameters used (laboratory system):

---

[7] D. J. Hughes and R. B. Schwartz, "Neutron Cross Sections," Brookhaven National Laboratory Report BNL-325, Second Edition (July, 1958).

[8] H. Pomerance, Phys. Rev. 83, 641 (1951).

[9] H. Pomerance, Nuclear Science Abstracts 6, No. 24B (New Nuclear Data), 38 (1952).

	Resonance Number, i	Resonance Energy, E_i (ev)	Gamma Width, Γ_γ^i (ev)	Reduced Neutron Width, Γ_{no}^i (ev) (1 ev base)
W^{182}				
	1	4.14	0.045	0.00071
	2	21.2	0.046	0.008
	4	117	0.046	0.027
	5	217	0.046	0.000475
	6	253	0.046	0.0645
W^{183}				
	1	7.62	0.052	0.00119
	2	27.1	0.046	0.0116
	3	40.8	0.046	0.000157
	4	46.6	0.046	0.037
	5	48.1	0.046	0.0036
	6	65.7	0.046	0.00026
	7	102	0.046	0.017
	8	136	0.046	0.00048
	9	146	0.046	0.008
	10	157	0.046	0.0344
	11	177	0.046	0.0109
W^{184}				
	1	187	0.046	0.076
W^{186}				
	1	18.8	0.046	0.065
	2	175	0.046	0.0035
	3	221	0.046	0.0369

III. RESULTS

The results of the calculation are presented in tables, each of which gives the total, scattering, and radiative capture cross section as a function of energy for one temperature. The temperatures increase by approximately a factor of two from thermal, 0.0253 ev, to 100 ev. Of course, only the first two or three tabulated figures are significant and the last two figures give the exponent; thus, for example, 1.0756678 02 is read 108, and 9.3158847-01 is read 0.93.

The accuracy of these values primarily rests upon the accuracy of experiment. The computational mesh, the isolated level approximation, the use of a Maxwellian velocity distribution, the fitting of radius and 1/v parameters -- all these appear to have errors less than or the same order of experimental error. The approximation of using a constant radiative capture width, while a good one, might be said to be of the order of experiment or better. From experiment then we must estimate our error. Of course, the small resonances have the biggest error but have the least contribution. The error in neutron widths, for example, ranges from about $\pm 10\%$ for the smallest resonance (217 ev) to about $\pm 3\%$ (4.14 ev) for a medium size resonance.

FIGURES

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VI.	Cross sections at 1.0 ev	64
VII.	Cross sections at 2.0 ev	72
VIII.	Cross sections at 5.0 ev	79
IX.	Cross sections at 10.0 ev	86
X.	Cross sections at 20.0 ev	92
XI.	Cross sections at 50.0 ev	96
XII.	Cross sections at 100.0 ev	99

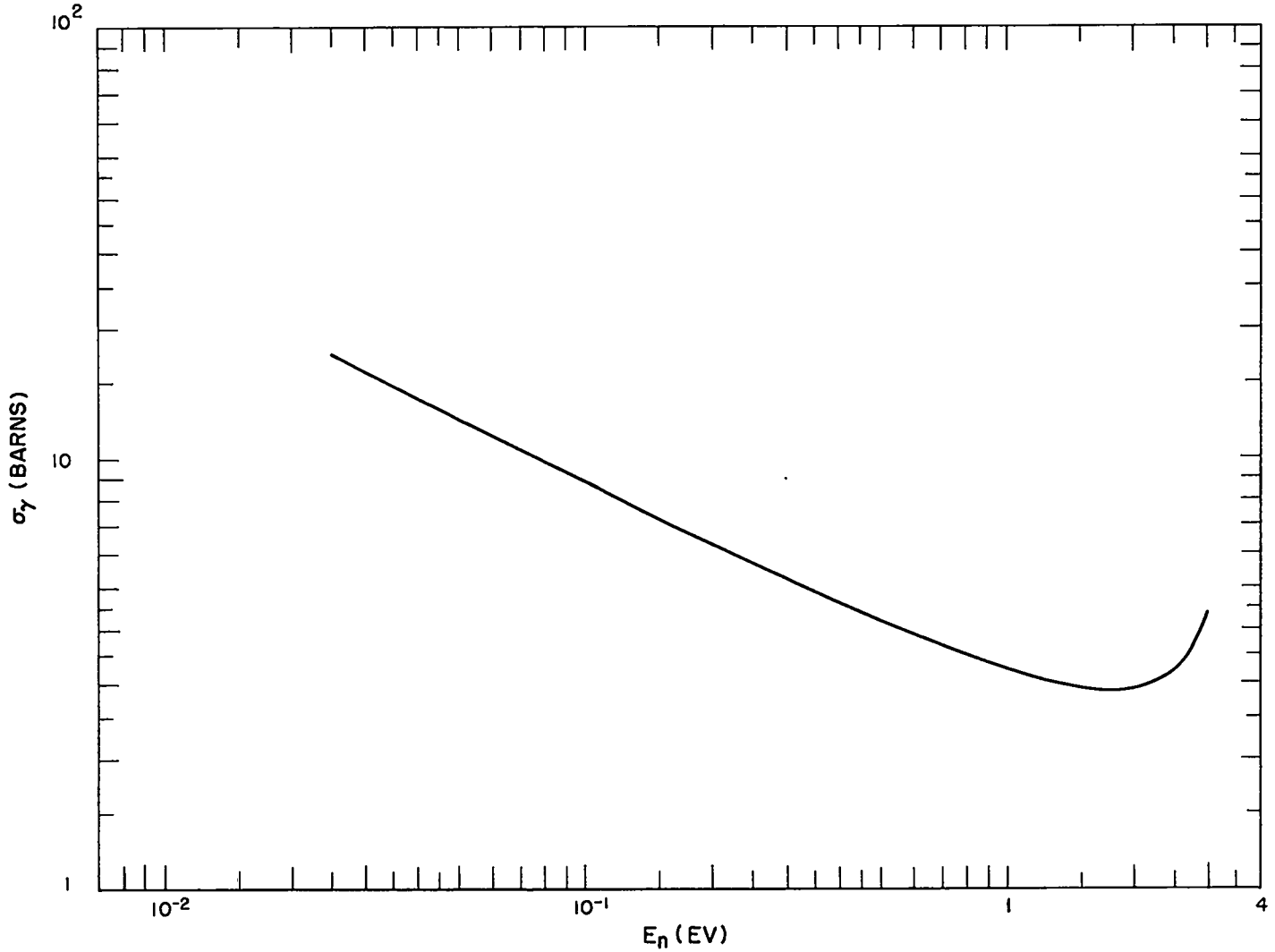

Fig. 1 Tungsten radiative capture cross section, σ_γ, versus neutron energy, E_n, from 0.0253 to 3 ev for T = 0.0253 ev.

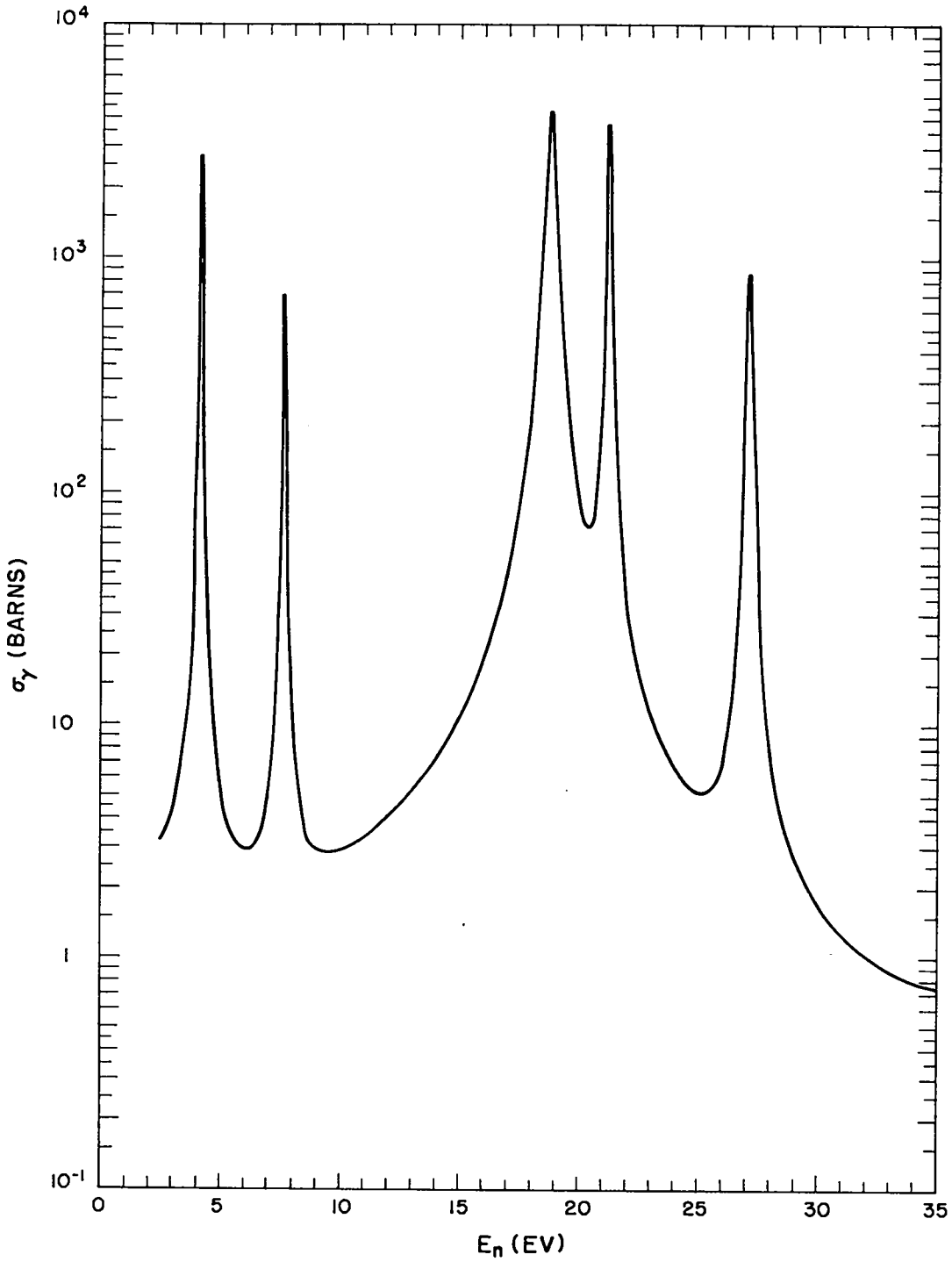

Fig. 2 Tungsten radiative capture cross section, σ_γ, versus neutron energy, E_n, from 2.5 to 35 ev for T = 0.0253 ev.

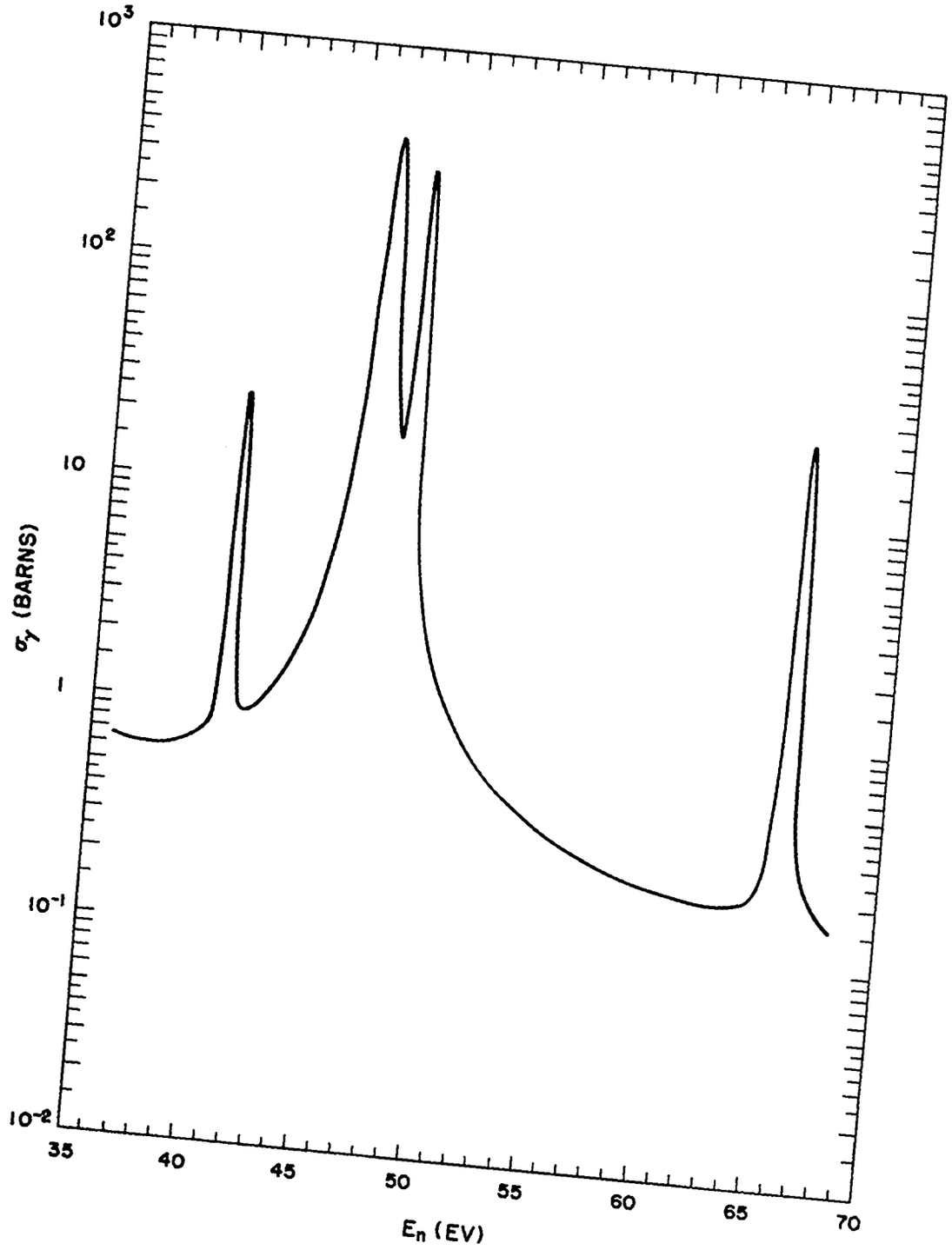

Fig. 3 Tungsten radiative capture cross section, σ_γ, versus neutron energy, E_n, from 35 to 70 ev for T = 0.0253 ev.

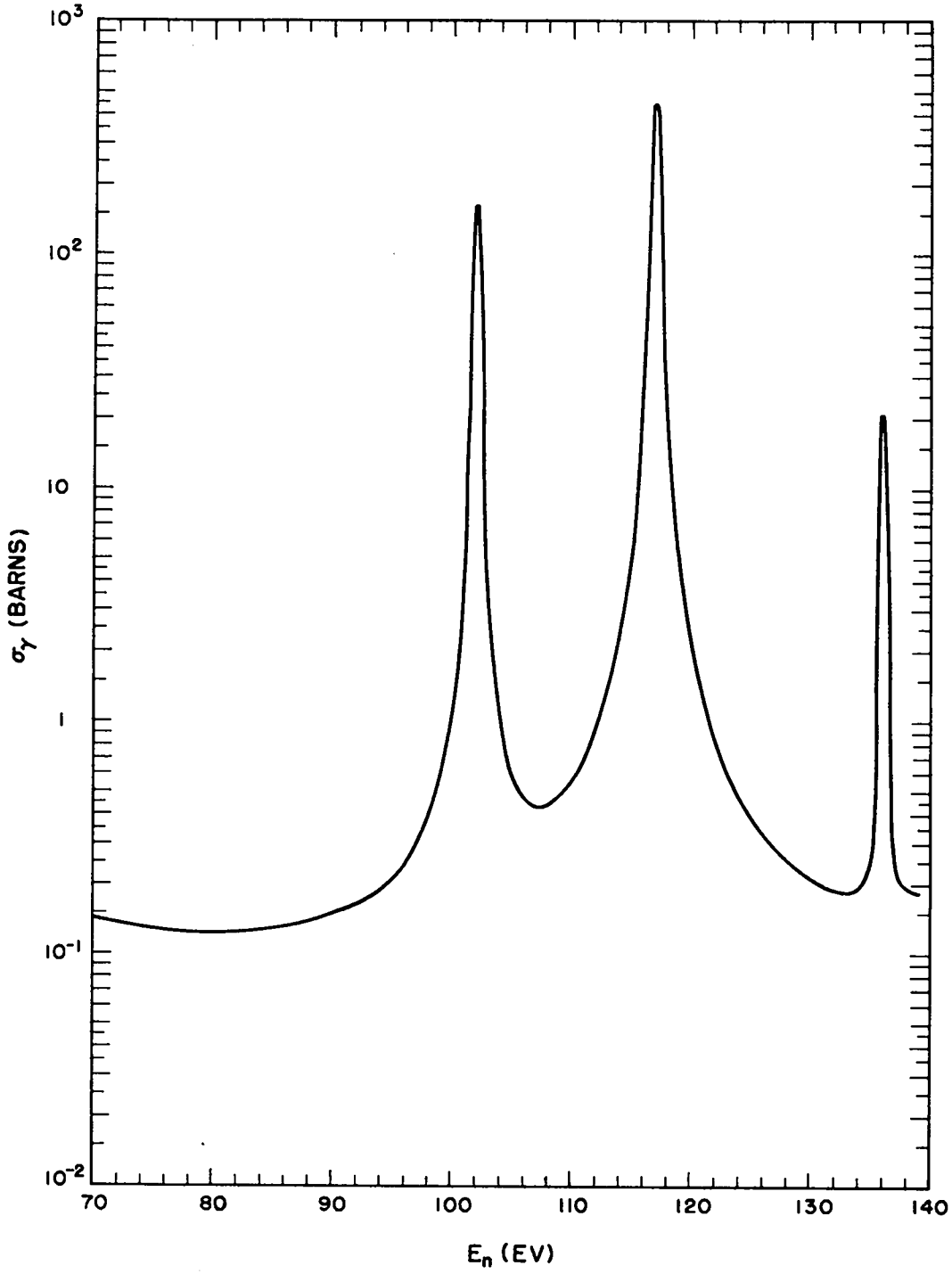

Fig. 4 Tungsten radiative capture cross section, σ_γ, versus neutron energy, E_n, from 70 to 140 ev for T = 0.0253 ev.

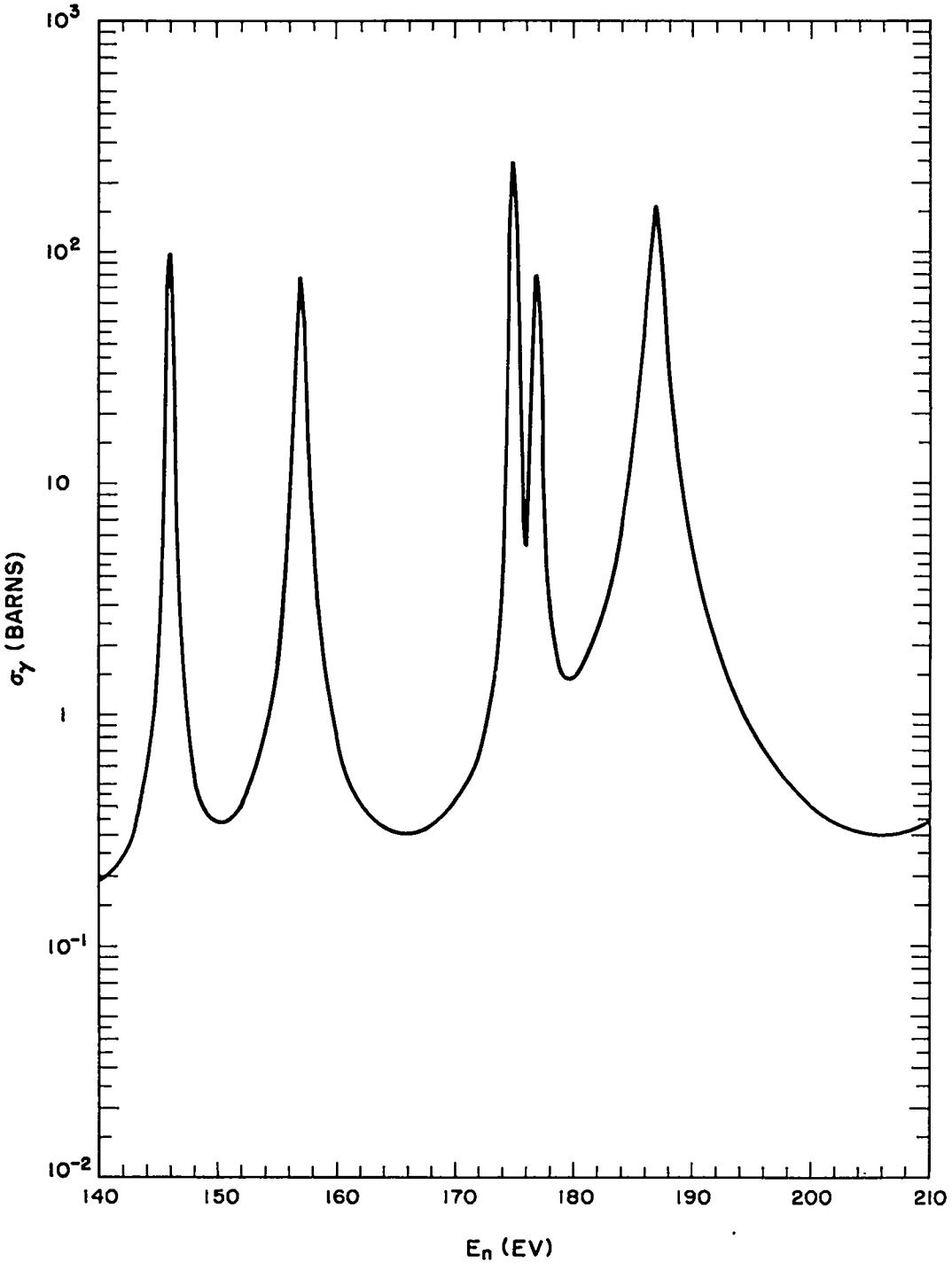

Fig. 5 Tungsten radiative capture cross section, σ_γ, versus neutron energy, E_n, from 140 to 210 ev for T = 0.0253 ev.

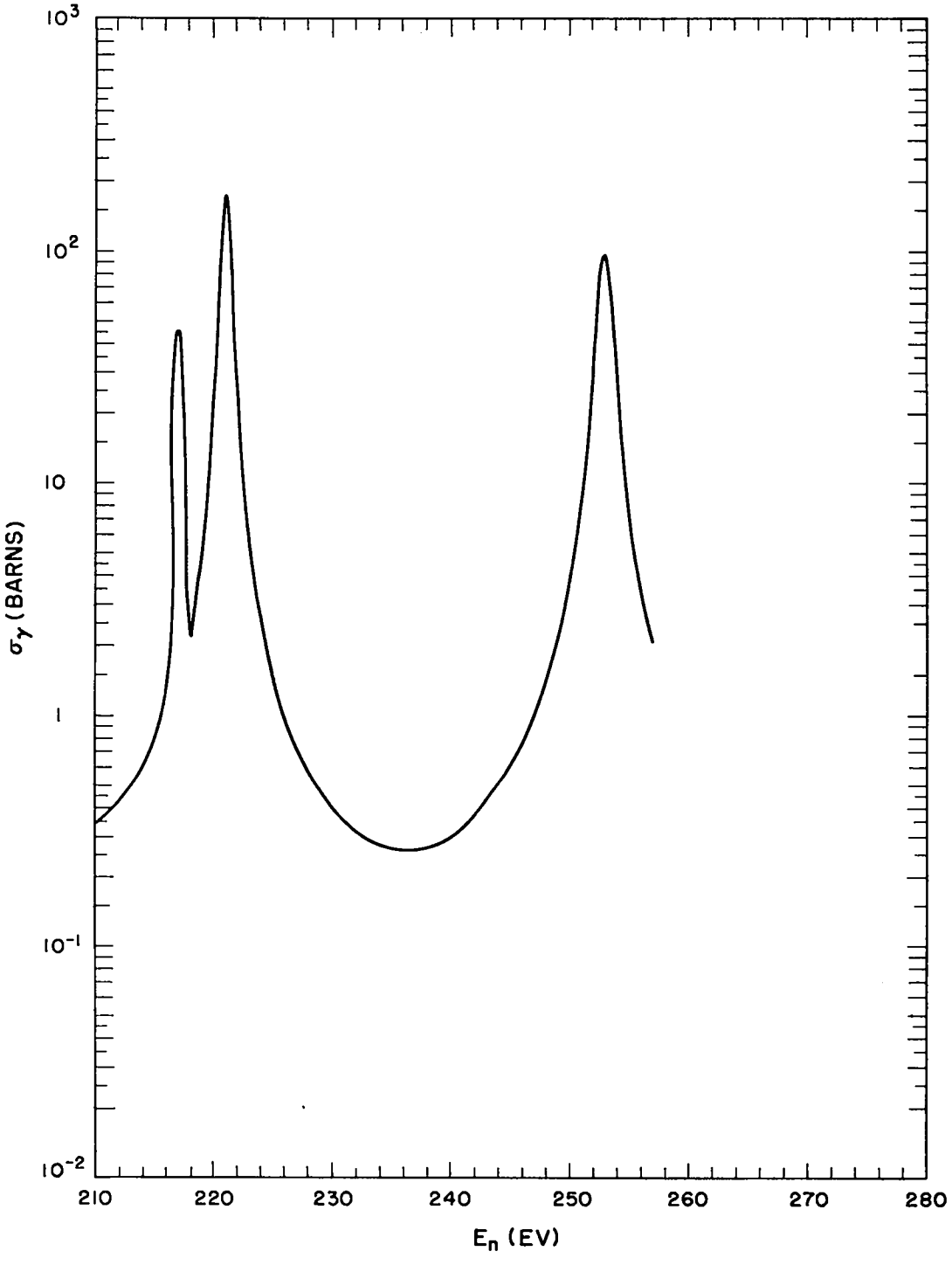

Fig. 6 Tungsten radiative capture cross section, σ_γ, versus neutron energy, E_n, from 210 to 257 ev for T = 0.0253 ev.

TABLE I

W CROSS SECTIONS

W Temperature = 0.0253 ev

Neutron Energy, E_n(ev)	Radiative Capture Cross Section, σ_γ(barns)	Scattering Cross Section, σ_S(barns)	Total Cross Section, σ_T(barns)
2.5300000-02	1.7372094 01	5.6141987 00	2.2986293 01
5.0000009-02	1.2397790 01	5.6037347 00	1.8001524 01
1.0000005-01	8.8252915 00	5.5939516 00	1.4419243 01
2.0000005-01	6.3262272 00	5.5800423 00	1.1906270 01
3.0000007-01	5.2386278 00	5.5672587 00	1.0805887 01
5.0000005-01	4.1797561 00	5.5418882 00	9.7216443 00
7.0000005-01	3.6466848 00	5.5159337 00	9.1626184 00
1.0000005 00	3.2163569 00	5.4751181 00	8.6914749 00
1.2000005 00	3.0540911 00	5.4462271 00	8.5003182 00
1.4000005 00	2.9537268 00	5.4155454 00	8.3692722 00
1.5000005 00	2.9221487 00	5.3994014 00	8.3215500 00
1.6000005 00	2.9016661 00	5.3826304 00	8.2842965 00
1.7000005 00	2.8918146 00	5.3651497 00	8.2569644 00
1.8000005 00	2.8924779 00	5.3468628 00	8.2393407 00
1.9000005 00	2.9038724 00	5.3276563 00	8.2315287 00
2.0000005 00	2.9265566 00	5.3073967 00	8.2339532 00
2.1000005 00	2.9614690 00	5.2859265 00	8.2473954 00
2.2000005 00	3.0099952 00	5.2630538 00	8.2730490 00
2.3000005 00	3.0740745 00	5.2385512 00	8.3126256 00
2.4000005 00	3.1563613 00	5.2121389 00	8.3685002 00
2.5000005 00	3.2604649 00	5.1834771 00	8.4439421 00
2.6000005 00	3.3913051 00	5.1521430 00	8.5434480 00
2.7000005 00	3.5556552 00	5.1176082 00	8.6732635 00
2.8000005 00	3.7629780 00	5.0792022 00	8.8421801 00
2.9000005 00	4.0267578 00	5.0360656 00	9.0628234 00
3.0000005 00	4.3666878 00	4.9870804 00	9.3537681 00
3.1000005 00	4.8123970 00	4.9307651 00	9.7431621 00
3.2000005 00	5.4101009 00	4.8651316 00	1.0275232 01
3.3000005 00	6.2351335 00	4.7874570 00	1.1022591 01
3.4000005 00	7.4171538 00	4.6939688 00	1.2111123 01
3.5000005 00	9.1952325 00	4.5794046 00	1.3774637 01
3.6000005 00	1.2051549 01	4.4366387 00	1.6488188 01
3.7000005 00	1.7085480 01	4.2575460 00	2.1343025 01
3.8000005 00	2.7295286 01	4.0429011 00	3.1338187 01
3.9000005 00	5.3659403 01	3.8851066 00	5.7544510 01
3.9500005 00	8.6931380 01	4.0391064 00	9.0970486 01
4.0000005 00	1.7271544 02	5.1879673 00	1.7790341 02
4.0500005 00	5.2539749 02	1.3458443 01	5.3885594 02
4.1000005 00	1.8397054 03	5.4826568 01	1.8945320 03
4.1300005 00	2.6489651 03	8.7268036 01	2.7362331 03
4.1400005 00	2.7116704 03	9.2429016 01	2.8040994 03
4.1500005 00	2.6371912 03	9.3182648 01	2.7303739 03
4.2000005 00	1.1583865 03	5.3044327 01	1.2114308 03
4.2500005 00	3.1092661 02	2.2939392 01	3.3386600 02
4.3000005 00	1.2273942 02	1.4547837 01	1.3728726 02
4.4000005 00	4.3233540 01	9.9975419 00	5.3231083 01
4.5000005 00	2.2724891 01	8.4723580 00	3.1197249 01
4.6000004 00	1.4393772 01	7.7193045 00	2.2113076 01
4.7000005 00	1.0202758 01	7.2741464 00	1.7476905 01
4.8000005 00	7.8065587 00	6.9816431 00	1.4788202 01
5.0000005 00	5.3269692 00	6.6232694 00	1.1950238 01
5.2000004 00	4.1556992 00	6.4145709 00	1.0570270 01
5.5000005 00	3.3331360 00	6.2304607 00	9.5635966 00
5.7000005 00	3.0742732 00	6.1538731 00	9.2281463 00
5.8000005 00	2.9964047 00	6.1243614 00	9.1207660 00
5.9000005 00	2.9457248 00	6.0993854 00	9.0451101 00
6.0000005 00	2.9194248 00	6.0782287 00	8.9976535 00
6.1000005 00	2.9163210 00	6.0603235 00	8.9766444 00
6.2000005 00	2.9367675 00	6.0452135 00	8.9819810 00
6.3000005 00	2.9828033 00	6.0325295 00	9.0153328 00
6.5000005 00	3.1711680 00	6.0133451 00	9.1845131 00
6.7000005 00	3.5606193 00	6.0015306 00	9.5621499 00
6.8000005 00	3.8884861 00	5.9987525 00	9.8872386 00

TABLE I (Continued) T = 0.0253 ev

E_n(ev)	σ_γ(barns)	σ_S(barns)	σ_T(barns)
6.9000005 00	4.3724163 00	5.9992046 00	1.0371621 01
7.0000005 00	5.1197618 00	6.0054847 00	1.1125246 01
7.1000004 00	6.3544901 00	6.0243065 00	1.2378797 01
7.2000005 00	8.6121571 00	6.0748002 00	1.4686957 01
7.3000005 00	1.3472888 01	6.2228247 00	1.9695713 01
7.4000004 00	2.7807117 01	6.8009872 00	3.4608104 01
7.4500005 00	5.0489945 01	7.9049230 00	5.8394866 01
7.5000005 00	1.2529000 02	1.2078524 01	1.3736853 02
7.5500005 00	3.5116489 02	2.5942395 01	3.7710726 02
7.5800005 00	5.4955391 02	3.8952095 01	5.8850600 02
7.6000005 00	6.5270994 02	4.6254112 01	6.9896406 02
7.6100005 00	6.8149432 02	4.8573959 01	7.3006829 02
7.6200005 00	6.9083737 02	4.9701561 01	7.4053894 02
7.6300005 00	6.7981648 02	4.9544564 01	7.2936105 02
7.6500005 00	6.0311232 02	4.5650284 01	6.4876260 02
7.6700005 00	4.7951214 02	3.8470371 01	5.1798251 02
7.7000004 00	2.8727904 02	2.6596573 01	3.1387562 02
7.7500005 00	1.0091211 02	1.4360940 01	1.1527306 02
7.8000005 00	4.3205782 01	1.0234413 01	5.3440196 01
7.9000005 00	1.6732190 01	8.1050742 00	2.4837265 01
8.0000005 00	9.7661871 00	7.4737452 00	1.7239932 01
8.1000004 00	6.8616001 00	7.1950347 00	1.4056635 01
8.3000005 00	4.5159313 00	6.9760672 00	1.1491999 01
8.5000005 00	3.6250049 00	6.9225753 00	1.0547580 01
8.7000003 00	3.2114889 00	6.9376670 00	1.0149156 01
8.9000005 00	3.0020686 00	6.9916004 00	9.9936691 00
9.0000005 00	2.9396042 00	7.0292210 00	9.9688251 00
9.1000004 00	2.8959298 00	7.0728776 00	9.9688074 00
9.2000003 00	2.8667236 00	7.1221072 00	9.9888307 00
9.3000003 00	2.8489328 00	7.1766202 00	1.0025553 01
9.5000005 00	2.8393653 00	7.3008810 00	1.0140247 01
9.7000003 00	2.8556383 00	7.4452083 00	1.0300847 01
1.0000005 01	2.9149874 00	7.7005020 00	1.0615489 01
1.0500005 01	3.0830103 00	8.2408849 00	1.1323895 01
1.1000005 01	3.3235731 00	8.9548850 00	1.2278458 01
1.1500005 01	3.6374802 00	9.8935248 00	1.3531005 01
1.2000005 01	4.0365542 00	1.1131286 01	1.5167840 01
1.3000005 01	5.1884688 00	1.4991777 01	2.0180246 01
1.4000005 01	7.1359826 00	2.2257495 01	2.9393477 01
1.5000005 01	1.0775411 01	3.7365701 01	4.8141112 01
1.6000005 01	1.8837163 01	7.4476231 01	9.3313393 01
1.6500005 01	2.7213549 01	1.1575203 02	1.4296557 02
1.7000005 01	4.3304524 01	1.9892164 02	2.4222617 02
1.7500005 01	8.0810473 01	4.0203749 02	4.8284796 02
1.8000005 01	2.0617891 02	1.1129102 03	1.3190891 03
1.8200005 01	3.5778021 02	1.9957301 03	2.3535103 03
1.8400005 01	7.5906355 02	4.3758318 03	5.1348953 03
1.8500005 01	1.2366674 03	7.2466019 03	8.4832693 03
1.8600005 01	2.1411196 03	1.2744201 04	1.4885321 04
1.8700005 01	3.4633017 03	2.0901167 04	2.4364469 04
1.8800005 01	4.2012845 03	2.5661064 04	2.9862348 04
1.8900005 01	3.4237564 03	2.1158162 04	2.4581919 04
1.9000005 01	2.1031722 03	1.3164172 04	1.5267344 04
1.9100005 01	1.2111101 03	7.6836379 03	8.8947481 03
1.9200005 01	7.4158462 02	4.7664484 03	5.5080330 03
1.9300005 01	4.9191390 02	3.1992113 03	3.6911252 03
1.9500005 01	2.5973773 02	1.7206098 03	1.9803475 03
1.9700005 01	1.6151245 02	1.0787482 03	1.2402606 03
1.9800005 01	1.3312544 02	8.8764712 02	1.0207726 03
2.0000005 01	9.7384700 01	6.3531867 02	7.3270337 02
2.0200005 01	7.8596765 01	4.8165282 02	5.6024959 02
2.0300005 01	7.3737181 01	4.2706183 02	5.0079901 02
2.0400005 01	7.1795752 01	3.8316650 02	4.5496224 02

TABLE I (Continued) T = 0.0253 ev

E_n(ev)	σ_γ(barns)	σ_S(barns)	σ_T(barns)
2.0500005 01	7.3335977 01	3.4835452 02	4.2169049 02
2.0600005 01	7.9895883 01	3.2221228 02	4.0210817 02
2.0700005 01	9.5281768 01	3.0630234 02	4.0158410 02
2.0800005 01	1.3015590 02	3.0745910 02	4.3761500 02
2.0900005 01	2.2656625 02	3.5645470 02	5.8302094 02
2.1000005 01	6.3927388 02	6.5178141 02	1.2910553 03
2.1100005 01	2.2224062 03	1.8918410 03	4.1142472 03
2.1150005 01	3.2884545 03	2.7587947 03	6.0472492 03
2.1200005 01	3.7635475 03	3.1751220 03	6.9386695 03
2.1250005 01	3.2722087 03	2.8198271 03	6.0920357 03
2.1300005 01	2.2032392 03	1.9825308 03	4.1857700 03
2.1400005 01	6.2813631 02	7.0468409 02	1.3328204 03
2.1500005 01	2.1340669 02	3.4651398 02	5.5992067 02
2.1700005 01	7.4137358 01	2.0496262 02	2.7909998 02
2.2000005 01	3.4168455 01	1.4711912 02	1.8128758 02
2.2500005 01	1.7231527 01	1.0734782 02	1.2457935 02
2.3000005 01	1.1322805 01	8.5889733 01	9.7212537 01
2.3500005 01	8.3626976 00	7.1841980 01	8.0204678 01
2.4000005 01	6.6485327 00	6.1887737 01	6.8536269 01
2.4500005 01	5.6341380 00	5.4544368 01	6.0178505 01
2.5000005 01	5.1539060 00	4.9076894 01	5.4230800 01
2.5500005 01	5.3298312 00	4.5265696 01	5.0595527 01
2.6000005 01	7.0455751 00	4.3903164 01	5.0948738 01
2.6500005 01	1.7029993 01	5.3023880 01	7.0053873 01
2.6800005 01	7.5887526 01	1.2557647 02	2.0146399 02
2.6900005 01	2.1322919 02	3.0248665 02	5.1571584 02
2.7000004 01	5.8150996 02	7.8422385 02	1.3657338 03
2.7100005 01	8.6492998 02	1.1636700 03	2.0285999 03
2.7200005 01	5.7789086 02	7.9610481 02	1.3739957 03
2.7300005 01	2.1164539 02	3.1606193 02	5.2770732 02
2.7500005 01	3.7127095 01	8.2744128 01	1.1987123 02
2.8000005 01	7.7880820 00	4.0154186 01	4.7942268 01
2.8500005 01	3.9773763 00	3.3049670 01	3.7027046 01
2.9000005 01	2.6897024 00	2.9792225 01	3.2481927 01
3.0000005 01	1.6986344 00	2.6099214 01	2.7797849 01
3.1000005 01	1.2782777 00	2.3725267 01	2.5003545 01
3.2000005 01	1.0397681 00	2.1951445 01	2.2991213 01
3.3000005 01	8.8533676-01	2.0543229 01	2.1428565 01
3.4000005 01	7.7912435-01	1.9388258 01	2.0167382 01
3.5000005 01	7.0497263-01	1.8421767 01	1.9126740 01
3.6000005 01	6.5499668-01	1.7603329 01	1.8258325 01
3.7000005 01	6.2588644-01	1.6907996 01	1.7533882 01
3.8000005 01	6.1820696-01	1.6323489 01	1.6941696 01
3.8500005 01	6.2420681-01	1.6072841 01	1.6697048 01
3.9000005 01	6.3967881-01	1.5852593 01	1.6492272 01
3.9500004 01	6.7173654-01	1.5668013 01	1.6339750 01
4.0000005 01	7.5376317-01	1.5532414 01	1.6286177 01
4.0300005 01	9.4011521-01	1.5495845 01	1.6435960 01
4.0500005 01	2.0994529 00	1.5552140 01	1.7651593 01
4.0600004 01	6.3135353 00	1.5698541 01	2.2012076 01
4.0700005 01	1.6523782 01	1.5910250 01	3.2434032 01
4.0800005 01	2.3511170 01	1.5855290 01	3.9366460 01
4.0900005 01	1.6481339 01	1.5481884 01	3.1963222 01
4.1000005 01	6.3366451 00	1.5234584 01	2.1571229 01
4.1100005 01	2.1634736 00	1.5201991 01	1.7365465 01
4.1300005 01	1.0455083 00	1.5251739 01	1.6297248 01
4.1400005 01	9.7278711-01	1.5274416 01	1.6247204 01
4.1500005 01	9.4135306-01	1.5297751 01	1.6239103 01
4.1600005 01	9.2948334-01	1.5323496 01	1.6252979 01
4.1800005 01	9.3523269-01	1.5386648 01	1.6321881 01
4.2000005 01	9.6253819-01	1.5470740 01	1.6433277 01
4.2500005 01	1.0878712 00	1.5813155 01	1.6901026 01

TABLE I (Continued) T = 0.0253 ev

E_n(ev)	σ_γ(barns)	σ_S(barns)	σ_T(barns)
4.3000005 01	1.2934754 00	1.6447859 01	1.7741334 01
4.3300005 01	1.4696208 00	1.7053807 01	1.8523428 01
4.3500005 01	1.6179785 00	1.7596423 01	1.9214401 01
4.4000005 01	2.1542716 00	1.9721082 01	2.1875354 01
4.4500005 01	3.1220395 00	2.3921454 01	2.7043493 01
4.5000005 01	5.1357557 00	3.3341231 01	3.8476986 01
4.5500005 01	1.0510477 01	6.0099305 01	7.0609782 01
4.6000005 01	3.5270972 01	1.9000350 02	2.2527448 02
4.6300005 01	1.3635717 02	7.3716096 02	8.7351812 02
4.6500005 01	3.4062043 02	1.8623954 03	2.2030159 03
4.6600005 01	3.9295648 02	2.1606055 03	2.5535620 03
4.6700005 01	3.3923943 02	1.8764881 03	2.2157276 03
4.6800005 01	2.2896116 02	1.2754734 03	1.5044345 03
4.6900005 01	1.3565349 02	7.6175370 02	8.9740719 02
4.7000005 01	8.0548881 01	4.5540914 02	5.3595802 02
4.7200004 01	3.6035252 01	2.0239909 02	2.3843434 02
4.7300005 01	2.7055689 01	1.4821028 02	1.7526597 02
4.7400005 01	2.1694399 01	1.1268557 02	1.3437997 02
4.7500005 01	1.8683086 01	8.7568436 01	1.0625152 02
4.7600005 01	1.7803371 01	6.8461246 01	8.6264616 01
4.7700005 01	2.0826842 01	5.3150052 01	7.3976894 01
4.7800005 01	3.7812862 01	4.4315786 01	8.2128648 01
4.7900005 01	9.8213331 01	6.0920849 01	1.5913418 02
4.8000005 01	2.1303601 02	1.2870770 02	3.4174370 02
4.8100005 01	2.8171040 02	2.0522485 02	4.8693525 02
4.8200005 01	2.1086052 02	2.0224497 02	4.1310549 02
4.8300005 01	9.4893366 01	1.3976490 02	2.3465827 02
4.8500005 01	1.4174617 01	6.7302344 01	8.1476959 01
4.8700005 01	6.4277053 00	4.9781172 01	5.6208877 01
4.9000005 01	3.6904794 00	3.8859064 01	4.2549544 01
4.9500005 01	2.1576717 00	3.0281851 01	3.2439523 01
5.0000005 01	1.5005470 00	2.5766945 01	2.7267492 01
5.1000005 01	9.0424902-01	2.1041573 01	2.1945823 01
5.2000004 01	6.3553976-01	1.8595917 01	1.9231457 01
5.3000005 01	4.8815437-01	1.7095489 01	1.7583643 01
5.5000005 01	3.3709605-01	1.5320839 01	1.5657935 01
5.7000005 01	2.6333583-01	1.4269320 01	1.4532655 01
5.9000005 01	2.2115773-01	1.3542981 01	1.3764139 01
6.0000005 01	2.0664337-01	1.3250072 01	1.3456715 01
6.1000005 01	1.9530786-01	1.2988740 01	1.3184048 01
6.2000005 01	1.8701870-01	1.2750785 01	1.2937803 01
6.2500005 01	1.8428056-01	1.2638114 01	1.2822395 01
6.3000005 01	1.8298143-01	1.2528030 01	1.2711011 01
6.4000005 01	1.9084614-01	1.2306387 01	1.2497233 01
6.4500004 01	2.1374436-01	1.2182450 01	1.2396194 01
6.5000005 01	3.2381700-01	1.2011822 01	1.2335639 01
6.5200004 01	5.6983606-01	1.1892710 01	1.2462545 01
6.5400005 01	3.3936882 00	1.1744285 01	1.5137973 01
6.5500005 01	9.4939870 00	1.1886453 01	2.1380440 01
6.5600003 01	1.8810415 01	1.2445832 01	3.1256247 01
6.5700005 01	2.3779981 01	1.3177398 01	3.6957378 01
6.5800005 01	1.8759024 01	1.3448793 01	3.2207817 01
6.5900004 01	9.4605595 00	1.3152256 01	2.2612816 01
6.6000005 01	3.3869615 00	1.2736430 01	1.6123391 01
6.6200005 01	5.6365137-01	1.2331246 01	1.2894898 01
6.6500005 01	2.7183001-01	1.2146973 01	1.2418803 01
6.7000005 01	1.9184220-01	1.1996348 01	1.2188190 01
6.8000005 01	1.5823453-01	1.1800615 01	1.1958850 01
7.0000005 01	1.4194401-01	1.1498159 01	1.1640103 01
7.2000005 01	1.3481057-01	1.1235382 01	1.1370193 01
7.4000005 01	1.3027779-01	1.0993350 01	1.1123628 01
7.6000005 01	1.2728148-01	1.0764703 01	1.0891984 01
7.8000005 01	1.2550213-01	1.0544727 01	1.0670229 01

TABLE I (Continued) T = 0.0253 ev

E_n(ev)	σ_γ(barns)	σ_S(barns)	σ_T(barns)
8.0000005 01	1.2484865-01	1.0329741 01	1.0454590 01
8.2000005 01	1.2535997-01	1.0116465 01	1.0241825 01
8.4000005 01	1.2719921-01	9.9017045 00	1.0028904 01
8.6000005 01	1.3069740-01	9.6820263 00	9.8127237 00
8.8000005 01	1.3646555-01	9.4534886 00	9.5899541 00
9.0000005 01	1.4565410-01	9.2112542 00	9.3569082 00
9.2000005 01	1.6060250-01	8.9491752 00	9.1097777 00
9.4000005 01	1.8672850-01	8.6599661 00	8.8466946 00
9.5000005 01	2.0791137-01	8.5034953 00	8.7114066 00
9.6000005 01	2.3939680-01	8.3404798 00	8.5798765 00
9.7000005 01	2.8981751-01	8.1782737 00	8.4680912 00
9.8000005 01	3.7978050-01	8.0446271 00	8.4244075 00
9.9000005 01	5.6960792-01	8.0505306 00	8.6201384 00
1.0000005 02	1.1078040 00	8.7795861 00	9.8873900 00
1.0050005 02	1.8732093 00	1.0416443 01	1.2289652 01
1.0100005 02	4.1905477 00	1.6653049 01	2.0843597 01
1.0120005 02	6.7953258 00	2.4537164 01	3.1332490 01
1.0150005 02	2.2010390 01	7.5861877 01	9.7872267 01
1.0170005 02	6.6814035 01	2.3830338 02	3.0511741 02
1.0180005 02	1.0668949 02	3.8801683 02	4.9470631 02
1.0190005 02	1.4501017 02	5.3700075 02	6.8201091 02
1.0200005 02	1.6116889 02	6.0768799 02	7.6885687 02
1.0210005 02	1.4470406 02	5.5690489 02	7.0160894 02
1.0220005 02	1.0630516 02	4.2024311 02	5.2654826 02
1.0230005 02	6.6539256 01	2.7345303 02	3.3999229 02
1.0250005 02	2.1934712 01	1.0306456 02	1.2499927 02
1.0280005 02	6.7687139 00	4.1297034 01	4.8065747 01
1.0300005 02	4.1779018 00	2.9835966 01	3.4013868 01
1.0350005 02	1.8856080 00	1.8894992 01	2.0780600 01
1.0400005 02	1.1394494 00	1.4878518 01	1.6017968 01
1.0500005 02	6.3586438-01	1.1651539 01	1.2287403 01
1.0600005 02	4.8235726-01	1.0265585 01	1.0747943 01
1.0700005 02	4.3504485-01	9.4667033 00	9.9017480 00
1.0800005 02	4.3836157-01	8.9277547 00	9.3661162 00
1.0900005 02	4.7869665-01	8.5399741 00	9.0186707 00
1.1000005 02	5.5928586-01	8.2789066 00	8.8381923 00
1.1100005 02	6.9822654-01	8.1848601 00	8.8830866 00
1.1200005 02	9.3972211-01	8.4066791 00	9.3464011 00
1.1300005 02	1.3937476 00	9.3816078 00	1.0775355 01
1.1400005 02	2.3861304 00	1.2570904 01	1.4957034 01
1.1500005 02	5.2628081 00	2.4692344 01	2.9955152 01
1.1550005 02	9.3860376 00	4.4747234 01	5.4133271 01
1.1580005 02	1.4864134 01	7.3396835 01	8.8260969 01
1.1600005 02	2.1855892 01	1.1165222 02	1.3350811 02
1.1620005 02	3.5669341 01	1.9021962 02	2.2588896 02
1.1640005 02	6.8963179 01	3.8748708 02	4.5645026 02
1.1650005 02	1.0332203 02	5.9672466 02	7.0004669 02
1.1660005 02	1.5867028 02	9.4005111 02	1.0987214 03
1.1670005 02	2.3847328 02	1.4440351 03	1.6825084 03
1.1680005 02	3.3284780 02	2.0523630 03	2.3852107 03
1.1690005 02	4.1342850 02	2.5890238 03	3.0024522 03
1.1700005 02	4.4535658 02	2.8291333 03	3.2744899 03
1.1710005 02	4.1262990 02	2.6598023 03	3.0724322 03
1.1720005 02	3.3169318 02	2.1736449 03	2.5053380 03
1.1730005 02	2.3742798 02	1.5874602 03	1.8248881 03
1.1740005 02	1.5792009 02	1.0827124 03	1.2406324 03
1.1750005 02	1.0282270 02	7.2675508 02	8.2957779 02
1.1760005 02	6.8610800 01	5.0185766 02	5.7046845 02
1.1780005 02	3.5436200 01	2.7830938 02	3.1374558 02
1.1800005 02	2.1673172 01	1.8228850 02	2.0396167 02
1.1820005 02	1.4712289 01	1.3220884 02	1.4692113 02
1.1850005 02	9.2638539 00	9.1682706 01	1.0094656 02
1.1900005 02	5.1686342 00	5.9708550 01	6.4877184 01

TABLE I (Continued) T = 0.0253 ev

E_n(ev)	σ_γ(barns)	σ_S(barns)	σ_T(barns)
1.2000005 02	2.3170458 00	3.5572371 01	3.7889416 01
1.2100005 02	1.3340971 00	2.6268582 01	2.7602678 01
1.2200005 02	8.8235847-01	2.1527078 01	2.2409437 01
1.2300005 02	6.3821688-01	1.8698670 01	1.9336886 01
1.2500005 02	3.9727103-01	1.5503194 01	1.5900465 01
1.2700005 02	2.8767546-01	1.3731070 01	1.4018746 01
1.2900005 02	2.3038672-01	1.2577633 01	1.2808019 01
1.3000005 02	2.1233456-01	1.2130126 01	1.2342460 01
1.3100005 02	1.9921216-01	1.1739457 01	1.1938669 01
1.3200005 02	1.9048730-01	1.1391119 01	1.1581606 01
1.3300005 02	1.8695949-01	1.1073323 01	1.1260283 01
1.3400005 02	1.9439260-01	1.0773335 01	1.0967728 01
1.3450005 02	2.1148427-01	1.0622845 01	1.0834330 01
1.3500005 02	2.7088352-01	1.0460172 01	1.0731055 01
1.3520005 02	3.5098141-01	1.0385492 01	1.0736473 01
1.3550005 02	1.5229575 00	1.0332243 01	1.1855200 01
1.3570005 02	7.2848934 00	1.0862991 01	1.8147884 01
1.3580005 02	1.2825974 01	1.1532671 01	2.4358646 01
1.3590005 02	1.8212625 01	1.2305727 01	3.0518353 01
1.3600005 02	2.0512303 01	1.2800930 01	3.3313232 01
1.3610005 02	1.8183350 01	1.2732142 01	3.0915492 01
1.3620005 02	1.2791855 01	1.2192220 01	2.4984075 01
1.3630005 02	7.2648597 00	1.1514234 01	1.8779093 01
1.3650005 02	1.5224746 00	1.0646345 01	1.2168820 01
1.3680005 02	3.4934023-01	1.0312629 01	1.0661970 01
1.3700005 02	2.6895168-01	1.0222955 01	1.0491907 01
1.3750005 02	2.0926369-01	1.0061670 01	1.0270933 01
1.3800005 02	1.9196514-01	9.9295479 00	1.0121513 01
1.3900005 02	1.8496139-01	9.6943815 00	9.8793428 00
1.4000005 02	1.9131875-01	9.4768896 00	9.6682084 00
1.4100005 02	2.0824368-01	9.2712034 00	9.4794471 00
1.4200005 02	2.4242538-01	9.0817002 00	9.3241255 00
1.4300005 02	3.1741963-01	8.9352881 00	9.2527076 00
1.4400005 02	5.3326288-01	8.9758606 00	9.5091235 00
1.4450005 02	8.4513629-01	9.3133878 00	1.0158524 01
1.4500005 02	1.8369171 00	1.0841990 01	1.2678907 01
1.4520005 02	3.1061620 00	1.3099700 01	1.6205862 01
1.4550005 02	1.3405271 01	3.3533560 01	4.6938831 01
1.4570005 02	4.3756203 01	9.6471962 01	1.4022816 02
1.4580005 02	6.7710238 01	1.4711028 02	2.1482052 02
1.4590005 02	8.9021694 01	1.9306685 02	2.8208854 02
1.4600005 02	9.7645382 01	2.1304386 02	3.1068924 02
1.4610008 02	8.8886291 01	1.9652952 02	2.8541582 02
1.4620005 02	6.7537619 01	1.5293065 02	2.2046827 02
1.4630005 02	4.3629040 01	1.0309511 02	1.4672415 02
1.4650005 02	1.3386769 01	3.8841138 01	5.2227907 01
1.4680005 02	3.1102553 00	1.6084598 01	1.9194853 01
1.4700005 02	1.8458978 00	1.3022107 01	1.4868005 01
1.4750005 02	8.6730248-01	1.0407583 01	1.1274886 01
1.4800005 02	5.6785620-01	9.4520322 00	1.0019888 01
1.4900005 02	3.7869793-01	8.6163653 00	8.9950632 00
1.5000005 02	3.3749665-01	8.1969947 00	8.5344913 00
1.5100005 02	3.5133901-01	7.9481813 00	8.2995203 00
1.5200005 02	4.1034665-01	7.8677167 00	8.2780633 00
1.5300005 02	5.3982835-01	8.1201837 00	8.6600120 00
1.5400005 02	8.3442772-01	9.3288210 00	1.0163249 01
1.5500005 02	1.6969064 00	1.4432957 01	1.6129864 01
1.5550005 02	2.9357307 00	2.3155058 01	2.6090788 01
1.5600005 02	6.6768539 00	5.2675928 01	5.9352782 01
1.5620005 02	1.0713423 01	8.6732516 01	9.7445938 01
1.5650005 02	2.6725614 01	2.2990226 02	2.5662787 02
1.5670005 02	4.8754158 01	4.3690850 02	4.8566266 02
1.5700005 02	7.3729636 01	6.9601368 02	7.6974331 02

TABLE I (Continued) T = 0.0253 ev

E_n(ev)	σ_γ(barns)	σ_S(barns)	σ_T(barns)
1.5730005 02	4.8576201 01	4.8637507 02	5.3495127 02
1.5750005 02	2.6607063 01	2.8201873 02	3.0862578 02
1.5780005 02	1.0661202 01	1.2642790 02	1.3708910 02
1.5800005 02	6.6401022 00	8.5158292 01	9.1798393 01
1.5850005 02	2.9167743 00	4.4887998 01	4.7804772 01
1.5900005 02	1.6872180 00	3.0515257 01	3.2202475 01
1.6000005 02	8.3554928-01	1.9534239 01	2.0369788 01
1.6200005 02	4.1953197-01	1.2913555 01	1.3333087 01
1.6400005 02	3.2405533-01	1.0493198 01	1.0817253 01
1.6600005 02	3.0881428-01	9.1251883 00	9.4340024 00
1.6800005 02	3.3693394-01	8.1318721 00	8.4688059 00
1.7000005 02	4.1991785-01	7.2530998 00	7.6730176 00
1.7100005 02	5.0502483-01	6.7892626 00	7.2942874 00
1.7200005 02	6.6725170-01	6.2466631 00	6.9139147 00
1.7300005 02	1.0783571 00	5.5203936 00	6.5987507 00
1.7350005 02	1.6314657 00	5.0498327 00	6.6812984 00
1.7400005 02	3.3696051 00	4.7723356 00	8.1419406 00
1.7420005 02	5.9029016 00	5.6862211 00	1.1589123 01
1.7450005 02	3.2971293 01	2.7867294 01	6.0838587 01
1.7470005 02	1.1227371 02	1.0459394 02	2.1686765 02
1.7480005 02	1.7170927 02	1.6597759 02	3.3768686 02
1.7490005 02	2.2309277 02	2.2265102 02	4.4574379 02
1.7500005 02	2.4362126 02	2.5080834 02	4.9442961 02
1.7510005 02	2.2292333 02	2.3756221 02	4.6048554 02
1.7520005 02	1.7155368 02	1.9104444 02	3.6259811 02
1.7530005 02	1.1232535 02	1.3326861 02	2.4559396 02
1.7550005 02	3.3547812 01	5.1289175 01	8.4836986 01
1.7580005 02	7.1524494 00	1.9947117 01	2.7099566 01
1.7600005 02	5.4152825 00	1.7025333 01	2.2440615 01
1.7620005 02	6.2057978 00	1.8625620 01	2.4831418 01
1.7650005 02	1.7507336 01	4.9383772 01	6.6891107 01
1.7670005 02	4.2870943 01	1.2754567 02	1.7041661 02
1.7690005 02	7.3589348 01	2.3291827 02	3.0650761 02
1.7700005 02	7.8935796 01	2.5804576 02	3.3698155 02
1.7710005 02	7.3395169 01	2.4891068 02	3.2230585 02
1.7730005 02	4.2426447 01	1.6014862 02	2.0257507 02
1.7750005 02	1.6856575 01	7.7977230 01	9.4833805 01
1.7780005 02	4.8773912 00	3.5021575 01	3.9898966 01
1.7800005 02	3.1270531 00	2.7606453 01	3.0733507 01
1.7850005 02	1.8543922 00	2.1557890 01	2.3412282 01
1.7900005 02	1.5153365 00	1.9992454 01	2.1507790 01
1.8000005 02	1.4503659 00	2.0892409 01	2.2342775 01
1.8100005 02	1.7170378 00	2.5320457 01	2.7037495 01
1.8200005 02	2.2940912 00	3.4649915 01	3.6944006 01
1.8300005 02	3.4226346 00	5.4009787 01	5.7432421 01
1.8400005 02	5.8818409 00	9.9261173 01	1.0514301 02
1.8500005 02	1.2737938 01	2.3468088 02	2.4741883 02
1.8600005 02	4.3973023 01	8.9897133 02	9.4294435 02
1.8650005 02	1.0030878 02	2.1632489 03	2.2635577 03
1.8700005 02	1.5458245 02	3.4922023 03	3.6467847 03
1.8750005 02	9.9746498 01	2.3622987 03	2.4620451 03
1.8800005 02	4.3624051 01	1.0926468 03	1.1362709 03
1.8900005 02	1.2564925 01	3.5343871 02	3.6600363 02
1.9000005 02	5.7464067 00	1.8067036 02	1.8641676 02
1.9200005 02	2.1426100 00	8.2667411 01	8.4810020 01
1.9400005 02	1.1400108 00	5.2440991 01	5.3581002 01
1.9600005 02	7.2933091-01	3.8721043 01	3.9450372 01
1.9800005 02	5.2514266-01	3.1084488 01	3.1609630 01
2.0000005 02	4.1251584-01	2.6248073 01	2.6660588 01
2.0200005 02	3.4805092-01	2.2890956 01	2.3239007 01
2.0400005 02	3.1324790-01	2.0389938 01	2.0703185 01
2.0500005 02	3.0432227-01	1.9351268 01	1.9655590 01
2.0600005 02	3.0050995-01	1.8416550 01	1.8717059 01

TABLE I (Continued) T = 0.0253 ev

E_n(ev)	σ_γ(barns)	σ_S(barns)	σ_T(barns)
2.0800005 02	3.0881816-01	1.6785621 01	1.7094440 01
2.1000005 02	3.4398939-01	1.5397928 01	1.5741918 01
2.1100005 02	3.7659454-01	1.4786122 01	1.5162716 01
2.1200005 02	4.2480939-01	1.4239528 01	1.4664337 01
2.1300005 02	4.9701874-01	1.3785473 01	1.4282492 01
2.1400005 02	6.0991551-01	1.3484920 01	1.4094834 01
2.1500005 02	8.0564896-01	1.3469007 01	1.4274656 01
2.1550005 02	9.7749117-01	1.3643736 01	1.4621227 01
2.1600005 02	1.3470760 00	1.3995438 01	1.5342514 01
2.1630005 02	2.8063480 00	1.4397255 01	1.7203603 01
2.1650005 02	8.5854775 00	1.5345905 01	2.3931382 01
2.1670005 02	2.4588149 01	1.8106778 01	4.2694926 01
2.1680005 02	3.5194601 01	2.0201348 01	5.5395949 01
2.1690005 02	4.3852139 01	2.2280892 01	6.6133031 01
2.1700005 02	4.7243522 01	2.3765830 01	7.1009352 01
2.1710005 02	4.3945549 01	2.4273373 01	6.8218922 01
2.1720005 02	3.5405995 01	2.3859077 01	5.9265073 01
2.1730005 02	2.4949185 01	2.2956767 01	4.7905952 01
2.1750005 02	9.2808230 00	2.1586936 01	3.0867760 01
2.1770005 02	3.8267503 00	2.1914830 01	2.5741581 01
2.1800005 02	2.9041966 00	2.4504251 01	2.7408447 01
2.1850005 02	3.7690224 00	3.2874355 01	3.6643377 01
2.1900005 02	5.7327661 00	5.0466115 01	5.6198881 01
2.1950005 02	1.0190235 01	9.3401512 01	1.0359174 02
2.2000005 02	2.3739519 01	2.3573151 02	2.5947103 02
2.2050005 02	8.2739263 01	9.1372654 02	9.9646580 02
2.2100005 02	1.7374476 02	2.0804217 03	2.2541664 03
2.2150005 02	8.2420545 01	1.0782887 03	1.1607092 03
2.2200005 02	2.3606145 01	3.5506781 02	3.7867395 02
2.2300005 02	5.6188660 00	1.1194833 02	1.1756719 02
2.2400005 02	2.5266596 00	6.4531182 01	6.7057842 01
2.2500005 02	1.4643103 00	4.6415598 01	4.7879908 01
2.2700005 02	7.1437785-01	3.1774895 01	3.2489273 01
2.3000005 02	3.9075368-01	2.3723864 01	2.4114617 01
2.3200005 02	3.1302208-01	2.1045100 01	2.1358122 01
2.3400005 02	2.7709811-01	1.9230020 01	1.9507118 01
2.3500005 02	2.6910083-01	1.8522052 01	1.8791152 01
2.3600005 02	2.6644659-01	1.7912705 01	1.8179152 01
2.3800005 02	2.7621651-01	1.6939439 01	1.7215655 01
2.4000005 02	3.0858475-01	1.6276578 01	1.6585163 01
2.4200005 02	3.7391274-01	1.6016768 01	1.6390681 01
2.4400005 02	4.9900173-01	1.6504089 01	1.7003090 01
2.4500005 02	6.0292852-01	1.7305214 01	1.7908142 01
2.4600005 02	7.5646977-01	1.8826580 01	1.9583050 01
2.4700005 02	9.9481041-01	2.1659226 01	2.2654037 01
2.4800005 02	1.3914325 00	2.7098453 01	2.8489886 01
2.4900005 02	2.1213729 00	3.8377464 01	4.0498836 01
2.5000005 02	3.6901640 00	6.5279481 01	6.8969644 01
2.5100005 02	8.0885753 00	1.4826315 02	1.5635172 02
2.5150005 02	1.3989328 01	2.6666813 02	2.8065746 02
2.5200005 02	2.8616646 01	5.7457951 02	6.0319616 02
2.5230005 02	4.7030088 01	9.7762179 02	1.0246519 03
2.5250005 02	6.4277957 01	1.3667763 03	1.4310543 03
2.5270005 02	8.2176323 01	1.7853421 03	1.8675185 03
2.5280005 02	8.9341435 01	1.9612280 03	2.0505694 03
2.5290005 02	9.4077198 01	2.0864127 03	2.1804899 03
2.5300005 02	9.5705902 01	2.1443465 03	2.2400523 03
2.5310005 02	9.3982432 01	2.1277055 03	2.2216879 03
2.5320005 02	8.9166303 01	2.0403885 03	2.1295548 03
2.5330005 02	8.1944959 01	1.8962243 03	1.9781692 03
2.5350005 02	6.4010554 01	1.5176737 03	1.5816842 03
2.5370005 02	4.6795243 01	1.1402367 03	1.1870320 03
2.5400005 02	2.8450344 01	7.2570722 02	7.5415756 02

TABLE I (Continued) T = 0.0253 ev

E_n(ev)	σ_γ(barns)	σ_S(barns)	σ_T(barns)
2.5450005 02	1.3886058 01	3.8439987 02	3.9828592 02
2.5500005 02	8.0119396 00	2.4094728 02	2.4895922 02
2.5600005 02	3.6350885 00	1.2879653 02	1.3243162 02
2.5700005 02	2.0742833 00	8.6126303 01	8.8200585 01

TABLE II

W CROSS SECTIONS

W Temperature = 0.05 ev

Neutron Energy, E_n(ev)	Radiative Capture Cross Section, σ_γ(barns)	Scattering Cross Section, σ_S(barns)	Total Cross Section, σ_T(barns)
2.5300000-02	1.7372547 01	5.6290658 00	2.3001612 01
5.0000009-02	1.2398117 01	5.6112314 00	1.8009349 01
1.0000005-01	8.8255319 00	5.5976662 00	1.4423198 01
2.0000005-01	6.3264102 00	5.5818695 00	1.1908280 01
3.0000007-01	5.2387800 00	5.5684618 00	1.0807242 01
5.0000005-01	4.1798968 00	5.5425862 00	9.7224829 00
7.0000005-01	3.6468288 00	5.5164127 00	9.1632415 00
1.0000005 00	3.2165220 00	5.4754161 00	8.6919380 00
1.2000005 00	3.0542800 00	5.4464334 00	8.5007134 00
1.4000005 00	2.9539551 00	5.4156998 00	8.3696549 00
1.5000005 00	2.9224030 00	5.3995341 00	8.3219371 00
1.6000005 00	2.9019522 00	5.3827438 00	8.2846960 00
1.7000005 00	2.8921397 00	5.3652424 00	8.2573822 00
1.8000005 00	2.8928512 00	5.3469366 00	8.2397877 00
1.9000005 00	2.9043054 00	5.3277111 00	8.2320165 00
2.0000005 00	2.9270640 00	5.3074331 00	8.2344970 00
2.1000005 00	2.9620710 00	5.2859414 00	8.2480124 00
2.2000005 00	3.0107177 00	5.2630471 00	8.2737649 00
2.3000005 00	3.0749532 00	5.2385201 00	8.3134732 00
2.4000005 00	3.1574453 00	5.2120810 00	8.3695263 00
2.5000005 00	3.2618224 00	5.1833888 00	8.4452111 00
2.6000005 00	3.3930336 00	5.1520171 00	8.5450507 00
2.7000005 00	3.5578978 00	5.1174364 00	8.6753341 00
2.8000005 00	3.7659494 00	5.0789721 00	8.8449215 00
2.9000005 00	4.0307907 00	5.0357634 00	9.0665542 00
3.0000005 00	4.3723146 00	4.9866841 00	9.3589986 00
3.1000005 00	4.8205053 00	4.9302443 00	9.7507496 00
3.2000005 00	5.4222492 00	4.8644411 00	1.0286690 01
3.3000005 00	6.2542173 00	4.7865332 00	1.1040751 01
3.4000005 00	7.4489779 00	4.6927167 00	1.2141695 01
3.5000005 00	9.2525715 00	4.5777002 00	1.3830272 01
3.6000005 00	1.2166336 01	4.4343716 00	1.6600708 01
3.7000005 00	1.7353089 01	4.2550004 00	2.1608089 01
3.8000005 00	2.8091601 01	4.0437580 00	3.2135359 01
3.9000005 00	5.7485855 01	3.9330688 00	6.1418923 01
3.9500005 00	9.9719090 01	4.2905006 00	1.0400959 02
4.0000005 00	2.3503728 02	6.8894539 00	2.4192673 02
4.0500005 00	7.2757318 02	2.0454003 01	7.4802718 02
4.1000005 00	1.7356033 03	5.4402191 01	1.7900055 03
4.1300005 00	2.1537076 03	7.2603637 01	2.2263113 03
4.1400005 00	2.1812737 03	7.5460419 01	2.2567342 03
4.1500005 00	2.1438068 03	7.6224701 01	2.2200314 03
4.2000005 00	1.2820621 03	5.4828522 01	1.3368907 03
4.2500005 00	4.5328974 02	2.7549297 01	4.8083903 02
4.3000005 00	1.5602628 02	1.5851667 01	1.7187795 02
4.4000005 00	4.5914973 01	1.0139770 01	5.6054742 01
4.5000005 00	2.3356650 01	8.5126593 00	3.1869309 01
4.6000004 00	1.4618624 01	7.7359319 00	2.2354556 01
4.7000005 00	1.0302629 01	7.2825455 00	1.7585174 01
4.8000005 00	7.8576865 00	6.9864745 00	1.4844161 01
5.0000005 00	5.3446199 00	6.6253287 00	1.1969948 01
5.2000004 00	4.1634897 00	6.4156706 00	1.0579160 01
5.5000005 00	3.3363264 00	6.2310282 00	9.5673546 00
5.7000005 00	3.0764640 00	6.1542878 00	9.2307517 00
5.8000005 00	2.9983657 00	6.1247272 00	9.1230928 00
5.9000005 00	2.9475850 00	6.0997126 00	9.0472976 00
6.0000005 00	2.9213020 00	6.0785255 00	8.9998274 00
6.1000005 00	2.9183367 00	6.0605959 00	8.9789326 00
6.2000005 00	2.9390680 00	6.0454651 00	8.9845331 00
6.3000005 00	2.9855828 00	6.0327653 00	9.0183481 00
6.5000005 00	3.1759143 00	6.0135682 00	9.1894824 00
6.7000005 00	3.5705415 00	6.0018037 00	9.5723451 00
6.8000005 00	3.9040982 00	5.9991272 00	9.9032254 00
6.9000005 00	4.3987564 00	5.9998323 00	1.0398589 01

TABLE II (Continued) T = 0.05 ev

E_n(ev)	σ_γ(barns)	σ_S(barns)	σ_T(barns)
7.0000005 00	5.1683423 00	6.0067595 00	1.1175102 01
7.1000004 00	6.4557288 00	6.0274193 00	1.2483148 01
7.2000005 00	8.8658745 00	6.0841471 00	1.4950022 01
7.3000005 00	1.4359611 01	6.2622765 00	2.0621887 01
7.4000004 00	3.4698749 01	7.1814518 00	4.1880200 01
7.4500005 00	7.4327207 01	9.3408804 00	8.3668087 01
7.5000005 00	1.7916617 02	1.5589083 01	1.9475525 02
7.5500005 00	3.6795289 02	2.7596970 01	3.9554986 02
7.5800005 00	4.8215125 02	3.5341499 01	5.1749275 02
7.6000005 00	5.3255564 02	3.9080330 01	5.7163597 02
7.6100005 00	5.4570171 02	4.0228020 01	5.8592973 02
7.6200005 00	5.4969579 02	4.0809983 01	5.9050578 02
7.6300005 00	5.4432555 02	4.0800972 01	5.8512652 02
7.6500005 00	5.0726314 02	3.9075104 01	5.4633824 02
7.6700005 00	4.4252724 02	3.5477204 01	4.7800444 02
7.7000004 00	3.2153405 02	2.8253506 01	3.4978756 02
7.7500005 00	1.4887228 02	1.7329073 01	1.6620135 02
7.8000005 00	6.2157184 01	1.1495255 01	7.3652439 01
7.9000005 00	1.8548284 01	8.2457307 00	2.6794015 01
8.0000005 00	1.0167990 01	7.5088548 00	1.7676844 01
8.1000004 00	7.0051995 00	7.2089675 00	1.4214167 01
8.3000005 00	4.5493114 00	6.9801493 00	1.1529461 01
8.5000005 00	3.6367615 00	6.9245145 00	1.0561276 01
8.7000003 00	3.2167554 00	6.9389277 00	1.0155683 01
8.9000005 00	3.0048575 00	6.9926095 00	9.9974671 00
9.0000005 00	2.9417413 00	7.0301739 00	9.9719152 00
9.1000004 00	2.8976170 00	7.0738005 00	9.9714175 00
9.2000003 00	2.8680942 00	7.1230218 00	9.9911160 00
9.3000003 00	2.8500759 00	7.1775364 00	1.0027612 01
9.5000005 00	2.8402206 00	7.3018284 00	1.0142049 01
9.7000003 00	2.8563376 00	7.4462191 00	1.0302557 01
1.0000005 01	2.9155775 00	7.7016449 00	1.0617222 01
1.0500005 01	3.0835759 00	8.2423538 00	1.1325930 01
1.1000005 01	3.3242128 00	8.9568284 00	1.2281041 01
1.1500005 01	3.6382645 00	9.8961527 00	1.3534417 01
1.2000005 01	4.0375618 00	1.1134915 01	1.5172477 01
1.3000005 01	5.1903069 00	1.4999181 01	2.0189488 01
1.4000005 01	7.1398212 00	2.2274471 01	2.9414292 01
1.5000005 01	1.0785032 01	3.7411944 01	4.8196976 01
1.6000005 01	1.8869412 01	7.4643284 01	9.3512696 01
1.6500005 01	2.7283700 01	1.1612864 02	1.4341234 02
1.7000005 01	4.3490651 01	1.9995419 02	2.4344483 02
1.7500005 01	8.1489925 01	4.0592687 02	4.8741679 02
1.8000005 01	2.1081430 02	1.1402752 03	1.3510895 03
1.8200005 01	3.7186262 02	2.0799748 03	2.4518374 03
1.8400005 01	8.1568245 02	4.7201553 03	5.5358378 03
1.8500005 01	1.3416441 03	7.8931278 03	9.2347718 03
1.8600005 01	2.2381406 03	1.3363268 04	1.5601408 04
1.8700005 01	3.3223960 03	2.0081257 04	2.3403652 04
1.8800005 01	3.8411633 03	2.3460737 04	2.7301901 04
1.8900005 01	3.2851968 03	2.0271029 04	2.3556225 04
1.9000005 01	2.1976108 03	1.3715129 04	1.5912740 04
1.9100005 01	1.3136286 03	8.3046066 03	9.6182351 03
1.9200005 01	7.9731386 02	5.1082377 03	5.9055515 03
1.9300005 01	5.1915214 02	3.3676444 03	3.8867965 03
1.9500005 01	2.6752468 02	1.7692616 03	2.0367863 03
1.9700005 01	1.6446604 02	1.0971838 03	1.2616498 03
1.9800005 01	1.3510680 02	8.9988815 02	1.0349950 03
2.0000005 01	9.8437914 01	6.4136762 02	7.3980552 02
2.0200005 01	7.9363222 01	4.8507370 02	5.6443693 02
2.0300005 01	7.4528988 01	4.2980037 02	5.0432936 02
2.0400005 01	7.2767625 01	3.8552152 02	4.5828914 02
2.0500005 01	7.4777884 01	3.5065964 02	4.2543753 02

TABLE II (Continued) T = 0.05 ev

E_n(ev)	σ_γ(barns)	σ_S(barns)	σ_T(barns)
2.0600005 01	8.2510341 01	3.2506077 02	4.0757112 02
2.0700005 01	1.0137786 02	3.1146019 02	4.1283804 02
2.0800005 01	1.5140716 02	3.2391964 02	4.7532680 02
2.0900005 01	3.2700497 02	4.3513709 02	7.6214206 02
2.1000005 01	9.4038488 02	8.9580850 02	1.8361934 03
2.1100005 01	2.1883002 03	1.8842751 03	4.0725753 03
2.1150005 01	2.7515894 03	2.3465733 03	5.0981626 03
2.1200005 01	2.9687255 03	2.5407829 03	5.5095084 03
2.1250005 01	2.7373830 03	2.3770632 03	5.1144462 03
2.1300005 01	2.1673460 03	1.9350785 03	4.1024245 03
2.1400005 01	9.2489205 02	9.3875847 02	1.8636505 03
2.1500005 01	3.1410163 02	4.2919674 02	7.4329837 02
2.1700005 01	8.0202537 01	2.1055304 02	2.9075557 02
2.2000005 01	3.4867011 01	1.4791631 02	1.8278332 02
2.2500005 01	1.7331168 01	1.0752078 02	1.2485195 02
2.3000005 01	1.1353066 01	8.5964576 01	9.7317640 01
2.3500005 01	8.3761049 00	7.1883856 01	8.0259961 01
2.4000005 01	6.6563577 00	6.1914652 01	6.8571008 01
2.4500005 01	5.6404490 00	5.4564058 01	6.0204506 01
2.5000005 01	5.1620874 00	4.9095045 01	5.4257133 01
2.5500005 01	5.3486507 00	4.5293693 01	5.0642343 01
2.6000005 01	7.1269931 00	4.4004614 01	5.1131607 01
2.6500005 01	1.8207366 01	5.4499895 01	7.2707260 01
2.6800005 01	1.1375405 02	1.7495390 02	2.8870795 02
2.6900005 01	2.8260606 02	3.9430240 02	6.7690846 02
2.7000004 01	5.4623267 02	7.4074462 02	1.2869773 03
2.7100005 01	6.8923291 02	9.3361751 02	1.6228504 03
2.7200005 01	5.4255180 02	7.4714546 02	1.2896973 03
2.7300005 01	2.7995301 02	4.0453364 02	6.8448665 02
2.7500005 01	4.7979751 01	9.7189822 01	1.4516958 02
2.8000005 01	7.9769269 00	4.0422124 01	4.8399051 01
2.8500005 01	4.0073508 00	3.3095308 01	3.7102658 01
2.9000005 01	2.6985074 00	2.9806969 01	3.2505477 01
3.0000005 01	1.7003701 00	2.6102926 01	2.7803296 01
3.1000005 01	1.2788829 00	2.3726911 01	2.5005793 01
3.2000005 01	1.0400584 00	2.1952383 01	2.2992441 01
3.3000005 01	8.8550879-01	2.0543836 01	2.1429344 01
3.4000005 01	7.7924446-01	1.9388680 01	2.0167924 01
3.5000005 01	7.0507025-01	1.8422083 01	1.9127153 01
3.6000005 01	6.5508967-01	1.7603591 01	1.8258680 01
3.7000005 01	6.2599218-01	1.6908251 01	1.7534243 01
3.8000005 01	6.1835807-01	1.6323817 01	1.6942175 01
3.8500005 01	6.2441520-01	1.6073239 01	1.6697654 01
3.9000005 01	6.4003098-01	1.5853128 01	1.6493158 01
3.9500004 01	6.7264603-01	1.5668840 01	1.6341486 01
4.0000005 01	7.5999909-01	1.5534371 01	1.6294370 01
4.0300005 01	1.0704641 00	1.5505430 01	1.6575894 01
4.0500005 01	1.8451149 00	1.5596320 01	1.9441435 01
4.0600004 01	8.5484762 00	1.5709477 01	2.4257952 01
4.0700005 01	1.4699068 01	1.5790201 01	3.0489269 01
4.0800005 01	1.7716412 01	1.5723480 01	3.3439892 01
4.0900005 01	1.4658582 01	1.5520579 01	3.0179161 01
4.1000005 01	8.5434992 00	1.5328684 01	2.3872183 01
4.1100005 01	3.8991286 00	1.5241203 01	1.9140331 01
4.1300005 01	1.1789977 00	1.5251462 01	1.6430460 01
4.1400005 01	1.0065946 00	1.5274767 01	1.6281361 01
4.1500005 01	9.5397020-01	1.5299074 01	1.6253044 01
4.1600005 01	9.3627207-01	1.5325533 01	1.6261805 01
4.1800005 01	9.3830470-01	1.5389687 01	1.6327992 01
4.2000005 01	9.6459576-01	1.5474681 01	1.6439277 01
4.2500005 01	1.0897901 00	1.5820018 01	1.6909808 01
4.3000005 01	1.2963745 00	1.6460038 01	1.7756412 01

TABLE II (Continued) T = 0.05 ev

E_n(ev)	σ_γ(barns)	σ_S(barns)	σ_T(barns)
4.3300005 01	1.4736431 00	1.7071518 01	1.8545161 01
4.3500005 01	1.6231065 00	1.7619558 01	1.9242664 01
4.4000005 01	2.1645435 00	1.9769789 01	2.1934332 01
4.4500005 01	3.1461744 00	2.4040685 01	2.7186859 01
4.5000005 01	5.2082731 00	3.3712381 01	3.8920653 01
4.5500005 01	1.0851101 01	6.1896707 01	7.2747808 01
4.6000005 01	3.9903727 01	2.1515007 02	2.5505379 02
4.6300005 01	1.5591040 02	8.4589488 02	1.0018053 03
4.6500005 01	3.0808405 02	1.6868224 03	1.9949064 03
4.6600005 01	3.3842192 02	1.8611724 03	2.1995943 03
4.6700005 01	3.0687470 02	1.6956477 03	2.0025224 03
4.6800005 01	2.3312990 02	1.2950837 03	1.5282136 03
4.6900005 01	1.5495351 02	8.6604552 02	1.0209990 03
4.7000005 01	9.6515732 01	5.4256077 02	6.3907650 02
4.7200004 01	4.0752787 01	2.2790097 02	2.6865375 02
4.7300005 01	2.9615164 01	1.6136977 02	1.9098493 02
4.7400005 01	2.3367959 01	1.1986101 02	1.4322897 02
4.7500005 01	2.0436166 01	9.1745723 01	1.1218189 02
4.7600005 01	2.1637911 01	7.1712330 01	9.3350241 01
4.7700005 01	3.2080966 01	5.9440960 01	9.1521926 01
4.7800005 01	6.2410415 01	6.0877274 01	1.2328769 02
4.7900005 01	1.1959623 02	8.5119044 01	2.0471527 02
4.8000005 01	1.8525254 02	1.2933029 02	3.1458283 02
4.8100005 01	2.1490305 02	1.6738079 02	3.8228383 02
4.8200005 01	1.8307835 02	1.7083059 02	3.5390894 02
4.8300005 01	1.1588353 02	1.4108520 02	2.5696873 02
4.8500005 01	2.5132550 01	7.5633437 01	1.0076599 02
4.8700005 01	7.4231211 00	5.1339931 01	5.8763052 01
4.9000005 01	3.7948567 00	3.9194698 01	4.2989555 01
4.9500005 01	2.1770747 00	3.0376928 01	3.2554003 01
5.0000005 01	1.5076144 00	2.5808976 01	2.7316590 01
5.1000005 01	9.0613416-01	2.1054978 01	2.1961113 01
5.2000004 01	6.3628824-01	1.8601766 01	1.9238054 01
5.3000005 01	4.8851732-01	1.7098524 01	1.7587042 01
5.5000005 01	3.3721609-01	1.5321943 01	1.5659159 01
5.7000005 01	2.6338851-01	1.4269831 01	1.4533219 01
5.9000005 01	2.2118653-01	1.3543255 01	1.3764442 01
6.0000005 01	2.0666727-01	1.3250266 01	1.3456934 01
6.1000005 01	1.9533143-01	1.2988879 01	1.3184211 01
6.2000005 01	1.8705172-01	1.2750863 01	1.2937915 01
6.2500005 01	1.8432868-01	1.2638148 01	1.2822476 01
6.3000005 01	1.8306507-01	1.2528005 01	1.2711070 01
6.4000005 01	1.9135017-01	1.2305960 01	1.2497311 01
6.4500004 01	2.1598491-01	1.2181087 01	1.2397071 01
6.5000005 01	3.7788882-01	1.2003324 01	1.2381212 01
6.5200004 01	1.1822600 00	1.1892050 01	1.3074310 01
6.5400005 01	5.9484411 00	1.1918928 01	1.7867369 01
6.5500005 01	1.0786704 01	1.2140660 01	2.2927364 01
6.5600003 01	1.5581517 01	1.2515802 01	2.8097319 01
6.5700005 01	1.7620524 01	1.2894924 01	3.0515448 01
6.5800005 01	1.5536473 01	1.3083861 01	2.8620333 01
6.5900004 01	1.0735929 01	1.3017009 01	2.3752939 01
6.6000005 01	5.9207422 00	1.2795300 01	1.8716042 01
6.6200005 01	1.1795431 00	1.2388262 01	1.3567804 01
6.6500005 01	2.9132539-01	1.2154668 01	1.2445993 01
6.7000005 01	1.9341961-01	1.1997796 01	1.2191216 01
6.8000005 01	1.5838184-01	1.1800962 01	1.1959343 01
7.0000005 01	1.4195975-01	1.1498302 01	1.1640262 01
7.2000005 01	1.3481691-01	1.1235487 01	1.1370304 01
7.4000005 01	1.3028217-01	1.0993439 01	1.1123721 01
7.6000005 01	1.2728528-01	1.0764774 01	1.0892059 01
7.8000005 01	1.2550587-01	1.0544788 01	1.0670294 01
8.0000005 01	1.2485267-01	1.0329790 01	1.0454642 01

TABLE II (Continued) T = 0.05 ev

E_n(ev)	σ_γ(barns)	σ_S(barns)	σ_T(barns)
8.2000005 01	1.2536466-01	1.0116504 01	1.0241869 01
8.4000005 01	1.2720513-01	9.9017271 00	1.0028932 01
8.6000005 01	1.3070547-01	9.6820322 00	9.8127376 00
8.8000005 01	1.3647761-01	9.4534750 00	9.5899526 00
9.0000005 01	1.4567399-01	9.2112142 00	9.3568882 00
9.2000005 01	1.6063994-01	8.9491005 00	9.1097404 00
9.4000005 01	1.8681303-01	8.6598631 00	8.8466761 00
9.5000005 01	2.0805112-01	8.5034064 00	8.7114575 00
9.6000005 01	2.3964926-01	8.3404657 00	8.5801149 00
9.7000005 01	2.9033197-01	8.1785799 00	8.4689118 00
9.8000005 01	3.8102694-01	8.0461929 00	8.4272197 00
9.9000005 01	5.7357920-01	8.0581286 00	8.6317078 00
1.0000005 02	1.1289648 00	8.8338937 00	9.9628585 00
1.0050005 02	1.9461152 00	1.0627988 01	1.2574103 01
1.0100005 02	4.7082320 00	1.8356740 01	2.3064971 01
1.0120005 02	8.5698665 00	3.0721999 01	3.9291865 01
1.0150005 02	3.2341124 01	1.1450758 02	1.4684871 02
1.0170005 02	7.5165097 01	2.7316682 02	3.4833192 02
1.0180005 02	1.0100825 02	3.7197119 02	4.7297944 02
1.0190005 02	1.2131741 02	4.5263985 02	5.7395727 02
1.0200005 02	1.2899125 02	4.8790294 02	6.1689419 02
1.0210005 02	1.2107030 02	4.6509672 02	5.8616703 02
1.0220005 02	1.0063467 02	3.9405114 02	4.9468580 02
1.0230005 02	7.4813793 01	3.0049413 02	3.7530792 02
1.0250005 02	3.2206077 01	1.4110115 02	1.7330723 02
1.0280005 02	8.5512291 00	4.8349940 01	5.6901169 01
1.0300005 02	4.6989196 00	3.1997566 01	3.6696486 01
1.0350005 02	1.9587511 00	1.9226373 01	2.1185124 01
1.0400005 02	1.1606928 00	1.4981447 01	1.6142140 01
1.0500005 02	6.3991335-01	1.1673256 01	1.2313169 01
1.0600005 02	4.8371919-01	1.0273150 01	1.0756869 01
1.0700005 02	4.3573722-01	9.4702191 00	9.9059561 00
1.0800005 02	4.3889393-01	8.9298810 00	9.3687749 00
1.0900005 02	4.7929376-01	8.5418140 00	9.0211077 00
1.1000005 02	5.6016119-01	8.2813663 00	8.8415274 00
1.1100005 02	6.9976015-01	8.1894810 00	8.8892411 00
1.1200005 02	9.4285450-01	8.4175095 00	9.3603640 00
1.1300005 02	1.4014166 00	9.4123333 00	1.0813750 01
1.1400005 02	2.4108200 00	1.2684464 01	1.5095284 01
1.1500005 02	5.3953881 00	2.5384824 01	3.0780212 01
1.1550005 02	9.8446469 00	4.7295774 01	5.7140422 01
1.1580005 02	1.6142613 01	8.0789441 01	9.6932053 01
1.1600005 02	2.4969434 01	1.3020150 02	1.5517093 02
1.1620005 02	4.4414455 01	2.4396778 02	2.8838224 02
1.1640005 02	9.0750822 01	5.2569662 02	6.1644744 02
1.1650005 02	1.3129569 02	7.7778596 02	9.0908164 02
1.1660005 02	1.8489981 02	1.1160285 03	1.3009283 03
1.1670005 02	2.4725830 02	1.5157819 03	1.7630402 03
1.1680005 02	3.0805815 02	1.9136391 03	2.2216972 03
1.1690005 02	3.5303363 02	2.2190778 03	2.5721114 03
1.1700005 02	3.6948555 02	2.3487576 03	2.7182431 03
1.1710005 02	3.5238273 02	2.2659322 03	2.6183150 03
1.1720005 02	3.0699631 02	1.9991162 03	2.3061125 03
1.1730005 02	2.4611881 02	1.6264312 03	1.8725501 03
1.1740005 02	1.8392963 02	1.2375118 03	1.4214413 03
1.1750005 02	1.3059042 02	8.9860025 02	1.0291907 03
1.1760005 02	9.0278674 01	6.3874802 02	7.2902669 02
1.1780005 02	4.4177306 01	3.3525028 02	3.7942758 02
1.1800005 02	2.4795936 01	2.0321498 02	2.2801091 02
1.1820005 02	1.5994988 01	1.4102802 02	1.5702301 02
1.1850005 02	9.7235218 00	9.4945964 01	1.0466949 02
1.1900005 02	5.3014040 00	6.0694976 01	6.5996380 01
1.2000005 02	2.3417527 00	3.5771162 01	3.8112914 01

TABLE II (Continued) T = 0.05 ev

E_n(ev)	σ_γ(barns)	σ_S(barns)	σ_T(barns)
1.2100005 02	1.3417545 00	2.6334741 01	2.7676496 01
1.2200005 02	8.8546461-01	2.1555717 01	2.2441181 01
1.2300005 02	6.3970679-01	1.8713244 01	1.9352951 01
1.2500005 02	3.9774127-01	1.5508286 01	1.5906027 01
1.2700005 02	2.8787031-01	1.3733333 01	1.4021203 01
1.2900005 02	2.3048651-01	1.2578789 01	1.2809276 01
1.3000005 02	2.1241366-01	1.2130976 01	1.2343389 01
1.3100005 02	1.9928382-01	1.1740079 01	1.1939363 01
1.3200005 02	1.9057268-01	1.1391557 01	1.1582130 01
1.3300005 02	1.8712926-01	1.1073555 01	1.1260684 01
1.3400005 02	1.9515286-01	1.0773134 01	1.0968287 01
1.3450005 02	2.1416659-01	1.0621939 01	1.0836105 01
1.3500005 02	3.1178484-01	1.0458613 01	1.0770397 01
1.3520005 02	6.0507502-01	1.0402123 01	1.1007198 01
1.3550005 02	3.4341738 00	1.0569042 01	1.4003216 01
1.3570005 02	8.7104208 00	1.1148393 01	1.9858814 01
1.3580005 02	1.1791299 01	1.1553402 01	2.3344701 01
1.3590005 02	1.4164407 01	1.1919886 01	2.6084294 01
1.3600005 02	1.5054310 01	1.2136413 01	2.7190723 01
1.3610005 02	1.4142813 01	1.2133448 01	2.6276262 01
1.3620005 02	1.1758507 01	1.1920415 01	2.3678922 01
1.3630005 02	8.6800560 00	1.1575430 01	2.0255486 01
1.3650005 02	3.4252950 00	1.0874057 01	1.4299351 01
1.3680005 02	6.0553013-01	1.0358398 01	1.0963928 01
1.3700005 02	3.1056115-01	1.0234886 01	1.0545447 01
1.3750005 02	2.1197365-01	1.0063579 01	1.0275552 01
1.3800005 02	1.9275248-01	9.9302992 00	1.0123051 01
1.3900005 02	1.8518390-01	9.6946256 00	9.8798095 00
1.4000005 02	1.9151385-01	9.4770457 00	9.6685595 00
1.4100005 02	2.0856398-01	9.2714352 00	9.4799991 00
1.4200005 02	2.4315688-01	9.0823803 00	9.3255371 00
1.4300005 02	3.1972786-01	8.9381350 00	9.2578628 00
1.4400005 02	5.4592224-01	8.9955801 00	9.5415023 00
1.4450005 02	8.9173796-01	9.3938296 00	1.0285568 01
1.4500005 02	2.3524195 00	1.1851565 01	1.4203985 01
1.4520005 02	5.1641955 00	1.7294141 01	2.2458336 01
1.4550005 02	2.2288043 01	5.2350510 01	7.4638553 01
1.4570005 02	4.7536803 01	1.0538340 02	1.5292021 02
1.4580005 02	6.0997509 01	1.3415596 02	1.9515347 02
1.4590005 02	7.0989658 01	1.5600084 02	2.2699050 02
1.4600005 02	7.4662250 01	1.6479946 02	2.3946171 02
1.4610008 02	7.0887793 01	1.5796429 02	2.2885209 02
1.4620005 02	6.0839654 01	1.3773747 02	1.9857713 02
1.4630005 02	4.7377577 01	1.0999096 02	1.5736854 02
1.4650005 02	2.2221730 01	5.7213825 01	7.9435555 01
1.4680005 02	5.1745750 00	2.0542059 01	2.5716633 01
1.4700005 02	2.3659980 00	1.4185833 01	1.6551831 01
1.4750005 02	9.1415246-01	1.0522931 01	1.1437083 01
1.4800005 02	5.8063487-01	9.4853821 00	1.0066017 01
1.4900005 02	3.8117661-01	8.6233657 00	9.0045423 00
1.5000005 02	3.3853212-01	8.2001216 00	8.5386537 00
1.5100005 02	3.5223654-01	7.9513837 00	8.3036203 00
1.5200005 02	4.1175040-01	7.8740734 00	8.2858237 00
1.5300005 02	5.4300921-01	8.1379486 00	8.6809577 00
1.5400005 02	8.4447764-01	9.3953719 00	1.0239850 01
1.5500005 02	1.7510900 00	1.4848391 01	1.6599481 01
1.5550005 02	3.1257834 00	2.4720408 01	2.7846192 01
1.5600005 02	7.8473203 00	6.3134871 01	7.0982191 01
1.5620005 02	1.3236225 01	1.1009600 02	1.2333221 02
1.5650005 02	3.0638094 01	2.6945211 02	3.0009020 02
1.5670005 02	4.7645340 01	4.3243141 02	4.8007675 02
1.5700005 02	6.2527430 01	5.9128830 02	6.5381573 02
1.5730005 02	4.7469984 01	4.7016725 02	5.1763723 02

TABLE II (Continued) T = 0.05 ev

E_n(ev)	σ_γ(barns)	σ_S(barns)	σ_T(barns)
1.5750005 02	3.0490888 01	3.1535919 02	3.4585008 02
1.5780005 02	1.3173780 01	1.5012689 02	1.6330067 02
1.5800005 02	7.8097043 00	9.6568708 01	1.0437841 02
1.5850005 02	3.1071426 00	4.6877207 01	4.9984349 01
1.5900005 02	1.7414541 00	3.1112276 01	3.2853730 01
1.6000005 02	8.4558410-01	1.9654625 01	2.0500209 01
1.6200005 02	4.2082964-01	1.2931143 01	1.3351972 01
1.6400005 02	3.2444141-01	1.0498323 01	1.0822764 01
1.6600005 02	3.0904044-01	9.1271510 00	9.4361914 00
1.6800005 02	3.3722143-01	8.1325256 00	8.4697470 00
1.7000005 02	4.2067462-01	7.2525212 00	7.6731957 00
1.7100005 02	5.0667837-01	6.7875053 00	7.2941837 00
1.7200005 02	6.7214558-01	6.2424857 00	6.9146312 00
1.7300005 02	1.1040602 00	5.5129272 00	6.6169873 00
1.7350005 02	1.7299765 00	5.0616212 00	6.7915976 00
1.7400005 02	5.0333330 00	6.0582233 00	1.1091556 01
1.7420005 02	1.2813944 01	1.2004348 01	2.4818292 01
1.7450005 02	5.8187879 01	5.4249515 01	1.1243739 02
1.7470005 02	1.1980578 02	1.1669556 02	2.3650134 02
1.7480005 02	1.5032185 02	1.4951630 02	2.9983816 02
1.7490005 02	1.7311085 02	1.7576658 02	3.4887744 02
1.7500005 02	1.8201530 02	1.8895353 02	3.7096883 02
1.7510005 02	1.7302920 02	1.8417377 02	3.5720297 02
1.7520005 02	1.5021779 02	1.6462832 02	3.1484610 02
1.7530005 02	1.1981421 02	1.3627074 02	2.5608495 02
1.7550005 02	5.8706665 01	7.5525858 01	1.3423253 02
1.7580005 02	1.4355013 01	2.8127068 01	4.2482081 01
1.7600005 02	7.9640603 00	2.1378295 01	2.9342355 01
1.7620005 02	9.3615088 00	2.7298166 01	3.6659676 01
1.7650005 02	2.4688664 01	7.3565386 01	9.8254049 01
1.7670005 02	4.3531529 01	1.3457151 02	1.7810304 02
1.7690005 02	5.9119693 01	1.9072038 02	2.4984007 02
1.7700005 02	6.1413255 01	2.0291395 02	2.6432720 02
1.7710005 02	5.8936142 01	2.0008732 02	2.5902345 02
1.7730005 02	4.3038173 01	1.5709485 02	2.0013302 02
1.7750005 02	2.3910782 01	9.8466310 01	1.2237709 02
1.7780005 02	7.6288904 00	4.4260443 01	5.1889332 01
1.7800005 02	4.0101091 00	3.0859884 01	3.4869993 01
1.7850005 02	1.9346121 00	2.1951057 01	2.3885669 01
1.7900005 02	1.5381983 00	2.0136209 01	2.1674407 01
1.8000005 02	1.4575687 00	2.0972953 01	2.2430521 01
1.8100005 02	1.7243015 00	2.5435944 01	2.7160246 01
1.8200005 02	2.3069966 00	3.4883780 01	3.7190777 01
1.8300005 02	3.4529503 00	5.4595767 01	5.8048717 01
1.8400005 02	5.9757512 00	1.0116910 02	1.0714485 02
1.8500005 02	1.3188076 01	2.4429028 02	2.5747835 02
1.8600005 02	4.7461036 01	9.7892949 02	1.0263905 03
1.8650005 02	1.0100194 02	2.1909032 03	2.2919051 03
1.8700005 02	1.4192474 02	3.2070225 03	3.3489472 03
1.8750005 02	1.0043959 02	2.3659403 03	2.4663799 03
1.8800005 02	4.7084266 01	1.1692116 03	1.2162959 03
1.8900005 02	1.3013693 01	3.6407190 02	3.7708559 02
1.9000005 02	5.8400003 00	1.8298170 02	1.8882170 02
1.9200005 02	2.1549515 00	8.2993330 01	8.5148281 01
1.9400005 02	1.1432261 00	5.2530643 01	5.3673869 01
1.9600005 02	7.3050868-01	3.8755204 01	3.9485713 01
1.9800005 02	5.2567636-01	3.1100186 01	3.1625862 01
2.0000005 02	4.1280094-01	2.6256195 01	2.6668996 01
2.0200005 02	3.4822994-01	2.2895445 01	2.3243675 01
2.0400005 02	3.1338591-01	2.0392523 01	2.0705908 01
2.0500005 02	3.0445528-01	1.9353228 01	1.9657683 01
2.0600005 02	3.0064738-01	1.8418041 01	1.8718688 01
2.0800005 02	3.0900041-01	1.6786546 01	1.7095546 01

TABLE II (Continued) T = 0.05 ev

E_n(ev)	σ_γ(barns)	σ_S(barns)	σ_T(barns)
2.1000005 02	3.4430177-01	1.5398794 01	1.5743096 01
2.1100005 02	3.7704234-01	1.4787315 01	1.5164358 01
2.1200005 02	4.2549714-01	1.4241493 01	1.4666991 01
2.1300005 02	4.9817284-01	1.3789157 01	1.4287329 01
2.1400005 02	6.1217688-01	1.3492297 01	1.4104474 01
2.1500005 02	8.1239293-01	1.3484001 01	1.4296394 01
2.1550005 02	1.0005363 00	1.3663943 01	1.4664479 01
2.1600005 02	1.9532256 00	1.4084138 01	1.6037363 01
2.1630005 02	6.2377167 00	1.4944941 01	2.1182657 01
2.1650005 02	1.3814211 01	1.6374518 01	3.0188728 01
2.1670005 02	2.4747307 01	1.8657193 01	4.3404501 01
2.1680005 02	2.9879068 01	1.9931822 01	4.9810889 01
2.1690005 02	3.3508803 01	2.1097165 01	5.4605968 01
2.1700005 02	3.4853231 01	2.2003032 01	5.6856263 01
2.1710005 02	3.3617595 01	2.2559103 01	5.6176699 01
2.1720005 02	3.0108250 01	2.2767491 01	5.2875740 01
2.1730005 02	2.5113711 01	2.2719609 01	4.7833320 01
2.1750005 02	1.4500960 01	2.2444617 01	3.6945576 01
2.1770005 02	7.2757634 00	2.2765334 01	3.0041098 01
2.1800005 02	3.5584450 00	2.5102150 01	2.8660595 01
2.1850005 02	3.8957549 00	3.3929678 01	3.7825432 01
2.1900005 02	6.0160634 00	5.3334935 01	5.9350998 01
2.1950005 02	1.1197809 01	1.0437367 02	1.1557147 02
2.2000005 02	2.8779589 01	2.9473430 02	3.2351388 02
2.2050005 02	8.8873089 01	9.9977113 02	1.0886442 03
2.2100005 02	1.4824593 02	1.7771637 03	1.9254096 03
2.2150005 02	8.8513106 01	1.1376886 03	1.2262017 03
2.2200005 02	2.8629677 01	4.1571770 02	4.4434736 02
2.2300005 02	5.8987137 00	1.1573358 02	1.2163228 02
2.2400005 02	2.5770489 00	6.5268410 01	6.7845458 01
2.2500005 02	1.4798076 00	4.6658315 01	4.8138123 01
2.2700005 02	7.1739978-01	3.1828112 01	3.2545511 01
2.3000005 02	3.9137163-01	2.3736191 01	2.4127562 01
2.3200005 02	3.1332364-01	2.1051247 01	2.1364571 01
2.3400005 02	2.7728704-01	1.9233630 01	1.9510917 01
2.3500005 02	2.6926686-01	1.8524983 01	1.8794250 01
2.3600005 02	2.6660437-01	1.7915240 01	1.8181844 01
2.3800005 02	2.7639546-01	1.6941761 01	1.7218156 01
2.4000005 02	3.0884864-01	1.6279656 01	1.6588505 01
2.4200005 02	3.7438936-01	1.6022528 01	1.6396916 01
2.4400005 02	5.0003659-01	1.6518058 01	1.7018094 01
2.4500005 02	6.0457770-01	1.7328916 01	1.7933494 01
2.4600005 02	7.5927680-01	1.8869611 01	1.9628887 01
2.4700005 02	1.0000074 00	2.1744122 01	2.2744129 01
2.4800005 02	1.4022178 00	2.7285878 01	2.8688096 01
2.4900005 02	2.1477393 00	3.8864085 01	4.1011823 01
2.5000005 02	3.7735686 00	6.6913432 01	7.0686999 01
2.5100005 02	8.5030169 00	1.5691345 02	1.6541647 02
2.5150005 02	1.5163136 01	2.9212315 02	3.0728629 02
2.5200005 02	3.1532204 01	5.4145231 02	6.7298451 02
2.5230005 02	4.9574043 01	1.0418106 03	1.0913846 03
2.5250005 02	6.4057482 01	1.3732552 03	1.4373127 03
2.5270005 02	7.7296513 01	1.6880057 03	1.7653022 03
2.5280005 02	8.2196998 01	1.8110462 03	1.8932432 03
2.5290005 02	8.5326444 01	1.8965728 03	1.9818993 03
2.5300005 02	8.6378113 01	1.9368898 03	2.0232679 03
2.5310005 02	8.5245701 01	1.9286150 03	2.0138607 03
2.5320005 02	8.2044268 01	1.8732920 03	1.9553362 03
2.5330005 02	7.7087621 01	1.7770344 03	1.8541221 03
2.5350005 02	6.3794108 01	1.5015243 03	1.5653184 03
2.5370005 02	4.9322876 01	1.1888698 03	1.2381927 03
2.5400005 02	3.1346917 01	7.8808962 02	8.1943654 02
2.5450005 02	1.5055809 01	4.1105310 02	4.2610891 02

TABLE II (Continued) T = 0.05 ev

E_n(ev)	σ_γ(barns)	σ_S(barns)	σ_T(barns)
2.5500005 02	8.4257284 00	2.5071099 02	2.5913672 02
2.5600005 02	3.7184205 00	1.3086886 02	1.3458728 02
2.5700005 02	2.1006149 00	8.6810430 01	8.8911044 01

TABLE III

W CROSS SECTIONS

W Temperature = 0.1 ev

Neutron Energy, E_n(ev)	Radiative Capture Cross Section, σ_γ(barns)	Scattering Cross Section, σ_S(barns)	Total Cross Section, σ_T(barns)
2.5300000-02	1.7373483 01	5.6591716 00	2.3032654 01
5.0000009-02	1.2398795 01	5.6264171 00	1.8025212 01
1.0000005-01	8.8260306 00	5.6052083 00	1.4431239 01
2.0000005-01	6.3267896 00	5.5855898 00	1.1912379 01
3.0000007-01	5.2391138 00	5.5708992 00	1.0810013 01
5.0000005-01	4.1802025 00	5.5439996 00	9.7242021 00
7.0000005-01	3.6471385 00	5.5173844 00	9.1645229 00
1.0000005 00	3.2168735 00	5.4760527 00	8.6929261 00
1.2000005 00	3.0546818 00	5.4469368 00	8.5016186 00
1.4000005 00	2.9544384 00	5.4160985 00	8.3705369 00
1.5000005 00	2.9229408 00	5.3998876 00	8.3228285 00
1.6000005 00	2.9025565 00	5.3830535 00	8.2856100 00
1.7000005 00	2.8928251 00	5.3655133 00	8.2583383 00
1.8000005 00	2.8936360 00	5.3471682 00	8.2408042 00
1.9000005 00	2.9052137 00	5.3279043 00	8.2331180 00
2.0000005 00	2.9281268 00	5.3075854 00	8.2357122 00
2.1000005 00	2.9633287 00	5.2860525 00	8.2493812 00
2.2000005 00	3.0122249 00	5.2631137 00	8.2753385 00
2.3000005 00	3.0767827 00	5.2385363 00	8.3153189 00
2.4000005 00	3.1596975 00	5.2120402 00	8.3717376 00
2.5000005 00	3.2646382 00	5.1832813 00	8.4479195 00
2.6000005 00	3.3966144 00	5.1518316 00	8.5484460 00
2.7000005 00	3.5625386 00	5.1171559 00	8.6796944 00
2.8000005 00	3.7720935 00	5.0785754 00	8.8506688 00
2.9000005 00	4.0391255 00	5.0352172 00	9.0743427 00
3.0000005 00	4.3839446 00	4.9859438 00	9.3698883 00
3.1000005 00	4.8372815 00	4.9292469 00	9.7665284 00
3.2000005 00	5.4474330 00	4.8630949 00	1.0310528 01
3.3000005 00	6.2939242 00	4.7847044 00	1.1078629 01
3.4000005 00	7.5155881 00	4.6902147 00	1.2205803 01
3.5000005 00	9.3738290 00	4.5742739 00	1.3948103 01
3.6000005 00	1.2413550 01	4.4298459 00	1.6843395 01
3.7000005 00	1.7950932 01	4.2503643 00	2.2201296 01
3.8000005 00	3.0048972 01	4.0511389 00	3.4100111 01
3.9000005 00	7.1518868 01	4.2023144 00	7.5721182 01
3.9500005 00	1.5239579 02	5.6821824 00	1.5807797 02
4.0000005 00	3.8852630 02	1.1803253 01	4.0032955 02
4.0500005 00	8.9429512 02	2.7442627 01	9.2173775 02
4.1000005 00	1.4984410 03	4.9326172 01	1.5477672 03
4.1300005 00	1.6866567 03	5.8475785 01	1.7451325 03
4.1400005 00	1.6968410 03	5.9961441 01	1.7568025 03
4.1500005 00	1.6787433 03	6.0535232 01	1.7392786 03
4.2000005 00	1.2455911 03	5.1105027 01	1.2966961 03
4.2500005 00	6.4156804 02	3.2730660 01	6.7429870 02
4.3000005 00	2.6147053 02	1.9420357 01	2.8089089 02
4.4000005 00	5.5094555 01	1.0570006 01	6.5664560 01
4.5000005 00	2.4896015 01	8.6067164 00	3.3502731 01
4.6000004 00	1.5121581 01	7.7721715 00	2.2893753 01
4.7000005 00	1.0518247 01	7.3003193 00	1.7818567 01
4.8000005 00	7.9660016 00	6.9965247 00	1.4962526 01
5.0000005 00	5.3813047 00	6.6295203 00	1.2010825 01
5.2000004 00	4.1795245 00	6.4178685 00	1.0597393 01
5.5000005 00	3.3428313 00	6.2321263 00	9.5749576 00
5.7000005 00	3.0809081 00	6.1550751 00	9.2359832 00
5.8000005 00	3.0023354 00	6.1254122 00	9.1277475 00
5.9000005 00	2.9513461 00	6.1003189 00	9.0516650 00
6.0000005 00	2.9250956 00	6.0790693 00	9.0041648 00
6.1000005 00	2.9224148 00	6.0610894 00	8.9835042 00
6.2000005 00	2.9437318 00	6.0459192 00	8.9896509 00
6.3000005 00	2.9912366 00	6.0331878 00	9.0244243 00
6.5000005 00	3.1856659 00	6.0139657 00	9.1996317 00
6.7000005 00	3.5912528 00	6.0023171 00	9.5935699 00
6.8000005 00	3.9370775 00	5.9998733 00	9.9369508 00

TABLE III (Continued) T = 0.1 ev

E_n(ev)	σ_γ(barns)	σ_S(barns)	σ_T(barns)
6.9000005 00	4.4553700 00	6.0011630 00	1.0456533 01
7.0000005 00	5.2756723 00	6.0096446 00	1.1285317 01
7.1000004 00	6.6910207 00	6.0350136 00	1.2726035 01
7.2000005 00	9.5355537 00	6.1108676 00	1.5646422 01
7.3000005 00	1.7858539 01	6.4423337 00	2.4300873 01
7.4000004 00	5.9661931 01	8.6948018 00	6.8356733 01
7.4500005 00	1.2112276 02	1.2351266 01	1.3347403 02
7.5000005 00	2.3237311 02	1.8685306 01	2.4105842 02
7.5500005 00	3.4011624 02	2.6447815 01	3.6656406 02
7.5800005 00	3.9521127 02	3.0345356 01	4.2555662 02
7.6000005 00	4.1706955 02	3.2075379 01	4.4914493 02
7.6100005 00	4.2245871 02	3.2603188 01	4.5506189 02
7.6200005 00	4.2390762 02	3.2885903 01	4.5679352 02
7.6300005 00	4.2137857 02	3.2917374 01	4.5429595 02
7.6500005 00	4.0483676 02	3.2240414 01	4.3707718 02
7.6700005 00	3.7482971 02	3.0671463 01	4.0550118 02
7.7000004 00	3.1224586 02	2.7088394 01	3.3933425 02
7.7500005 00	1.9536794 02	1.9959718 01	2.1532765 02
7.8000005 00	1.0391767 02	1.4098921 01	1.1801659 02
7.9000005 00	2.6745727 01	8.8192130 00	3.5564939 01
8.0000005 00	1.1418137 01	7.6109899 00	1.9029127 01
8.1000004 00	7.3564505 00	7.2418541 00	1.4598304 01
8.3000005 00	4.6223104 00	6.9888070 00	1.1611117 01
8.5000005 00	3.6615463 00	6.9284506 00	1.0589997 01
8.7000003 00	3.2276521 00	6.9414218 00	1.0169074 01
8.9000005 00	3.0105582 00	6.9945825 00	1.0005141 01
9.0000005 00	2.9460855 00	7.0320289 00	9.9781144 00
9.1000004 00	2.9010307 00	7.0755922 00	9.9766228 00
9.2000003 00	2.8708546 00	7.1247871 00	9.9956418 00
9.3000003 00	2.8523689 00	7.1793047 00	1.0031674 01
9.5000005 00	2.8419257 00	7.3036622 00	1.0145588 01
9.7000003 00	2.8577234 00	7.4481753 00	1.0305898 01
1.0000005 01	2.9167405 00	7.7038697 00	1.0620610 01
1.0500005 01	3.0846898 00	8.2452310 00	1.1329921 01
1.1000005 01	3.3254751 00	8.9606604 00	1.2286135 01
1.1500005 01	3.6398178 00	9.9013635 00	1.3541181 01
1.2000005 01	4.0395645 00	1.1142143 01	1.5181707 01
1.3000005 01	5.1939843 00	1.5014032 01	2.0208016 01
1.4000005 01	7.1475449 00	2.2308699 01	2.9456243 01
1.5000005 01	1.0804500 01	3.7505645 01	4.8310145 01
1.6000005 01	1.8935107 01	7.4983959 01	9.3919065 01
1.6500005 01	2.7428004 01	1.1690338 02	1.4433139 02
1.7000005 01	4.3876504 01	2.0209614 02	2.4597265 02
1.7500005 01	8.2927914 01	4.1416879 02	4.9709671 02
1.8000005 01	2.2137522 02	1.2027815 03	1.4241567 03
1.8200005 01	4.0611598 02	2.2857219 03	2.6918378 03
1.8400005 01	9.3800737 02	5.4690331 03	6.4070404 03
1.8500005 01	1.5053258 03	8.9119987 03	1.0417325 04
1.8600005 01	2.2952920 03	1.3758912 04	1.6054205 04
1.8700005 01	3.0621670 03	1.8540514 04	2.1602681 04
1.8800005 01	3.3788120 03	2.0635798 04	2.4014610 04
1.8900005 01	3.0286140 03	1.8654641 04	2.1683255 04
1.9000005 01	2.2523772 03	1.4003899 04	1.6256276 04
1.9100005 01	1.4721138 03	9.2539082 03	1.0726022 04
1.9200005 01	9.1678399 02	5.8360541 03	6.7528381 03
1.9300005 01	5.8513125 02	3.7735831 03	4.3587143 03
1.9500005 01	2.8592076 02	1.8838914 03	2.1698122 03
1.9700005 01	1.7105661 02	1.1382723 03	1.3093289 03
1.9800005 01	1.3944719 02	9.2668304 02	1.0661302 03
2.0000005 01	1.0069555 02	6.5430230 02	7.5499784 02
2.0200005 01	8.1015088 01	4.9230935 02	5.7332444 02
2.0300005 01	7.6277663 01	4.3560596 02	5.1188363 02
2.0400005 01	7.5027490 01	3.9060517 02	4.6563266 02

TABLE III (Continued) T = 0.1 ev

E_n(ev)	σ_γ(barns)	σ_S(barns)	σ_T(barns)
2.0500005 01	7.8514781 01	3.5599749 02	4.3451227 02
2.0600005 01	9.1111790 01	3.3338757 02	4.2449937 02
2.0700005 01	1.2877690 02	3.3373471 02	4.6251161 02
2.0800005 01	2.4512808 02	3.9823609 02	6.4336416 02
2.0900005 01	5.6072306 02	6.2347281 02	1.1841958 03
2.1000005 01	1.1816230 03	1.1000640 03	2.2816870 03
2.1100005 01	1.9283020 03	1.6945898 03	3.6228919 03
2.1150005 01	2.1849993 03	1.9061397 03	4.0911390 03
2.1200005 01	2.2744134 03	1.9870778 03	4.2614912 03
2.1250005 01	2.1731828 03	1.9160440 03	4.0892268 03
2.1300005 01	1.9082093 03	1.7118612 03	3.6200705 03
2.1400005 01	1.1595171 03	1.1161235 03	2.2756405 03
2.1500005 01	5.4410892 02	6.1272571 02	1.1568346 03
2.1700005 01	1.0809846 02	2.3456671 02	3.4266516 02
2.2000005 01	3.6573154 01	1.4979463 02	1.8636778 02
2.2500005 01	1.7544493 01	1.0788461 02	1.2542911 02
2.3000005 01	1.1416135 01	8.6119640 01	9.7535775 01
2.3500005 01	8.4038018 00	7.1970562 01	8.0374363 01
2.4000005 01	6.6724444 00	6.1970519 01	6.8642963 01
2.4500005 01	5.6533885 00	5.4605051 01	6.0258440 01
2.5000005 01	5.1789351 00	4.9132991 01	5.4311926 01
2.5500005 01	5.3882210 00	4.5352950 01	5.0741172 01
2.6000005 01	7.3096764 00	4.4232922 01	5.1542598 01
2.6500005 01	2.2889599 01	6.0470100 01	8.3359699 01
2.6800005 01	1.7575369 02	2.5662177 02	4.3237547 02
2.6900005 01	3.1995886 02	4.4512011 02	7.6507897 02
2.7000004 01	4.6836875 02	6.4107797 02	1.1094467 03
2.7100005 01	5.3208278 02	7.2785359 02	1.2599364 03
2.7200005 01	4.6503703 02	6.4339316 02	1.1084302 03
2.7300005 01	3.1622807 02	4.5015443 02	7.6638250 02
2.7500005 01	8.3296656 01	1.4362637 02	2.2692302 02
2.8000005 01	8.4380943 00	4.1072131 01	4.9510225 01
2.8500005 01	4.0717613 00	3.3193293 01	3.7265054 01
2.9000005 01	2.7167947 00	2.9837857 01	3.2554651 01
3.0000005 01	1.7038830 00	2.6110807 01	2.7814690 01
3.1000005 01	1.2800935 00	2.3730581 01	2.5010674 01
3.2000005 01	1.0406346 00	2.1954619 01	2.2995253 01
3.3000005 01	8.8584728-01	2.0545392 01	2.1431239 01
3.4000005 01	7.7947825-01	1.9389860 01	2.0169338 01
3.5000005 01	7.0525779-01	1.8423041 01	1.9128299 01
3.6000005 01	6.5526627-01	1.7604430 01	1.8259697 01
3.7000005 01	6.2619184-01	1.6909069 01	1.7535261 01
3.8000005 01	6.1864651-01	1.6324748 01	1.6943395 01
3.8500005 01	6.2482069-01	1.6074328 01	1.6699148 01
3.9000005 01	6.4074029-01	1.5854493 01	1.6495234 01
3.9500004 01	6.7463501-01	1.5670813 01	1.6345448 01
4.0000005 01	7.8896911-01	1.5539559 01	1.6328527 01
4.0300005 01	1.8112385 00	1.5532628 01	1.7343867 01
4.0500005 01	5.7359921 00	1.5617415 01	2.1353407 01
4.0600004 01	9.0150057 00	1.5665834 01	2.4680840 01
4.0700005 01	1.1971706 01	1.5675614 01	2.7647320 01
4.0800005 01	1.3167030 01	1.5622063 01	2.8789092 01
4.0900005 01	1.1940788 01	1.5516091 01	2.7456879 01
4.1000005 01	8.9930261 00	1.5399492 01	2.4392518 01
4.1100005 01	5.7594613 00	1.5313052 01	2.1072513 01
4.1300005 01	1.9219473 00	1.5265660 01	1.7187608 01
4.1400005 01	1.2862166 00	1.5279654 01	1.6565870 01
4.1500005 01	1.0459446 00	1.5302478 01	1.6348423 01
4.1600005 01	9.6749472-01	1.5329717 01	1.6297212 01
4.1800005 01	9.4583027-01	1.5395983 01	1.6341813 01
4.2000005 01	9.6903684-01	1.5482881 01	1.6451918 01
4.2500005 01	1.0936598 00	1.5834190 01	1.6927849 01

TABLE III (Continued) T = 0.1 ev

E_n(ev)	σ_γ(barns)	σ_S(barns)	σ_T(barns)
4.3000005 01	1.3022232 00	1.6485098 01	1.7787321 01
4.3300005 01	1.4818007 00	1.7107998 01	1.8589799 01
4.3500005 01	1.6335469 00	1.7667278 01	1.9300825 01
4.4000005 01	2.1857258 00	1.9871042 01	2.2056768 01
4.4500005 01	3.1969404 00	2.4292797 01	2.7489737 01
4.5000005 01	5.3668654 00	3.4527398 01	3.9894263 01
4.5500005 01	1.1691302 01	6.6351685 01	7.8042988 01
4.6000005 01	5.2300861 01	2.8291832 02	3.3521917 02
4.6300005 01	1.6963826 02	9.2403964 02	1.0936779 03
4.6500005 01	2.6441493 02	1.4497925 03	1.7142074 03
4.6600005 01	2.7985298 02	1.5394925 03	1.8193455 03
4.6700005 01	2.6342300 02	1.4540808 03	1.7175037 03
4.6800005 01	2.2147809 02	1.2270242 03	1.4485023 03
4.6900005 01	1.6842208 02	9.3663934 02	1.1050614 03
4.7000005 01	1.1843704 02	6.6081839 02	7.7925544 02
4.7200004 01	5.3401943 01	2.9532713 02	3.4872907 02
4.7300005 01	3.7605661 01	2.0053674 02	2.3814240 02
4.7400005 01	2.9639041 01	1.4201973 02	1.7165877 02
4.7500005 01	2.8572502 01	1.0605414 02	1.3462665 02
4.7600005 01	3.5753168 01	8.5327752 01	1.2108092 02
4.7700005 01	5.3775868 01	7.7682831 01	1.3145870 02
4.7800005 01	8.3353837 01	8.3123414 01	1.6647725 02
4.7900005 01	1.1930643 02	9.9840342 01	2.1914677 02
4.8000005 01	1.4963144 02	1.2131295 02	2.7094438 02
4.8100005 01	1.6095052 02	1.3750428 02	2.9845480 02
4.8200005 01	1.4744943 02	1.4029175 02	2.8774119 02
4.8300005 01	1.1519859 02	1.2853912 02	2.4373771 02
4.8500005 01	4.5813321 01	8.6338063 01	1.3215138 02
4.8700005 01	1.3409166 01	5.6630122 01	7.0039288 01
4.9000005 01	4.1821091 00	4.0082153 01	4.4264261 01
4.9500005 01	2.2199589 00	3.0578848 01	3.2798807 01
5.0000005 01	1.5223659 00	2.5895229 01	2.7417595 01
5.1000005 01	9.0993298-01	2.1081737 01	2.1991670 01
5.2000004 01	6.3776841-01	1.8613229 01	1.9250998 01
5.3000005 01	4.8922327-01	1.7104374 01	1.7593597 01
5.5000005 01	3.3744200-01	1.5324025 01	1.5661467 01
5.7000005 01	2.6348435-01	1.4270783 01	1.4534267 01
5.9000005 01	2.2123745-01	1.3543756 01	1.3764994 01
6.0000005 01	2.0670950-01	1.3250639 01	1.3457349 01
6.1000005 01	1.9537396-01	1.2989145 01	1.3184519 01
6.2000005 01	1.8711457-01	1.2751016 01	1.2938131 01
6.2500005 01	1.8442344-01	1.2638224 01	1.2822646 01
6.3000005 01	1.8323554-01	1.2527953 01	1.2711189 01
6.4000005 01	1.9248287-01	1.2305081 01	1.2497563 01
6.4500004 01	2.2235711-01	1.2177895 01	1.2400253 01
6.5000005 01	8.3080616-01	1.2001804 01	1.2832611 01
6.5200004 01	2.7888049 00	1.1966576 01	1.4755381 01
6.5400005 01	7.3023674 00	1.2116656 01	1.9419023 01
6.5500005 01	9.9945194 00	1.2288320 01	2.2282840 01
6.5600003 01	1.2083015 01	1.2493065 01	2.4576080 01
6.5700005 01	1.2862366 01	1.2676998 01	2.5539364 01
6.5800005 01	1.2046680 01	1.2787243 01	2.4833923 01
6.5900004 01	9.9402000 00	1.2798384 01	2.2738584 01
6.6000005 01	7.2527934 00	1.2722338 01	1.9975132 01
6.6200005 01	2.7737965 00	1.2460690 01	1.5234486 01
6.6500005 01	4.8420562-01	1.2180983 01	1.2665188 01
6.7000005 01	1.9749829-01	1.2001185 01	1.2198683 01
6.8000005 01	1.5869585-01	1.1801755 01	1.1960451 01
7.0000005 01	1.4199194-01	1.1498678 01	1.1640671 01
7.2000005 01	1.3483025-01	1.1235793 01	1.1370623 01
7.4000005 01	1.3029201-01	1.0993710 01	1.1124002 01
7.6000005 01	1.2729438-01	1.0765018 01	1.0892312 01
7.8000005 01	1.2551525-01	1.0545005 01	1.0670521 01

TABLE III (Continued) T = 0.1 ev

E_n(ev)	σ_γ(barns)	σ_S(barns)	σ_T(barns)
8.0000005 01	1.2486306-01	1.0329981 01	1.0454844 01
8.2000005 01	1.2537685-01	1.0116668 01	1.0242045 01
8.4000005 01	1.2722027-01	9.9018571 00	1.0029077 01
8.6000005 01	1.3072552-01	9.6821237 00	9.8128492 00
8.8000005 01	1.3650626-01	9.4535193 00	9.5900256 00
9.0000005 01	1.4571917-01	9.2111969 00	9.3569161 00
9.2000005 01	1.6072139-01	8.9490091 00	9.1097304 00
9.4000005 01	1.8699088-01	8.6597038 00	8.8466947 00
9.5000005 01	2.0834211-01	8.5032618 00	8.7116039 00
9.6000005 01	2.4017170-01	8.3404807 00	8.5806524 00
9.7000005 01	2.9139552-01	8.1792562 00	8.4706516 00
9.8000005 01	3.8362002-01	8.0495267 00	8.4331466 00
9.9000005 01	5.8202101-01	8.0745914 00	8.6566124 00
1.0000005 02	1.1775515 00	8.9616636 00	1.0139215 01
1.0050005 02	2.1451554 00	1.1229261 01	1.3374417 01
1.0100005 02	6.9509142 00	2.6236657 01	3.3187571 01
1.0120005 02	1.4613848 01	5.2802972 01	6.7416820 01
1.0150005 02	4.3751764 01	1.5901344 02	2.0276520 02
1.0170005 02	7.3664057 01	2.7210236 02	3.4576641 02
1.0180005 02	8.7227881 01	3.2506413 02	4.1229201 02
1.0190005 02	9.6623400 01	3.6345295 02	4.6007635 02
1.0200005 02	9.9927018 01	3.7970847 02	4.7963549 02
1.0210005 02	9.6431280 01	3.7064310 02	4.6707438 02
1.0220005 02	8.6899497 01	3.3854796 02	4.2544745 02
1.0230005 02	7.3285713 01	2.9030655 02	3.6359226 02
1.0250005 02	4.3487879 01	1.8107161 02	2.2455948 02
1.0280005 02	1.4577675 01	7.1187568 01	8.5765243 01
1.0300005 02	6.9551275 00	4.0858184 01	4.7813312 01
1.0350005 02	2.1600685 00	2.0113818 01	2.2273887 01
1.0400005 02	1.2096145 00	1.5215150 01	1.6424764 01
1.0500005 02	6.4854031-01	1.1718918 01	1.2367458 01
1.0600005 02	4.8657151-01	1.0288576 01	1.0775147 01
1.0700005 02	4.3719321-01	9.4771997 00	9.9143929 00
1.0800005 02	4.4002697-01	8.9339875 00	9.3740144 00
1.0900005 02	4.8057220-01	8.5453266 00	9.0258987 00
1.1000005 02	5.6202945-01	8.2861605 00	8.8481898 00
1.1100005 02	7.0301542-01	8.1987907 00	8.9018060 00
1.1200005 02	9.4947622-01	8.4398612 00	9.3893373 00
1.1300005 02	1.4176783 00	9.4770337 00	1.0894712 01
1.1400005 02	2.4642121 00	1.2930929 01	1.5395141 01
1.1500005 02	5.7081582 00	2.7039687 01	3.2747845 01
1.1550005 02	1.1156737 01	5.4774409 01	6.5931146 01
1.1580005 02	2.0581563 01	1.0736356 02	1.2794512 02
1.1600005 02	3.5503103 01	1.9509810 02	2.3060120 02
1.1620005 02	6.5883929 01	3.7975573 02	4.4563966 02
1.1640005 02	1.1985373 02	7.1622829 02	8.3608202 02
1.1650005 02	1.5566751 02	9.4328736 02	1.0989549 03
1.1660005 02	1.9472354 02	1.1940328 03	1.3887563 03
1.1670005 02	2.3306513 02	1.4440147 03	1.6770798 03
1.1680005 02	2.6569718 02	1.6616419 03	1.9273390 03
1.1690005 02	2.8764029 02	1.8146979 03	2.1023382 03
1.1700005 02	2.9522196 02	1.8785622 03	2.1737841 03
1.1710005 02	2.8712680 02	1.8431360 03	2.1302627 03
1.1720005 02	2.6478628 02	1.7157218 03	1.9805080 03
1.1730005 02	2.3194547 02	1.5186931 03	1.7506385 03
1.1740005 02	1.9359217 02	1.2829707 03	1.4765629 03
1.1750005 02	1.5467527 02	1.0399454 03	1.1946207 03
1.1760005 02	1.1907694 02	8.1480970 02	9.3388664 02
1.1780005 02	6.5508044 01	4.7039673 02	5.3590477 02
1.1800005 02	3.5326145 01	2.7164536 02	3.0697151 02
1.1820005 02	2.0458934 01	1.7080592 02	1.9126485 02
1.1850005 02	1.1046775 01	1.0414869 02	1.1519546 02
1.1900005 02	5.6157029 00	6.3008874 01	6.8624577 01

TABLE III (Continued) T = 0.1 ev

E_n(ev)	σ_γ(barns)	σ_S(barns)	σ_T(barns)
1.2000005 02	2.3952557 00	3.6201201 01	3.8596457 01
1.2100005 02	1.3580044 00	2.6476067 01	2.7834072 01
1.2200005 02	8.9203453-01	2.1617308 01	2.2509342 01
1.2300005 02	6.4287143-01	1.8745161 01	1.9388032 01
1.2500005 02	3.9875960-01	1.5520128 01	1.5918888 01
1.2700005 02	2.8830477-01	1.3739095 01	1.4027399 01
1.2900005 02	2.3071575-01	1.2582106 01	1.2812821 01
1.3000005 02	2.1259708-01	1.2133598 01	1.2346195 01
1.3100005 02	1.9944957-01	1.1742184 01	1.1941634 01
1.3200005 02	1.9076571-01	1.1393232 01	1.1583998 01
1.3300005 02	1.8750690-01	1.1074774 01	1.1262280 01
1.3400005 02	1.9701574-01	1.0773358 01	1.0970374 01
1.3450005 02	2.2823198-01	1.0621001 01	1.0849233 01
1.3500005 02	7.0014158-01	1.0493123 01	1.1193265 01
1.3520005 02	1.6490085 00	1.0520340 01	1.2169349 01
1.3550005 02	5.0550839 00	1.0825082 01	1.5880166 01
1.3570005 02	8.2626941 00	1.1204980 01	1.9467675 01
1.3580005 02	9.6400170 00	1.1394937 01	2.1034954 01
1.3590005 02	1.0591457 01	1.1548398 01	2.2139855 01
1.3600005 02	1.0931832 01	1.1635364 01	2.2567195 01
1.3610005 02	1.0574459 01	1.1637394 01	2.2211853 01
1.3620005 02	9.6129001 00	1.1557975 01	2.1170875.01
1.3630005 02	8.2316059 00	1.1412131 01	1.9643737 01
1.3650005 02	5.0297737 00	1.1012897 01	1.6042670 01
1.3680005 02	1.6456813 00	1.0495621 01	1.2141303 01
1.3700005 02	7.0160255-01	1.0297129 01	1.0998732 01
1.3750005 02	2.2648080-01	1.0070011 01	1.0296491 01
1.3800005 02	1.9467448-01	9.9325974 00	1.0127272 01
1.3900005 02	1.8566302-01	9.6957263 00	9.8813893 00
1.4000005 02	1.9192318-01	9.4779350 00	9.6698581 00
1.4100005 02	2.0923291-01	9.2724755 00	9.4817083 00
1.4200005 02	2.4469830-01	9.0843680 00	9.3290663 00
1.4300005 02	3.2475727-01	8.9449934 00	9.2697506 00
1.4400005 02	5.7760805-01	9.0470747 00	9.6246827 00
1.4450005 02	1.0874408 00	9.7606647 00	1.0848105 01
1.4500005 02	5.0326033 00	1.7363964 01	2.2396567 01
1.4520005 02	1.0936281 01	2.9385587 01	4.0321868 01
1.4550005 02	2.8746560 01	6.6499237 01	9.5245797 01
1.4570005 02	4.3830307 01	9.8544856 01	1.4237516 02
1.4580005 02	5.0105451 01	1.1212848 02	1.6223393 02
1.4590005 02	5.4302624 01	1.2146799 02	1.7577061 02
1.4600005 02	5.5756126 01	1.2511369 02	1.8086981 02
1.4610008 02	5.4227485 01	1.2249859 02	1.7672608 02
1.4620005 02	4.9974249 01	1.1409665 02	1.6407089 02
1.4630005 02	4.3670936 01	1.0127274 02	1.4494367 02
1.4650005 02	2.8616471 01	7.0047550 01	9.8664020 01
1.4680005 02	1.0918365 01	3.2621351 01	4.3539716 01
1.4700005 02	5.0501888 00	1.9932297 01	2.4982486 01
1.4750005 02	1.1133133 00	1.0985154 01	1.2098467 01
1.4800005 02	6.1271974-01	9.5680365 00	1.0180756 01
1.4900005 02	3.8655856-01	8.6389041 00	9.0254626 00
1.5000005 02	3.4069376-01	8.2070703 00	8.5477641 00
1.5100005 02	3.5408818-01	7.9584509 00	8.3125390 00
1.5200005 02	4.1466033-01	7.8877997 00	8.3024600 00
1.5300005 02	5.4970961-01	8.1762176 00	8.7259271 00
1.5400005 02	8.6646137-01	9.5434367 00	1.0409898 01
1.5500005 02	1.8868243 00	1.5914271 01	1.7801096 01
1.5550005 02	3.7112331 00	2.9732147 01	3.3443381 01
1.5600005 02	1.0818711 01	9.0722246 01	1.0154096 02
1.5620005 02	1.7530705 01	1.5145971 02	1.6899042 02
1.5650005 02	3.2638880 01	2.9334895 02	3.2598783 02
1.5670005 02	4.3271214 01	3.9766441 02	4.4093562 02
1.5700005 02	5.0965174 01	4.8319887 02	5.3416404 02

TABLE III (Continued) T = 0.1 ev

E_n(ev)	σ_γ(barns)	σ_S(barns)	σ_T(barns)
1.5730005 02	4.3110434 01	4.2331379 02	4.6642422 02
1.5750005 02	3.2465625 01	3.2865237 02	3.6111799 02
1.5780005 02	1.7431590 01	1.8870496 02	2.0613654 02
1.5800005 02	1.0765349 01	1.2437392 02	1.3513926 02
1.5850005 02	3.6950419 00	5.2829617 01	5.6524659 01
1.5900005 02	1.8778088 00	3.2588268 01	3.4466076 01
1.6000005 02	8.6756681-01	1.9916351 01	2.0783917 01
1.6200005 02	4.2352534-01	1.2967606 01	1.3391131 01
1.6400005 02	3.2523774-01	1.0508933 01	1.0834171 01
1.6600005 02	3.0951001-01	9.1313126 00	9.4408226 00
1.6800005 02	3.3781901-01	8.1340344 00	8.4718534 00
1.7000005 02	4.2225182-01	7.2515422 00	7.6737939 00
1.7100005 02	5.1016807-01	6.7841198 00	7.2942878 00
1.7200005 02	6.8290239-01	6.2341871 00	6.9170894 00
1.7300005 02	1.1756394 00	5.5072532 00	6.6828925 00
1.7350005 02	2.3784326 00	5.4795567 00	7.8579891 00
1.7400005 02	1.3824475 01	1.4404108 01	2.8228584 01
1.7420005 02	2.9717800 01	2.9062527 01	5.8780327 01
1.7450005 02	7.3027966 01	7.1938778 01	1.4496674 02
1.7470005 02	1.0704021 02	1.0781464 02	2.1485484 02
1.7480005 02	1.2073012 02	1.2318103 02	2.4391115 02
1.7490005 02	1.2982821 02	1.3433139 02	2.6415960 02
1.7500005 02	1.3302478 02	1.3978083 02	2.7280561 02
1.7510005 02	1.2982667 02	1.3881728 02	2.6864395 02
1.7520005 02	1.2077207 02	1.3176713 02	2.5253919 02
1.7530005 02	1.0720110 02	1.1982153 02	2.2702262 02
1.7550005 02	7.3765231 01	8.8348534 01	1.6211377 02
1.7580005 02	3.2637994 01	4.9045292 01	8.1683286 01
1.7600005 02	2.0000925 01	4.0492063 01	6.0492987 01
1.7620005 02	1.8302008 01	4.8900079 01	6.7202087 01
1.7650005 02	2.9043842 01	8.9570388 01	1.1861423 02
1.7670005 02	3.9099696 01	1.2477302 02	1.6387272 02
1.7690005 02	4.5814698 01	1.5091528 02	1.9672998 02
1.7700005 02	4.6674646 01	1.5649602 02	2.0317066 02
1.7710005 02	4.5603481 01	1.5597383 02	2.0157731 02
1.7730005 02	3.8419611 01	1.3810867 02	1.7652827 02
1.7750005 02	2.7594673 01	1.0661276 02	1.3420743 02
1.7780005 02	1.3095530 01	6.1052207 01	7.4147737 01
1.7800005 02	7.2694174 00	4.1553284 01	4.8822701 01
1.7850005 02	2.3155130 00	2.3497242 01	2.5812755 01
1.7900005 02	1.5991049 00	2.0489440 01	2.2088545 01
1.8000005 02	1.4730815 00	2.1142590 01	2.2615672 01
1.8100005 02	1.7395283 00	2.5676999 01	2.7416528 01
1.8200005 02	2.3341331 00	3.5375563 01	3.7709696 01
1.8300005 02	3.5176105 00	5.5848337 01	5.9365947 01
1.8400005 02	6.1831940 00	1.0540229 02	1.1158548 02
1.8500005 02	1.4267566 01	2.6754358 02	2.8181114 02
1.8600005 02	5.3179357 01	1.1131495 03	1.1663288 03
1.8650005 02	9.8558578 01	2.1534209 03	2.2519795 03
1.8700005 02	1.2544491 02	2.8357345 03	2.9611794 03
1.8750005 02	9.8014415 01	2.2938370 03	2.3918514 03
1.8800005 02	5.2744373 01	1.2913400 03	1.3440844 03
1.8900005 02	1.4090966 01	3.8938857 02	4.0347953 02
1.9000005 02	6.0471057 00	1.8807883 02	1.9412593 02
1.9200005 02	2.1809447 00	8.3680862 01	8.5861806 01
1.9400005 02	1.1499519 00	5.2719894 01	5.3869846 01
1.9600005 02	7.3298452-01	3.8828645 01	3.9561629 01
1.9800005 02	5.2680906-01	3.1135053 01	3.1661862 01
2.0000005 02	4.1341064-01	2.6275018 01	2.6688429 01
2.0200005 02	3.4861497-01	2.2906600 01	2.3255215 01
2.0400005 02	3.1368018-01	2.0399549 01	2.0713229 01
2.0500005 02	3.0473659-01	1.9358901 01	1.9663638 01
2.0600005 02	3.0093581-01	1.8422720 01	1.8723655 01

TABLE III (Continued) T = 0.1 ev

E_n(ev)	σ_γ(barns)	σ_S(barns)	σ_T(barns)
2.0800005 02	3.0937421-01	1.6789931 01	1.7099305 01
2.1000005 02	3.4493529-01	1.5401978 01	1.5746914 01
2.1100005 02	3.7795056-01	1.4791105 01	1.5169055 01
2.1200005 02	4.2689549-01	1.4246876 01	1.4673771 01
2.1300005 02	5.0054133-01	1.3798065 01	1.4298606 01
2.1400005 02	6.1695079-01	1.3508768 01	1.4125719 01
2.1500005 02	8.3543376-01	1.3516302 01	1.4351736 01
2.1550005 02	1.2677963 00	1.3734232 01	1.5002028 01
2.1600005 02	4.3924302 00	1.4518181 01	1.8910611 01
2.1630005 02	1.0203240 01	1.5793848 01	2.5997088 01
2.1650005 02	1.5812675 01	1.7116362 01	3.2929036 01
2.1670005 02	2.1398363 01	1.8677970 01	4.0076333 01
2.1680005 02	2.3563178 01	1.9462204 01	4.3025382 01
2.1690005 02	2.4993042 01	2.0197072 01	4.5190114 01
2.1700005 02	2.5529674 01	2.0851702 01	4.6381376 01
2.1710005 02	2.5117761 01	2.1409458 01	4.6527219 01
2.1720005 02	2.3817565 01	2.1872288 01	4.5689854 01
2.1730005 02	2.1791541 01	2.2260709 01	4.4052250 01
2.1750005 02	1.6520288 01	2.2969776 01	3.9490064 01
2.1770005 02	1.1273750 01	2.3915040 01	3.5188790 01
2.1800005 02	6.0926853 00	2.6559466 01	3.2652151 01
2.1850005 02	4.4189688 00	3.6578891 01	4.0997860 01
2.1900005 02	6.8119979 00	6.1577982 01	6.8389979 01
2.1950005 02	1.4309476 01	1.3962511 02	1.5393458 02
2.2000005 02	3.8201171 01	4.0931191 02	4.4751308 02
2.2050005 02	8.8434619 01	1.0125837 03	1.1010183 03
2.2100005 02	1.2149478 02	1.4590118 03	1.5805065 03
2.2150005 02	8.8059614 01	1.1143348 03	1.2023944 03
2.2200005 02	3.7986844 01	5.2442846 02	5.6241530 02
2.2300005 02	6.6807031 00	1.2605715 02	1.3273786 02
2.2400005 02	2.6914846 00	6.6924885 01	6.9616370 01
2.2500005 02	1.5130201 00	4.7174436 01	4.8687455 01
2.2700005 02	7.2363180-01	3.1937033 01	3.2660664 01
2.3000005 02	3.9262608-01	2.3760795 01	2.4153422 01
2.3200005 02	3.1393934-01	2.1063390 01	2.1377329 01
2.3400005 02	2.7767959-01	1.9240645 01	1.9518324 01
2.3500005 02	2.6961663-01	1.8530692 01	1.8800308 01
2.3600005 02	2.6694065-01	1.7920133 01	1.8187074 01
2.3800005 02	2.7678307-01	1.6946304 01	1.7223087 01
2.4000005 02	3.0942010-01	1.6285807 01	1.6595228 01
2.4200005 02	3.7541239-01	1.6034278 01	1.6409690 01
2.4400005 02	5.0223475-01	1.6546924 01	1.7049159 01
2.4500005 02	6.0806769-01	1.7378220 01	1.7986288 01
2.4600005 02	7.6520893-01	1.8959652 01	1.9724860 01
2.4700005 02	1.0110172 00	2.1923208 01	2.2934225 01
2.4800005 02	1.4252519 00	2.7686245 01	2.9111498 01
2.4900005 02	2.2052418 00	3.9929651 01	4.2134893 01
2.5000005 02	3.9652837 00	7.0700958 01	7.4666242 01
2.5100005 02	9.5597963 00	1.7934856 02	1.8890836 02
2.5150005 02	1.7864541 01	3.5202296 02	3.6988750 02
2.5200005 02	3.5547219 01	7.3727914 02	7.7282636 02
2.5230005 02	5.0844578 01	1.0830873 03	1.1339319 03
2.5250005 02	6.1172286 01	1.3240459 03	1.3852182 03
2.5270005 02	6.9589740 01	1.5289003 03	1.5984901 03
2.5280005 02	7.2508085 01	1.6046031 03	1.6771112 03
2.5290005 02	7.4320247 01	1.6565850 03	1.7309052 03
2.5300005 02	7.4914470 01	1.6819337 03	1.7568481 03
2.5310005 02	7.4253808 01	1.6793617 03	1.7536156 03
2.5320005 02	7.2380139 01	1.6493350 03	1.7217151 03
2.5330005 02	6.9409288 01	1.5940069 03	1.6634161 03
2.5350005 02	6.0923928 01	1.4227978 03	1.4837217 03
2.5370005 02	5.0581216 01	1.2038998 03	1.2544810 03
2.5400005 02	3.5327533 01	8.7010272 02	9.0543025 02

TABLE III (Continued) T = 0.1 ev

E_n(ev)	σ_γ(barns)	σ_S(barns)	σ_T(barns)
2.5450005 02	1.7742187 01	4.7095111 02	4.8869330 02
2.5500005 02	9.4809372 00	2.7523148 02	2.8471242 02
2.5600005 02	3.9102738 00	1.3560921 02	1.3951949 02
2.5700005 02	2.1582252 00	8.8305987 01	9.0464212 01

TABLE IV
W CROSS SECTIONS
W Temperature = 0.2 ev

Neutron Energy, E_n(ev)	Radiative Capture Cross Section, σ_γ(barns)	Scattering Cross Section, σ_S (barns)	Total Cross Section, σ_T(barns)
2.5300000-02	1.7375362 01	5.7193771 00	2.3094738 01
5.0000009-02	1.2400157 01	5.0567845 00	1.8056941 01
1.0000005-01	8.8270256 00	5.6202929 00	1.4447318 01
2.0000005-01	6.3275478 00	5.5930293 00	1.1920577 01
3.0000007-01	5.2397843 00	5.5757932 00	1.0815578 01
5.0000005-01	4.1808157 00	5.5468473 00	9.7276629 00
7.0000005-01	3.6477612 00	5.5193473 00	9.1671084 00
1.0000005 00	3.2175864 00	5.4773357 00	8.6949221 00
1.2000005 00	3.0555077 00	5.4479417 00	8.5034493 00
1.4000005 00	2.9554271 00	5.4168922 00	8.3723194 00
1.5000005 00	2.9240384 00	5.4005905 00	8.3246288 00
1.6000005 00	2.9037868 00	5.3836722 00	8.2874589 00
1.7000005 00	2.8942180 00	5.3660517 00	8.2602697 00
1.8000005 00	2.8952293 00	5.3476283 00	8.2428576 00
1.9000005 00	2.9070554 00	5.3282866 00	8.2353420 00
2.0000005 00	2.9302797 00	5.3078872 00	8.2381669 00
2.1000005 00	2.9658753 00	5.2862701 00	8.2521454 00
2.2000005 00	3.0152743 00	5.2632402 00	8.2785144 00
2.3000005 00	3.0804839 00	5.2385632 00	8.3190470 00
2.4000005 00	3.1642553 00	5.2119533 00	8.3762086 00
2.5000005 00	3.2703399 00	5.1830619 00	8.4534017 00
2.6000005 00	3.4038724 00	5.1514546 00	8.5553271 00
2.7000005 00	3.5719589 00	5.1165878 00	8.6885467 00
2.8000005 00	3.7845917 00	5.0777694 00	8.8623611 00
2.9000005 00	4.0561282 00	5.0341093 00	9.0902375 00
3.0000005 00	4.4077607 00	4.9844417 00	9.3922024 00
3.1000005 00	4.8718173 00	4.9272210 00	9.7990382 00
3.2000005 00	5.4996586 00	4.8603567 00	1.0360016 01
3.3000005 00	6.3771382 00	4.7809821 00	1.1158120 01
3.4000005 00	7.6574449 00	4.6851227 00	1.2342567 01
3.5000005 00	9.6389135 00	4.5673512 00	1.4206265 01
3.6000005 00	1.2980921 01	4.4210987 00	1.7402020 01
3.7000005 00	1.9502461 01	4.2456741 00	2.3748136 01
3.8000005 00	3.7946603 01	4.1661606 00	4.2112764 01
3.9000005 00	1.3420125 02	5.9364071 00	1.4013765 02
3.9500005 00	2.8626922 02	9.9551011 00	2.9622432 02
4.0000005 00	5.5778202 02	1.8168755 01	5.7595078 02
4.0500005 00	9.1328404 02	3.0189796 01	9.4347384 02
4.1000005 00	1.2097820 03	4.1866547 01	1.2516486 03
4.1300005 00	1.2857150 03	4.6155304 01	1.3318703 03
4.1400005 00	1.2884753 03	4.6895813 01	1.3353711 03
4.1500005 00	1.2796130 03	4.7260528 01	1.3268735 03
4.2000005 00	1.0815123 03	4.3713852 01	1.1252262 03
4.2500005 00	7.3906327 02	3.4168961 01	7.7323223 02
4.3000005 00	4.1934497 02	2.3970875 01	4.4331585 02
4.4000005 00	9.9174148 01	1.2222260 01	1.1139641 02
4.5000005 00	3.0928144 01	8.9109221 00	3.9839066 01
4.6000004 00	1.6439774 01	7.8603745 00	2.4300148 01
4.7000005 00	1.1018468 01	7.3398424 00	1.8358311 01
4.8000005 00	8.2051284 00	7.0180242 00	1.5223153 01
5.0000005 00	5.4587487 00	6.6381573 00	1.2096906 01
5.2000004 00	4.2126944 00	6.4223063 00	1.0635001 01
5.5000005 00	3.3560916 00	6.2343002 00	9.5903918 00
5.7000005 00	3.0899300 00	6.1566137 00	9.2465437 00
5.8000005 00	3.0103912 00	6.1267461 00	9.1371373 00
5.9000005 00	2.9589843 00	6.1014948 00	9.0604791 00
6.0000005 00	2.9328149 00	6.0801192 00	9.0129341 00
6.1000005 00	2.9307390 00	6.0620402 00	8.9927793 00
6.2000005 00	2.9532936 00	6.0467890 00	9.0000825 00
6.3000005 00	3.0028946 00	6.0339976 00	9.0368921 00
6.5000005 00	3.2061144 00	6.0147418 00	9.2208561 00
6.7000005 00	3.6360080 00	6.0033949 00	9.6394029 00
6.8000005 00	4.0102202 00	6.0015523 00	1.0011772 01

TABLE IV (Continued) T = 0.2 ev

E_n(ev)	σ_γ(barns)	σ_S(barns)	σ_T(barns)
6.9000005 00	4.5863693 00	6.0044337 00	1.0590803 01
7.0000005 00	5.5455891 00	6.0177112 00	1.1563301 01
7.1000004 00	7.4584103 00	6.0655062 00	1.3523917 01
7.2000005 00	1.2956524 01	6.2875755 00	1.9244099 01
7.3000005 00	3.4123072 01	7.4079199 00	4.1530992 01
7.4000004 00	1.0170619 02	1.1431174 01	1.1313736 02
7.4500005 00	1.5988519 02	1.5081197 01	1.7496639 02
7.5000005 00	2.2653712 02	1.9422383 01	2.4595950 02
7.5500005 00	2.8534583 02	2.3459736 01	3.0880556 02
7.5800005 00	3.0885193 02	2.5218673 01	3.3407060 02
7.6000005 00	3.1751097 02	2.5970421 01	3.4348139 02
7.6100005 00	3.1950652 02	2.6202553 01	3.4570907 02
7.6200005 00	3.1989881 02	2.6334465 01	3.4623328 02
7.6300005 00	3.1868432 02	2.6364819 01	3.4504914 02
7.6500005 00	3.1154919 02	2.6123726 01	3.3767292 02
7.6700005 00	2.9857012 02	2.5500679 01	3.2407079 02
7.7000004 00	2.6999409 02	2.3951550 01	2.9394564 02
7.7500005 00	2.0767169 02	2.0301760 01	2.2797345 02
7.8000005 00	1.4312175 02	1.6329977 01	1.5945173 02
7.9000005 00	5.2897311 01	1.0499341 01	6.3396651 01
8.0000005 00	1.8325204 01	8.0970309 00	2.6422235 01
8.1000004 00	8.8228453 00	7.3609218 00	1.6183767 01
8.3000005 00	4.7998652 00	7.0088125 00	1.1808677 01
8.5000005 00	3.7163316 00	6.9368081 00	1.0653140 01
8.7000003 00	3.2508517 00	6.9465433 00	1.0197395 01
8.9000005 00	3.0224632 00	6.9985684 00	1.0021031 01
9.0000005 00	2.9551009 00	7.0357629 00	9.9908637 00
9.1000004 00	2.9080813 00	7.0791915 00	9.9872729 00
9.2000003 00	2.8765349 00	7.1283316 00	1.0004867 01
9.3000003 00	2.8570740 00	7.1828509 00	1.0039925 01
9.5000005 00	2.8454103 00	7.3073364 00	1.0152746 01
9.7000003 00	2.8605491 00	7.4520971 00	1.0312646 01
1.0000005 01	2.9191100 00	7.7083323 00	1.0627442 01
1.0500005 01	3.0869553 00	8.2510117 00	1.1337967 01
1.1000005 01	3.3280409 00	8.9683707 00	1.2296412 01
1.1500005 01	3.6429708 00	9.9118595 00	1.3554831 01
1.2000005 01	4.0436248 00	1.1156710 01	1.5200334 01
1.3000005 01	5.2014266 00	1.5043991 01	2.0245418 01
1.4000005 01	7.1631661 00	2.2377851 01	2.9541018 01
1.5000005 01	1.0843936 01	3.7695484 01	4.8539420 01
1.6000005 01	1.9068994 01	7.5679215 01	9.4748208 01
1.6500005 01	2.7724382 01	1.1849788 02	1.4622227 02
1.7000005 01	4.4684697 01	2.0659291 02	2.5127761 02
1.7500005 01	8.6092940 01	4.3236627 02	5.1845921 02
1.8000005 01	2.4916229 02	1.3683512 03	1.6175135 03
1.8200005 01	4.9587139 02	2.8296040 03	3.3254753 03
1.8400005 01	1.1318715 03	6.6700613 03	7.8019328 03
1.8500005 01	1.6526372 03	9.8539924 03	1.1506629 04
1.8600005 01	2.2278845 03	1.3408272 04	1.5636156 04
1.8700005 01	2.6893995 03	1.6311148 04	1.9000548 04
1.8800005 01	2.8577811 03	1.7452289 04	2.0310070 04
1.8900005 01	2.6605022 03	1.6357740 04	1.9018241 04
1.9000005 01	2.1848718 03	1.3531164 04	1.5716035 04
1.9100005 01	1.6125559 03	1.0070333 04	1.1682889 04
1.9200005 01	1.1031899 03	6.9576864 03	8.0608762 03
1.9300005 01	7.2881829 02	4.6492477 03	5.3780660 03
1.9500005 01	3.3596702 02	2.1935876 03	2.5295546 03
1.9700005 01	1.8765393 02	1.2414254 03	1.4290794 03
1.9800005 01	1.4987930 02	9.9097993 02	1.1408592 03
2.0000005 01	1.0582021 02	6.8350864 02	7.8932885 02
2.0200005 01	8.4885660 01	5.0827151 02	5.9315718 02
2.0300005 01	8.0974770 01	4.4880023 02	5.2977501 02
2.0400005 01	8.3100056 01	4.0393550 02	4.8703555 02

TABLE IV (Continued) T = 2.0 ev

E_n(ev)	σ_γ(barns)	σ_S(barns)	σ_T(barns)
2.0500005 01	9.7352957 01	3.7584978 02	4.7320274 02
2.0600005 01	1.3971712 02	3.7529583 02	5.1501295 02
2.0700005 01	2.4236931 02	4.2670536 02	6.6907467 02
2.0800005 01	4.4952642 02	5.6537394 02	1.0149004 03
2.0900005 01	7.8633763 02	8.1308983 02	1.5994274 03
2.1000005 01	1.2062622 03	1.1354349 03	2.3416972 03
2.1100005 01	1.5693788 03	1.4220479 03	2.9914267 03
2.1150005 01	1.6750066 03	1.5077238 03	3.1827303 03
2.1200005 01	1.7085769 03	1.5370027 03	3.2455796 03
2.1250005 01	1.6654259 03	1.5053215 03	3.1707474 03
2.1300005 01	1.5517305 03	1.4167919 03	2.9685224 03
2.1400005 01	1.1804838 03	1.1209496 03	2.3014334 03
2.1500005 01	7.6171686 02	7.8077933 02	1.5424962 03
2.1700005 01	2.2074578 02	3.2668357 02	5.4742935 02
2.2000005 01	4.3834046 01	1.5678457 02	2.0061861 02
2.2500005 01	1.8023818 01	1.0866636 02	1.2669018 02
2.3000005 01	1.1547599 01	8.6436540 01	9.7984139 01
2.3500005 01	8.4599494 00	7.2145179 01	8.0605127 01
2.4000005 01	6.7046992 00	6.2082322 01	6.8787022 01
2.4500005 01	5.6794448 00	5.4687018 01	6.0366463 01
2.5000005 01	5.2137676 00	4.9209885 01	5.4423653 01
2.5500005 01	5.4748491 00	4.5480109 01	5.0954958 01
2.6000005 01	7.8014657 00	4.4847642 01	5.2649107 01
2.6500005 01	4.3952538 01	8.7829340 01	1.3178188 02
2.6800005 01	2.1768796 02	3.1290210 02	5.3059006 02
2.6900005 01	3.0575492 02	4.2854721 02	7.3430212 02
2.7000004 01	3.7584943 02	5.2152449 02	8.9737391 02
2.7100005 01	4.0180606 02	5.5728361 02	9.5908968 02
2.7200005 01	3.7308304 02	5.2143865 02	8.9452167 02
2.7300005 01	3.0169542 02	4.2915284 02	7.3084826 02
2.7500005 01	1.3523543 02	2.1116775 02	3.4640318 02
2.8000005 01	1.0344351 01	4.3681670 01	5.4026021 01
2.8500005 01	4.2212710 00	3.3417752 01	3.7639023 01
2.9000005 01	2.7560773 00	2.9903169 01	3.2659246 01
3.0000005 01	1.7111130 00	2.6126544 01	2.7837657 01
3.1000005 01	1.2825510 00	2.3737653 01	2.5020204 01
3.2000005 01	1.0417964 00	2.1958789 01	2.3000586 01
3.3000005 01	8.8652762-01	2.0548207 01	2.1434734 01
3.4000005 01	7.7994797-01	1.9391925 01	2.0171872 01
3.5000005 01	7.0563535-01	1.8424664 01	1.9130299 01
3.6000005 01	6.5562313-01	1.7605825 01	1.8261449 01
3.7000005 01	6.2659818-01	1.6910442 01	1.7537041 01
3.8000005 01	6.1923851-01	1.6326373 01	1.6945611 01
3.8500005 01	6.2566283-01	1.6076266 01	1.6701930 01
3.9000005 01	6.4227575-01	1.5857014 01	1.6499290 01
3.9500004 01	6.8033184-01	1.5674758 01	1.6355090 01
4.0000005 01	1.0615617 00	1.5555157 01	1.6616719 01
4.0300005 01	3.1735944 00	1.5562403 01	1.8735997 01
4.0500005 01	6.3632975 00	1.5596588 01	2.1959886 01
4.0600004 01	8.0524473 00	1.5601822 01	2.3654270 01
4.0700005 01	9.2971218 00	1.5587241 01	2.4884362 01
4.0800005 01	9.7493137 00	1.5549767 01	2.5299081 01
4.0900005 01	9.2778683 00	1.5494179 01	2.4772048 01
4.1000005 01	8.0316036 00	1.5431589 01	2.3463193 01
4.1100005 01	6.3650644 00	1.5374855 01	2.1739919 01
4.1300005 01	3.2611087 00	1.5312071 01	1.8573180 01
4.1400005 01	2.2424075 00	1.5308965 01	1.7551372 01
4.1500005 01	1.6022885 00	1.5320536 01	1.6922827 01
4.1600005 01	1.2477410 00	1.5342734 01	1.6590475 01
4.1800005 01	1.0028225 00	1.5408815 01	1.6411638 01
4.2000005 01	9.8369584-01	1.5499270 01	1.6462967 01
4.2500005 01	1.1017571 00	1.5863084 01	1.6964841 01

TABLE IV (Continued) T = 0.2 ev

E_n(ev)	σ_γ(barns)	σ_S(barns)	σ_T(barns)
4.3000005 01	1.3143412 00	1.6536771 01	1.7851112 01
4.3300005 01	1.4987731 00	1.7183796 01	1.8682569 01
4.3500005 01	1.6553645 00	1.7767011 01	1.9422375 01
4.4000005 01	2.2307960 00	2.0087053 01	2.2317849 01
4.4500005 01	3.3090243 00	2.4851975 01	2.8160999 01
4.5000005 01	5.7532283 00	3.6526841 01	4.2280069 01
4.5500005 01	1.4532105 01	8.1600089 01	9.6132194 01
4.6000005 01	7.3579375 01	4.0024472 02	4.7382409 02
4.6300005 01	1.6642158 02	9.0975576 02	1.0761773 03
4.6500005 01	2.1653600 02	1.1887972 03	1.4053332 03
4.6600005 01	2.2361444 02	1.2303181 03	1.4539325 03
4.6700005 01	2.1581086 02	1.1898758 03	1.4056866 03
4.6800005 01	1.9491972 02	1.0766699 03	1.2715896 03
4.6900005 01	1.6536772 02	9.1433783 02	1.0797055 03
4.7000005 01	1.3271939 02	7.3262594 02	8.6534534 02
4.7200004 01	7.7117975 01	4.0951672 02	4.8663469 02
4.7300005 01	5.9840119 01	2.9383488 02	3.5367500 02
4.7400005 01	5.1016117 01	2.1105078 02	2.6206691 02
4.7500005 01	5.0614606 01	1.5650911 02	2.0712372 02
4.7600005 01	5.7950664 01	1.2424326 02	1.8219393 02
4.7700005 01	7.1451544 01	1.0859527 02	1.8004682 02
4.7800005 01	8.8346024 01	1.0453832 02	1.9288434 02
4.7900005 01	1.0473872 02	1.0740567 02	2.1214439 02
4.8000005 01	1.1636415 02	1.1275011 02	2.2911425 02
4.8100005 01	1.1985576 02	1.1668181 02	2.3653757 02
4.8200005 01	1.1392896 02	1.1650405 02	2.3043301 02
4.8300005 01	9.9819512 01	1.1122576 02	2.1104527 02
4.8500005 01	6.0427114 01	8.9348474 01	1.4977559 02
4.8700005 01	2.7788711 01	6.5211706 01	9.3000416 01
4.9000005 01	7.1885126 00	4.3278385 01	5.0466898 01
4.9500005 01	2.3435899 00	3.1056326 01	3.3399916 01
5.0000005 01	1.5548326 00	2.6079286 01	2.7634117 01
5.1000005 01	9.1782377-01	2.1136957 01	2.2054781 01
5.2000004 01	6.4080859-01	1.8636684 01	1.9277492 01
5.3000005 01	4.9066952-01	1.7116298 01	1.7606968 01
5.5000005 01	3.3790587-01	1.5328231 01	1.5666137 01
5.7000005 01	2.6368215-01	1.4272674 01	1.4536357 01
5.9000005 01	2.2134303-01	1.3544725 01	1.3766067 01
6.0000005 01	2.0679708-01	1.3251333 01	1.3458130 01
6.1000005 01	1.9546212-01	1.2989620 01	1.3185081 01
6.2000005 01	1.8724575-01	1.2751255 01	1.2938501 01
6.2500005 01	1.8462367-01	1.2638293 01	1.2822917 01
6.3000005 01	1.8360514-01	1.2527753 01	1.2711358 01
6.4000005 01	1.9564788-01	1.2302792 01	1.2498440 01
6.4500004 01	3.0085020-01	1.2171112 01	1.2471962 01
6.5000005 01	2.0331631 00	1.2056915 01	1.4090078 01
6.5200004 01	4.2127541 00	1.2098518 01	1.6311271 01
6.5400005 01	6.9962487 00	1.2237654 01	1.9233903 01
6.5500005 01	8.2126990 00	1.2333619 01	2.0546318 01
6.5600003 01	9.0398545 00	1.2431081 01	2.1470935 01
6.5700005 01	9.3244065 00	1.2514575 01	2.1838982 01
6.5800005 01	9.0122033 00	1.2570467 01	2.1582669 01
6.5900004 01	8.1649497 00	1.2590550 01	2.0755499 01
6.6000005 01	6.9400323 00	1.2573906 01	1.9513938 01
6.6200005 01	4.1709469 00	1.2458226 01	1.6629173 01
6.6500005 01	1.3222528 00	1.2232402 01	1.3554655 01
6.7000005 01	2.3773192-01	1.2010653 01	1.2248385 01
6.8000005 01	1.5939620-01	1.1802550 01	1.1961946 01
7.0000005 01	1.4204794-01	1.1498606 01	1.1640654 01
7.2000005 01	1.3484745-01	1.1235599 01	1.1370446 01
7.4000005 01	1.3030183-01	1.0993466 01	1.1123768 01
7.6000005 01	1.2730231-01	1.0764745 01	1.0892047 01
7.8000005 01	1.2552317-01	1.0544708 01	1.0670231 01

TABLE IV (Continued) T = 0.2 ev

E_n(ev)	σ_γ(barns)	σ_S(barns)	σ_T(barns)
8.0000005 01	1.2487222-01	1.0329657 01	1.0454530 01
8.2000005 01	1.2538863-01	1.0116318 01	1.0241706 01
8.4000005 01	1.2723671-01	9.9014748 00	1.0028711 01
8.6000005 01	1.3075018-01	9.6816993 00	9.8124495 00
8.8000005 01	1.3654610-01	9.4530388 00	9.5895848 00
9.0000005 01	1.4578947-01	9.2106385 00	9.3564279 00
9.2000005 01	1.6086100-01	8.9483510 00	9.1092119 00
9.4000005 01	1.8732042-01	8.6589724 00	8.8462928 00
9.5000005 01	2.0889835-01	8.5025976 00	8.7114959 00
9.6000005 01	2.4119903-01	8.3401969 00	8.5813959 00
9.7000005 01	2.9354444-01	8.1804352 00	8.4739796 00
9.8000005 01	3.8903512-01	8.0566022 00	8.4456373 00
9.9000005 01	6.0075282-01	8.1125922 00	8.7133450 00
1.0000005 02	1.3235907 00	9.3789936 00	1.0702584 01
1.0050005 02	3.1633258 00	1.4683950 01	1.7847276 01
1.0100005 02	1.3660832 01	5.1012008 01	6.4672840 01
1.0120005 02	2.4320689 01	8.9695757 01	1.1401645 02
1.0150005 02	4.7985600 01	1.7808097 02	2.2606656 02
1.0170005 02	6.4178145 01	2.4059371 02	3.0477184 02
1.0180005 02	7.0341665 01	2.6528899 02	3.3563065 02
1.0190005 02	7.4308656 01	2.8211658 02	3.5642524 02
1.0200005 02	7.5632784 01	2.8927026 02	3.6490304 02
1.0210005 02	7.4163595 01	2.8602004 02	3.6018363 02
1.0220005 02	7.0075357 01	2.7284588 02	3.4292124 02
1.0230005 02	6.3832183 01	2.5133382 02	3.1516601 02
1.0250005 02	4.7625423 01	1.9318896 02	2.4081438 02
1.0280005 02	2.4158132 01	1.0608109 02	1.3023922 02
1.0300005 02	1.3618587 01	6.5846504 01	7.9465091 01
1.0350005 02	3.1963623 00	2.4301351 01	2.7497712 01
1.0400005 02	1.3591633 00	1.5895378 01	1.7254542 01
1.0500005 02	6.6769515-01	1.1819075 01	1.2486770 01
1.0600005 02	4.9247244-01	1.0320573 01	1.0813045 01
1.0700005 02	4.4006776-01	9.4913075 00	9.9313751 00
1.0800005 02	4.4219521-01	8.9422052 00	9.3844004 00
1.0900005 02	4.8300288-01	8.5524089 00	9.0354117 00
1.1000005 02	5.6562807-01	8.2959599 00	8.8615879 00
1.1100005 02	7.0942084-01	8.2180469 00	8.9274677 00
1.1200005 02	9.6285719-01	8.4867512 00	9.4496084 00
1.1300005 02	1.4517734 00	9.6165610 00	1.1068334 01
1.1400005 02	2.5847306 00	1.3501697 01	1.6086428 01
1.1500005 02	6.7080298 00	3.2600927 01	3.9308957 01
1.1550005 02	1.6694228 01	8.8168783 01	1.0486301 02
1.1580005 02	3.5051200 01	1.9761844 02	2.3266965 02
1.1600005 02	5.8173826 01	3.3950346 02	3.9767728 02
1.1620005 02	9.2454192 01	5.5383585 02	6.4629004 02
1.1640005 02	1.3601473 02	8.3104262 02	9.6705735 02
1.1650005 02	1.5912039 02	9.8025963 02	1.1393800 03
1.1660005 02	1.8125655 02	1.1250161 03	1.3062727 03
1.1670005 02	2.0077819 02	1.2548629 03	1.4556411 03
1.1680005 02	2.1607058 02	1.3593699 03	1.5754405 03
1.1690005 02	2.2576885 02	1.4295207 03	1.6552896 03
1.1700005 02	2.2896994 02	1.4590931 03	1.6880630 03
1.1710005 02	2.2537326 02	1.4456060 03	1.6709793 03
1.1720005 02	2.1533040 02	1.3907126 03	1.6060430 03
1.1730005 02	1.9978561 02	1.2998957 03	1.4996813 03
1.1740005 02	1.8012470 02	1.1815668 03	1.3616915 03
1.1750005 02	1.5796546 02	1.0457763 03	1.2037418 03
1.1760005 02	1.3493550 02	9.0280693 02	1.0377425 03
1.1780005 02	9.1696162 01	6.3034616 02	7.2204232 02
1.1800005 02	5.7762249 01	4.1276733 02	4.7052958 02
1.1820005 02	3.4866628 01	2.6332097 02	2.9818760 02
1.1850005 02	1.6624577 01	1.4109966 02	1.5772424 02
1.1900005 02	6.6329251 00	7.0213540 01	7.6846465 01

TABLE IV (Continued) T = 0.2 ev

E_n(ev)	σ_γ(barns)	σ_S(barns)	σ_T(barns)
1.2000005 02	2.5165635 00	3.7158987 01	3.9675551 01
1.2100005 02	1.3921808 00	2.6767024 01	2.8159205 01
1.2200005 02	9.0535027-01	2.1738132 01	2.2643482 01
1.2300005 02	6.4911821-01	1.8805009 01	1.9454126 01
1.2500005 02	4.0068028-01	1.5540051 01	1.5940731 01
1.2700005 02	2.8908675-01	1.3747418 01	1.4036505 01
1.2900005 02	2.3111027-01	1.2585964 01	1.2817074 01
1.3000005 02	2.1290881-01	1.2136236 01	1.2349144 01
1.3100005 02	1.9973455-01	1.1743925 01	1.1943660 01
1.3200005 02	1.9112106-01	1.1394234 01	1.1585354 01
1.3300005 02	1.8832125-01	1.1074923 01	1.1263245 01
1.3400005 02	2.1209586-01	1.0772176 01	1.0984271 01
1.3450005 02	4.1469843-01	1.0634803 01	1.1049502 01
1.3500005 02	1.7356970 00	1.0619492 01	1.2355189 01
1.3520005 02	2.9376421 00	1.0702573 01	1.3640216 01
1.3550005 02	5.3390030 00	1.0934486 01	1.6273489 01
1.3570005 02	6.8564560 00	1.1111585 01	1.7968040 01
1.3580005 02	7.4147079 00	1.1185003 01	1.8599710 01
1.3590005 02	7.7700249 00	1.1238122 01	1.9008146 01
1.3600005 02	7.8887952 00	1.1264793 01	1.9153588 01
1.3610005 02	7.7585945 00	1.1261202 01	1.9019796 01
1.3620005 02	7.3934508 00	1.1226784 01	1.8620235 01
1.3630005 02	6.8281101 00	1.1163732 01	1.7991842 01
1.3650005 02	5.3073610 00	1.0972257 01	1.6279618 01
1.3680005 02	2.9200228 00	1.0625409 01	1.3545432 01
1.3700005 02	1.7289797 00	1.0421648 01	1.2150628 01
1.3750005 02	4.1579959-01	1.0101925 01	1.0517724 01
1.3800005 02	2.1056066-01	9.9376879 00	1.0148249 01
1.3900005 02	1.8670328-01	9.6962084 00	9.8829116 00
1.4000005 02	1.9274698-01	9.4779993 00	9.6707461 00
1.4100005 02	2.1060545-01	9.2729293 00	9.4835347 00
1.4200005 02	2.4800940-01	9.0870735 00	9.3350829 00
1.4300005 02	3.3670649-01	8.9603206 00	9.2970270 00
1.4400005 02	7.5673022-01	9.3819453 00	1.0138675 01
1.4450005 02	2.4775182 00	1.2589012 01	1.5066529 01
1.4500005 02	1.0544179 01	2.8990972 01	3.9535152 01
1.4520005 02	1.6991727 01	4.2397725 01	5.9389451 01
1.4550005 02	2.8991772 01	6.7712518 01	9.6704290 01
1.4570005 02	3.6224924 01	8.3257272 01	1.1948219 02
1.4580005 02	3.8841150 01	8.9005384 01	1.2784654 02
1.4590005 02	4.0492864 01	9.2763810 01	1.3325668 02
1.4600005 02	4.1040791 01	9.4223452 01	1.3526424 02
1.4610008 02	4.0438345 01	9.3267814 01	1.3370616 02
1.4620005 02	3.8739990 01	8.9992263 01	1.2873225 02
1.4630005 02	3.6088989 01	8.4681267 01	1.2077026 02
1.4650005 02	2.8834690 01	6.9808852 01	9.8643542 01
1.4680005 02	1.6899491 01	4.4872925 01	6.1772415 01
1.4700005 02	1.0512138 01	3.1335089 01	4.1847227 01
1.4750005 02	2.5144905 00	1.4012271 01	1.6526761 01
1.4800005 02	7.9735064-01	9.9944024 00	1.0791753 01
1.4900005 02	3.9929704-01	8.6736082 00	9.0729052 00
1.5000005 02	3.4528159-01	8.2204575 00	8.5657389 00
1.5100005 02	3.5790521-01	7.9719330 00	8.3298382 00
1.5200005 02	4.2074374-01	7.9158974 00	8.3366411 00
1.5300005 02	5.6429425-01	8.2605052 00	8.8247994 00
1.5400005 02	9.1949615-01	9.9118651 00	1.0831361 01
1.5500005 02	2.3766287 00	2.0033179 01	2.2409808 01
1.5550005 02	5.6571531 00	4.7370240 01	5.3027393 01
1.5600005 02	1.5073263 01	1.3213818 02	1.4721144 02
1.5620005 02	2.1107135 01	1.8849621 02	2.0960334 02
1.5650005 02	3.1090787 01	2.8468629 02	3.1577708 02
1.5670005 02	3.6650426 01	3.4080977 02	3.7746019 02
1.5700005 02	4.0210391 01	3.8265675 02	4.2286714 02

TABLE IV (Continued)

T = 0.2 ev

E_n(ev)	σ_γ(barns)	σ_S(barns)	σ_T(barns)
1.5730005 02	3.6513932 01	3.5662692 02	3.9314086 02
1.5750005 02	3.0914501 01	3.0837536 02	3.3928986 02
1.5780005 02	2.0956839 01	2.1807121 02	2.3902805 02
1.5800005 02	1.4968837 01	1.6201757 02	1.7698641 02
1.5850005 02	5.6367284 00	7.1513354 01	7.7150082 01
1.5900005 02	2.3724056 00	3.7663603 01	4.0036008 01
1.6000005 02	9.2091372-01	2.0537517 01	2.1458430 01
1.6200005 02	4.2918089-01	1.3042077 01	1.3471258 01
1.6400005 02	3.2684278-01	1.0528849 01	1.0855692 01
1.6600005 02	3.1044207-01	9.1381165 00	9.4485584 00
1.6800005 02	3.3902080-01	8.1355416 00	8.4745623 00
1.7000005 02	4.2555098-01	7.2480024 00	7.6735533 00
1.7100005 02	5.1779278-01	6.7755841 00	7.2933769 00
1.7200005 02	7.1020349-01	6.2167045 00	6.9269079 00
1.7300005 02	1.8523960 00	5.9749970 00	7.8273930 00
1.7350005 02	7.1641323 00	9.8922292 00	1.7056361 01
1.7400005 02	2.8686719 01	2.9800013 01	5.8486732 01
1.7420005 02	4.3969036 01	4.4884579 01	8.8853616 01
1.7450005 02	7.0813171 01	7.2655791 01	1.4346897 02
1.7470005 02	8.6716220 01	9.0169650 01	1.7688587 02
1.7480005 02	9.1911716 01	9.6443855 01	1.8835557 02
1.7490005 02	9.5559588 01	1.0127971 02	1.9683930 02
1.7500005 02	9.7200883 01	1.0428950 02	2.0149038 02
1.7510005 02	9.5870515 01	1.0442058 02	2.0029110 02
1.7520005 02	9.2551572 01	1.0258468 02	1.9513625 02
1.7530005 02	8.7809567 01	9.9456135 01	1.8726570 02
1.7550005 02	7.3330789 01	8.8645661 01	1.6197645 02
1.7580005 02	5.0545729 01	7.3742035 01	1.2428777 02
1.7600005 02	3.9543343 01	7.0805599 01	1.1034894 02
1.7620005 02	3.3455403 01	7.5553464 01	1.0900887 02
1.7650005 02	3.2566489 01	9.4350543 01	1.2691703 02
1.7670005 02	3.4442216 01	1.0857267 02	1.4301488 02
1.7690005 02	3.5702381 01	1.1839778 02	1.5410017 02
1.7700005 02	3.5615333 01	1.2047357 02	1.5608890 02
1.7710005 02	3.4904916 01	1.2031164 02	1.5521656 02
1.7730005 02	3.1623569 01	1.1335855 02	1.4498213 02
1.7750005 02	2.6411398 01	9.9296476 01	1.2570788 02
1.7780005 02	1.7389511 01	7.2528800 01	8.9918310 01
1.7800005 02	1.2078494 01	5.5903485 01	6.7981978 01
1.7850005 02	4.2227821 00	2.9998528 01	3.4221310 01
1.7900005 02	1.9653611 00	2.2026580 01	2.3991941 01
1.8000005 02	1.5089833 00	2.1510133 01	2.3019116 01
1.8100005 02	1.7715780 00	2.6182154 01	2.7953732 01
1.8200005 02	2.3918766 00	3.6427552 01	3.8819428 01
1.8300005 02	3.6608998 00	5.8646517 01	6.2307416 01
1.8400005 02	6.6883983 00	1.1584161 02	1.2253000 02
1.8500005 02	1.7103971 01	3.2992885 02	3.4703282 02
1.8600005 02	5.8863215 01	1.2540941 03	1.3129573 03
1.8650005 02	9.1226992 01	2.0083326 03	2.0995596 03
1.8700005 02	1.0661122 02	2.4114192 03	2.5180304 03
1.8750005 02	9.0727082 01	2.1096880 03	2.2004151 03
1.8800005 02	5.8345700 01	1.4047114 03	1.4630571 03
1.8900005 02	1.6915527 01	4.5448079 02	4.7139632 02
1.9000005 02	6.5531746 00	2.0040015 02	2.0695332 02
1.9200005 02	2.2363569 00	8.5138024 01	8.7374381 01
1.9400005 02	1.1638008 00	5.3106814 01	5.4270614 01
1.9600005 02	7.3800051-01	3.8975550 01	3.9713551 01
1.9800005 02	5.2907964-01	3.1203313 01	3.1732393 01
2.0000005 02	4.1462521-01	2.6311037 01	2.6725661 01
2.0200005 02	3.4937738-01	2.2927186 01	2.3276563 01
2.0400005 02	3.1426308-01	2.0411962 01	2.0726224 01
2.0500005 02	3.0529532-01	1.9368669 01	1.9673964 01
2.0600005 02	3.0150995-01	1.8430469 01	1.8731979 01

TABLE IV (Continued)

T = 0.2 ev

E_n(ev)	σ_γ(barns)	σ_S(barns)	σ_T(barns)
2.0800005 02	3.1012625-01	1.6795195 01	1.7105322 01
2.1000005 02	3.4622396-01	1.5406964 01	1.5753188 01
2.1100005 02	3.7980897-01	1.4797413 01	1.5177222 01
2.1200005 02	4.2978223-01	1.4256560 01	1.4686342 01
2.1300005 02	5.0552728-01	1.3815190 01	1.4320717 01
2.1400005 02	6.2929049-01	1.3541928 01	1.4171219 01
2.1500005 02	1.1292735 00	1.3617240 01	1.4746514 01
2.1550005 02	2.7065085 00	1.4049750 01	1.6756259 01
2.1600005 02	7.3178379 00	1.5249159 01	2.2566997 01
2.1630005 02	1.1656477 01	1.6502719 01	2.8159196 01
2.1650005 02	1.4627085 01	1.7535348 01	3.2162433 01
2.1670005 02	1.7087891 01	1.8669747 01	3.5757637 01
2.1680005 02	1.7969399 01	1.9258388 01	3.7227786 01
2.1690005 02	1.8549667 01	1.9854598 01	3.8404265 01
2.1700005 02	1.8795997 01	2.0456502 01	3.9252498 01
2.1710005 02	1.8698416 01	2.1066463 01	3.9764879 01
2.1720005 02	1.8270291 01	2.1691889 01	3.9962180 01
2.1730005 02	1.7546469 01	2.2345588 01	3.9892057 01
2.1750005 02	1.5429206 01	2.3816263 01	3.9245468 01
2.1770005 02	1.2859103 01	2.5689549 01	3.8548651 01
2.1800005 02	9.2777938 00	2.9959820 01	3.9237613 01
2.1850005 02	6.7079554 00	4.5977062 01	5.2685018 01
2.1900005 02	9.9133792 00	9.3308828 01	1.0322221 02
2.1950005 02	2.1849946 01	2.2885269 02	2.5070264 02
2.2000005 02	4.7273840 01	5.2683349 02	5.7410733 02
2.2050005 02	8.0161886 01	9.3191132 02	1.0120732 03
2.2100005 02	9.6298243 01	1.1593468 03	1.2556451 03
2.2150005 02	7.9806700 01	9.9853620 02	1.0783429 03
2.2200005 02	4.6948135 01	6.2134713 02	6.6829527 02
2.2300005 02	9.5024586 00	1.6141008 02	1.7091253 02
2.2400005 02	3.0080097 00	7.1369751 01	7.4377760 01
2.2500005 02	1.5895787 00	4.8347662 01	4.9937240 01
2.2700005 02	7.3682665-01	3.2166645 01	3.2903472 01
2.3000005 02	3.9518559-01	2.3811543 01	2.4206728 01
2.3200005 02	3.1516694-01	2.1088371 01	2.1403538 01
2.3400005 02	2.7843872-01	1.9255155 01	1.9533594 01
2.3500005 02	2.7028157-01	1.8542502 01	1.8812783 01
2.3600005 02	2.6757111-01	1.7930287 01	1.8197857 01
2.3800005 02	2.7750044-01	1.6955717 01	1.7233217 01
2.4000005 02	3.1048776-01	1.6298472 01	1.6608959 01
2.4200005 02	3.7736633-01	1.6058291 01	1.6435657 01
2.4400005 02	5.0655432-01	1.6606059 01	1.7112613 01
2.4500005 02	6.1503984-01	1.7479898 01	1.8094938 01
2.4600005 02	7.7728835-01	1.9147563 01	1.9924852 01
2.4700005 02	1.0339904 00	2.2304350 01	2.3338340 01
2.4500005 02	6.1503984-01	1.7479898 01	1.8094938 01
2.4600005 02	7.7728835-01	1.9147563 01	1.9924852 01
2.4700005 02	1.0339904 00	2.2304350 01	2.3338340 01
2.4800005 02	1.4751225 00	2.8568239 01	3.0043362 01
2.4900005 02	2.3385410 00	4.2445539 01	4.4784080 01
2.5000005 02	4.4813121 00	8.1168563 01	8.5649874 01
2.5100005 02	1.2256251 01	2.3849777 02	2.5075402 02
2.5150005 02	2.2392284 01	4.5617883 02	4.7857111 02
2.5200005 02	3.8298262 01	8.1108921 02	8.4938746 02
2.5230005 02	4.8875426 01	1.0555922 03	1.1044676 03
2.5250005 02	5.5069503 01	1.2037551 03	1.2588246 03
2.5270005 02	5.9709765 01	1.3203270 03	1.3800367 03
2.5280005 02	6.1244581 01	1.3619837 03	1.4232283 03
2.5290005 02	6.2177137 01	1.3906003 03	1.4527774 03

TABLE IV (Continued) T = 0.2 ev

E_n(ev)	σ_γ(barns)	σ_S(barns)	σ_T(barns)
2.5300005 02	6.2473798 01	1.4052520 03	1.4677258 03
2.5310005 02	6.2123829 01	1.4055144 03	1.4676385 03
2.5320005 02	6.1140398 01	1.3914954 03	1.4526358 03
2.5330005 02	5.9559332 01	1.3638179 03	1.4233773 03
2.5350005 02	5.4847268 01	1.2722895 03	1.3271368 03
2.5370005 02	4.8615447 01	1.1439749 03	1.1925903 03
2.5400005 02	3.8041635 01	9.1790738 02	9.5594902 02
2.5450005 02	2.2223995 01	5.6714517 02	5.8936917 02
2.5500005 02	1.2163106 01	3.3565853 02	3.4782163 02
2.5600005 02	4.4281369 00	1.4812384 02	1.5255198 02
2.5700005 02	2.2918836 00	9.1721484 01	9.4013368 01

TABLE V
W CROSS SECTIONS
W Temperature = 0.5 ev

Neutron Energy, E_n(ev)	Radiative Capture Cross Section, σ (barns)	Scattering Cross Section, σ_S(barns)	Total Cross Section, σ_T(barns)
2.5300000-02	1.7380994 01	5.8999894 00	2.3280984 01
5.0000009-02	1.2404243 01	5.7478874 00	1.8152130 01
1.0000005-01	8.8300208 00	5.6655473 00	1.4495568 01
2.0000005-01	6.3298312 00	5.6153544 00	1.1945185 01
3.0000007-01	5.2418118 00	5.5904720 00	1.0832284 01
5.0000005-01	4.1826722 00	5.5553869 00	9.7380592 00
7.0000005-01	3.6496447 00	5.5252332 00	9.1748779 00
1.0000005 00	3.2197367 00	5.4811844 00	8.7009211 00
1.2000005 00	3.0579897 00	5.4509601 00	8.5089498 00
1.4000005 00	2.9584057 00	5.4192789 00	8.3776846 00
1.5000005 00	2.9273490 00	5.4027053 00	8.3300543 00
1.6000005 00	2.9075025 00	5.3855330 00	8.2930355 00
1.7000005 00	2.8984306 00	5.3676704 00	8.2661010 00
1.8000005 00	2.9000545 00	5.3490108 00	8.2490653 00
1.9000005 00	2.9126428 00	5.3294318 00	8.2420746 00
2.0000005 00	2.9368226 00	5.3087911 00	8.2456137 00
2.1000005 00	2.9736296 00	5.2869189 00	8.2605485 00
2.2000005 00	3.0245826 00	5.2636129 00	8.2881955 00
2.3000005 00	3.0918123 00	5.2386298 00	8.3304421 00
2.4000005 00	3.1782498 00	5.2116730 00	8.3899227 00
2.5000005 00	3.2879133 00	5.1823766 00	8.4702900 00
2.6000005 00	3.4263459 00	5.1502870 00	8.5766329 00
2.7000005 00	3.6012939 00	5.1148297 00	8.7161236 00
2.8000005 00	3.8237898 00	5.0752731 00	8.8990629 00
2.9000005 00	4.1099478 00	5.0306686 00	9.1406164 00
3.0000005 00	4.4840710 00	4.9797666 00	9.4638375 00
3.1000005 00	4.9843359 00	4.9208945 00	9.9052305 00
3.2000005 00	5.6739361 00	4.8517790 00	1.0525715 01
3.3000005 00	6.6652328 00	4.7693037 00	1.1434537 01
3.4000005 00	8.1810269 00	4.6693388 00	1.2850365 01
3.5000005 00	1.0803223 01	4.5493570 00	1.5352580 01
3.6000005 00	1.6827871 01	4.4389644 00	2.1266836 01
3.7000005 00	3.7113689 01	4.5999451 00	4.1713635 01
3.8000005 00	1.0985232 02	6.1929045 00	1.1604522 02
3.9000005 00	3.0267785 02	1.1695850 01	3.1437370 02
3.9500005 00	4.5101706 02	1.6431171 01	4.6744824 02
4.0000005 00	6.1401964 02	2.2044113 01	6.3606375 02
4.0500005 00	7.5962190 02	2.7569367 01	7.8719127 02
4.1000005 00	8.5220967 02	3.1789810 01	8.8399948 02
4.1300005 00	8.7116690 02	3.3254196 01	9.0442109 02
4.1400005 00	8.7076807 02	3.3531616 01	9.0429969 02
4.1500005 00	8.6700266 02	3.3699555 01	9.0070222 02
4.2000005 00	8.0097849 02	3.2926582 01	8.3390507 02
4.2500005 00	6.7371774 02	2.9864151 01	7.0358190 02
4.3000005 00	5.1799395 02	2.5448136 01	5.4344207 02
4.4000005 00	2.4023993 02	1.6546374 01	2.5678631 02
4.5000005 00	8.8023556 01	1.0975238 01	9.8998794 01
4.6000004 00	3.1588112 01	8.5202460 00	4.0108358 01
4.7000005 00	1.4723832 01	7.5508751 00	2.2274707 01
4.8000005 00	9.3607784 00	7.1054259 00	1.6466205 01
5.0000005 00	5.7358298 00	6.6673615 00	1.2403191 01
5.2000004 00	4.3231568 00	6.4365935 00	1.0759750 01
5.5000005 00	3.3982578 00	6.2410902 00	9.6393479 00
5.7000005 00	3.1182212 00	6.1613831 00	9.2796042 00
5.8000005 00	3.0355841 00	6.1308691 00	9.1664532 00
5.9000005 00	2.9828857 00	6.1051185 00	9.0880043 00
6.0000005 00	2.9570771 00	6.0833539 00	9.0404309 00
6.1000005 00	2.9571271 00	6.0649661 00	9.0220932 00
6.2000005 00	2.9840009 00	6.0494782 00	9.0334791 00
6.3000005 00	3.0410128 00	6.0365218 00	9.0775344 00
6.5000005 00	3.2769597 00	6.0173106 00	9.2942703 00
6.7000005 00	3.8141593 00	6.0081173 00	9.8222766 00
6.8000005 00	4.3841334 00	6.0136106 00	1.0397744 01

TABLE V (Continued) T = 0.5 ev

E_n(ev)	σ_γ(barns)	σ_S (barns)	σ_T(barns)
6.9000005 00	5.5867669 00	6.0467725 00	1.1633540 01
7.0000005 00	8.7113084 00	6.1804365 00	1.4891745 01
7.1000004 00	1.7175737 01	6.6221714 00	2.3797908 01
7.2000005 00	3.7424465 01	7.7864356 00	4.5210901 01
7.3000005 00	7.6222374 01	1.0150063 01	8.6372438 01
7.4000004 00	1.3206079 02	1.3714619 01	1.4577541 02
7.4500005 00	1.6145225 02	1.5666443 01	1.7711869 02
7.5000005 00	1.8732385 02	1.7452229 01	2.0477608 02
7.5500005 00	2.0606015 02	1.8836022 01	2.2489617 02
7.5800005 00	2.1264501 02	1.9388807 01	2.3203382 02
7.6000005 00	2.1483519 02	1.9622414 01	2.3445760 02
7.6100005 00	2.1524647 02	1.9696678 01	2.3494315 02
7.6200005 00	2.1519827 02	1.9742016 01	2.3494028 02
7.6300005 00	2.1469176 02	1.9758385 01	2.3445014 02
7.6500005 00	2.1232383 02	1.9704529 01	2.3202835 02
7.6700005 00	2.0821180 02	1.9537916 01	2.2774972 02
7.7000004 00	1.9903269 02	1.9089779 01	2.1812247 02
7.7500005 00	1.7713748 02	1.7894879 01	1.9503235 02
7.8000005 00	1.4989684 02	1.6312813 01	1.6620965 02
7.9000005 00	9.3124808 01	1.2849594 01	1.0597440 02
8.0000005 00	4.9192416 01	1.0048296 01	5.9240712 01
8.1000004 00	2.3545621 01	8.3465655 00	3.1892186 01
8.3000005 00	6.6502136 00	7.1593200 00	1.3809534 01
8.5000005 00	3.9861498 00	6.9705926 00	1.0956742 01
8.7000003 00	3.3360338 00	6.9635057 00	1.0299539 01
8.9000005 00	3.0628631 00	7.0110921 00	1.0073955 01
9.0000005 00	2.9849762 00	7.0473431 00	1.0032320 01
9.1000004 00	2.9310184 00	7.0902542 00	1.0021273 01
9.2000003 00	2.8947433 00	7.1391605 00	1.0033904 01
9.3000003 00	2.8719759 00	7.1936469 00	1.0065623 01
9.5000005 00	2.8562479 00	7.3184749 00	1.0174723 01
9.7000003 00	2.8692276 00	7.4639595 00	1.0333187 01
1.0000005 01	2.9263023 00	7.7218122 00	1.0648115 01
1.0500005 01	3.0937792 00	8.2684615 00	1.1362241 01
1.1000005 01	3.3357557 00	8.9916501 00	1.2327406 01
1.1500005 01	3.6524567 00	9.9435700 00	1.3596027 01
1.2000005 01	4.0558561 00	1.1200760 01	1.5256616 01
1.3000005 01	5.2239287 00	1.5134880 01	2.0358809 01
1.4000005 01	7.2106848 00	2.2588835 01	2.9799521 01
1.5000005 01	1.0965213 01	3.8281165 01	4.9246378 01
1.6000005 01	1.9491220 01	7.7880504 01	9.7371724 01
1.6500005 01	2.8686649 01	1.2369927 02	1.5238592 02
1.7000005 01	4.7482066 01	2.2225871 02	2.6974077 02
1.7500005 01	9.9562804 01	5.1075261 02	6.1031541 02
1.8000005 01	3.8115854 02	2.1680646 03	2.5492231 03
1.8200005 01	7.4531654 02	4.3650485 03	5.1103650 03
1.8400005 01	1.3215442 03	7.8876012 03	9.2091454 03
1.8500005 01	1.6392141 03	9.8512538 03	1.1490468 04
1.8600005 01	1.9174989 03	1.1591218 04	1.3508717 04
1.8700005 01	2.1053604 03	1.2792971 04	1.4898331 04
1.8800005 01	2.1646194 03	1.3216737 04	1.5381356 04
1.8900005 01	2.0832330 03	1.2780208 04	1.4863441 04
1.9000005 01	1.8794693 03	1.1586562 04	1.3466032 04
1.9100005 01	1.5949415 03	9.8842746 03	1.1479216 04
1.9200005 01	1.2802080 03	7.9803003 03	9.2605083 03
1.9300005 01	9.7990676 02	6.1489698 03	7.1288766 03
1.9500005 01	5.2229730 02	3.3289557 03	3.8512530 03
1.9700005 01	2.7319532 02	1.7655696 03	2.0387649 03
1.9800005 01	2.0478219 02	1.3243845 03	1.5291667 03
2.0000005 01	1.3237244 02	8.2184111 02	9.5421355 02
2.0200005 01	1.1578091 02	5.8535443 02	7.0113534 02
2.0300005 01	1.2966690 02	5.2435698 02	6.5402388 02
2.0400005 01	1.6545077 02	4.9613005 02	6.6158082 02
2.0500005 01	2.3114872 02	5.0270000 02	7.3384872 02

TABLE V (Continued) T = 0.5 ev

E_n(ev)	σ_γ(barns)	σ_S(barns)	σ_T(barns)
2.0600005 01	3.3393851 02	5.4720810 02	8.8114661 02
2.0700005 01	4.7583437 02	6.2982800 02	1.1056624 03
2.0800005 01	6.4902992 02	7.4359131 02	1.3926212 03
2.0900005 01	8.3339149 02	8.7197661 02	1.7053681 03
2.1000005 01	9.9859478 02	9.9024282 02	1.9888376 03
2.1100005 01	1.1116401 03	1.0711709 03	2.1828110 03
2.1150005 01	1.1401631 03	1.0905112 03	2.2306743 03
2.1200005 01	1.1473945 03	1.0934306 03	2.2408251 03
2.1250005 01	1.1329024 03	1.0793941 03	2.2122965 03
2.1300005 01	1.0975546 03	1.0489120 03	2.1464666 03
2.1400005 01	9.7357849 02	9.4539299 02	1.9189715 03
2.1500005 01	8.0216307 02	8.0323247 02	1.6053956 03
2.1700005 01	4.4233899 02	5.0201205 02	9.4435104 02
2.2000005 01	1.2217576 02	2.2240214 02	3.4457789 02
2.2500005 01	2.1262794 01	1.1258418 02	1.3384697 02
2.3000005 01	1.2020123 01	8.7475169 01	9.9495293 01
2.3500005 01	8.6451781 00	7.2691447 01	8.1336625 01
2.4000005 01	6.8081662 00	6.2427404 01	6.9235570 01
2.4500005 01	5.7633579 00	5.4940605 01	6.0703963 01
2.5000005 01	5.3331106 00	4.9458614 01	5.4791724 01
2.5500005 01	5.8848981 00	4.6048964 01	5.1933862 01
2.6000005 01	1.4095750 01	5.2963203 01	6.7058953 01
2.6500005 01	9.6212952 01	1.5668717 02	2.5290011 02
2.6800005 01	2.0886966 02	3.0340580 02	5.1227547 02
2.6900005 01	2.4162639 02	3.4654294 02	5.8816933 02
2.7000004 01	2.6337534 02	3.7548091 02	6.3885624 02
2.7100005 01	2.7035892 02	3.8520654 02	6.5556546 02
2.7200005 01	2.6137298 02	3.7402527 02	6.3539825 02
2.7300005 01	2.3810699 02	3.4403415 02	5.8214113 02
2.7500005 01	1.6615891 02	2.5014200 02	4.1630092 02
2.8000005 01	2.9327425 01	6.8786762 01	9.8114186 01
2.8500005 01	5.3778205 00	3.5039336 01	4.0417157 01
2.9000005 01	2.9062166 00	3.0144927 01	3.3051144 01
3.0000005 01	1.7344813 00	2.6176375 01	2.7910856 01
3.1000005 01	1.2901701 00	2.3759363 01	2.5049533 01
3.2000005 01	1.0453344 00	2.1971491 01	2.3016826 01
3.3000005 01	8.8857943-01	2.0556774 01	2.1445354 01
3.4000005 01	7.8135582-01	1.9398221 01	2.0179577 01
3.5000005 01	7.0676319-01	1.8429649 01	1.9136411 01
3.6000005 01	6.5668878-01	1.7610133 01	1.8266821 01
3.7000005 01	6.2781731-01	1.6914675 01	1.7542492 01
3.8000005 01	6.2106617-01	1.6331406 01	1.6952472 01
3.8500005 01	6.2842443-01	1.6082312 01	1.6710736 01
3.9000005 01	6.5221534-01	1.5865215 01	1.6517431 01
3.9500004 01	8.2807884-01	1.5690884 01	1.6518963 01
4.0000005 01	2.1722500 00	1.5590613 01	1.7762863 01
4.0300005 01	4.1317401 00	1.5567089 01	1.9698828 01
4.0500005 01	5.5450384 00	1.5549541 01	2.1094579 01
4.0600004 01	6.0930571 00	1.5535856 01	2.1628913 01
4.0700005 01	6.4490305 00	1.5517994 01	2.1967025 01
4.0800005 01	6.5704132 00	1.5496323 01	2.2066736 01
4.0900005 01	6.4436614 00	1.5472088 01	2.1915750 01
4.1000005 01	6.0876079 00	1.5447286 01	2.1534894 01
4.1100005 01	5.5486692 00	1.5424329 01	2.0972997 01
4.1300005 01	4.1841023 00	1.5393359 01	1.9577461 01
4.1400005 01	3.4935761 00	1.5389077 01	1.8882654 01
4.1500005 01	2.8686191 00	1.5393766 01	1.8262385 01
4.1600005 01	2.3402836 00	1.5407834 01	1.7748117 01
4.1800005 01	1.6086380 00	1.5463944 01	1.7072583 01
4.2000005 01	1.2480423 00	1.5556114 01	1.6804156 01
4.2500005 01	1.1397496 00	1.5956043 01	1.7095793 01
4.3000005 01	1.3540887 00	1.6706984 01	1.8061073 01
4.3300005 01	1.5551987 00	1.7438610 01	1.8993808 01

TABLE V (Continued) T = 0.5 ev

E_n(ev)	σ_γ(barns)	σ_S(barns)	σ_T(barns)
4.3500005 01	1.7291032 00	1.8108344 01	1.9837447 01
4.4000005 01	2.3944673 00	2.0883422 01	2.3277889 01
4.4500005 01	3.8111457 00	2.7414439 01	3.1225584 01
4.5000005 01	8.4385964 00	5.0839702 01	5.9278299 01
4.5500005 01	2.9559126 01	1.6360332 02	1.9316245 02
4.6000005 01	9.3074787 01	5.0957195 02	6.0264674 02
4.6300005 01	1.3941694 02	7.6389143 02	9.0330838 02
4.6500005 01	1.5764977 02	8.6305876 02	1.0207085 03
4.6600005 01	1.6034309 02	8.7606466 02	1.0364078 03
4.6700005 01	1.5847720 02	8.6234974 02	1.0208270 03
4.6800005 01	1.5247903 02	8.2345377 02	9.7593281 02
4.6900005 01	1.4323700 02	7.6333473 02	9.0657173 02
4.7000005 01	1.3196885 02	6.8772572 02	8.1969457 02
4.7200004 01	1.0875067 02	5.1652965 02	6.2528031 02
4.7300005 01	9.9172165 01	4.3331540 02	5.3248757 02
4.7400005 01	9.1986703 01	3.5799160 02	4.4997830 02
4.7500005 01	8.7427264 01	2.9329424 02	3.8072151 02
4.7600005 01	8.5276977 01	2.4034299 02	3.2561997 02
4.7700005 01	8.4941548 01	1.9888807 02	2.8382961 02
4.7800005 01	8.5574929 01	1.6767750 02	2.5325244 02
4.7900005 01	8.6237088 01	1.4486970 02	2.3110678 02
4.8000005 01	8.6056625 01	1.2840901 02	2.1446564 02
4.8100005 01	8.4368164 01	1.1632978 02	2.0069795 02
4.8200005 01	8.0804323 01	1.0696363 02	1.8776795 02
4.8300005 01	7.5326159 01	9.9048749 01	1.7437491 02
4.8500005 01	5.9890113 01	8.4633540 01	1.4452365 02
4.8700005 01	4.2152410 01	7.0560158 01	1.1271257 02
4.9000005 01	2.0175545 01	5.1887229 01	7.2062773 01
4.9500005 01	4.5588696 00	3.3804245 01	3.8363114 01
5.0000005 01	1.7804576 00	2.6817149 01	2.9597606 01
5.1000005 01	9.4388897-01	2.1314753 01	2.2258642 01
5.2000004 01	6.5035876-01	1.8709515 01	1.9359874 01
5.3000005 01	4.9512199-01	1.7152676 01	1.7647798 01
5.5000005 01	3.3930588-01	1.5340785 01	1.5680092 01
5.7000005 01	2.6427225-01	1.4278222 01	1.4542495 01
5.9000005 01	2.2165597-01	1.3547500 01	1.3769156 01
6.0000005 01	2.0705761-01	1.3253306 01	1.3460363 01
6.1000005 01	1.9572971-01	1.2990930 01	1.3186660 01
6.2000005 01	1.8766992-01	1.2751833 01	1.2939503 01
6.2500005 01	1.8531635-01	1.2638321 01	1.2823637 01
6.3000005 01	1.8509819-01	1.2526801 01	1.2711899 01
6.4000005 01	3.1177939-01	1.2297735 01	1.2609514 01
6.4500004 01	1.0371220 00	1.2193291 01	1.3230413 01
6.5000005 01	3.2395574 00	1.2183816 01	1.5423373 01
6.5200004 01	4.4025528 00	1.2224850 01	1.6627403 01
6.5400005 01	5.4104835 00	1.2283484 01	1.7693968 01
6.5500005 01	5.7692399 00	1.2314184 01	1.8083424 01
6.5600003 01	5.9924314 00	1.2342346 01	1.8334777 01
6.5700005 01	6.0623895 00	1.2365397 01	1.8427787 01
6.5800005 01	5.9738266 00	1.2381138 01	1.8354965 01
6.5900004 01	5.7341644 00	1.2387987 01	1.8122151 01
6.6000005 01	5.3627825 00	1.2385130 01	1.7747911 01
6.6200005 01	4.3440211 00	1.2351045 01	1.6695065 01
6.6500005 01	2.6368814 00	1.2248066 01	1.4884947 01
6.7000005 01	7.8362170-01	1.2050397 01	1.2834019 01
6.8000005 01	1.6701364-01	1.1806824 01	1.1973837 01
7.0000005 01	1.4223896-01	1.1499124 01	1.1641363 01
7.2000005 01	1.3490970-01	1.1235714 01	1.1370624 01
7.4000005 01	1.3034149-01	1.0993416 01	1.1123758 01
7.6000005 01	1.2733676-01	1.0764578 01	1.0891916 01
7.8000005 01	1.2555840-01	1.0544441 01	1.0669999 01
8.0000005 01	1.2491220-01	1.0329290 01	1.0454203 01
8.2000005 01	1.2543774-01	1.0115839 01	1.0241277 01
8.4000005 01	1.2730143-01	9.9008657 00	1.0028167 01

TABLE V (Continued) T = 0.5 ev

E_n(ev)	σ_γ(barns)	σ_S(barns)	σ_T(barns)
8.6000005 01	1.3084170-01	9.6809277 00	9.8117694 00
8.8000005 01	1.3668613-01	9.4520557 00	9.5887418 00
9.0000005 01	1.4602566-01	9.2093762 00	9.3554019 00
9.2000005 01	1.6131492-01	8.9467360 00	9.1080508 00
9.4000005 01	1.8837516-01	8.6570982 00	8.8454733 00
9.5000005 01	2.1068143-01	8.5009636 00	8.7116449 00
9.6000005 01	2.4452948-01	8.3399040 00	8.5844333 00
9.7000005 01	3.0071848-01	8.1855381 00	8.4862565 00
9.8000005 01	4.0850611-01	8.0858048 00	8.4943109 00
9.9000005 01	7.0127522-01	8.3683974 00	9.0696725 00
1.0000005 02	3.1358442 00	1.5703975 01	1.8839819 01
1.0050005 02	9.3789532 00	3.7549694 01	4.6928647 01
1.0100005 02	2.3482860 01	8.9233591 01	1.1271645 02
1.0120005 02	3.0978980 01	1.1739392 02	1.4837291 02
1.0150005 02	4.1984650 01	1.5968931 02	2.0167396 02
1.0170005 02	4.7579707 01	1.8201612 02	2.2959583 02
1.0180005 02	4.9463881 01	1.8992049 02	2.3938437 02
1.0190005 02	5.0611223 01	1.9514227 02	2.4575349 02
1.0200005 02	5.0966766 01	1.9744637 02	2.4841313 02
1.0210005 02	5.0514237 01	1.9673979 02	2.4725403 02
1.0220005 02	4.9276884 01	1.9307688 02	2.4235376 02
1.0230005 02	4.7316014 01	1.8665601 02	2.3397202 02
1.0250005 02	4.1624914 01	1.6693693 02	2.0856184 02
1.0280005 02	3.0633324 01	1.2729323 02	1.5792655 02
1.0300005 02	2.3223000 01	9.9936957 01	1.2315996 02
1.0350005 02	9.3585414 00	4.7480944 01	5.6839485 01
1.0400005 02	3.2014169 00	2.3157182 01	2.6358599 01
1.0500005 02	7.7388834-01	1.2324351 01	1.3098239 01
1.0600005 02	5.1370890-01	1.0433389 01	1.0947098 01
1.0700005 02	4.4961309-01	9.5376420 00	9.9872550 00
1.0800005 02	4.4920094-01	8.9683783 00	9.4175792 00
1.0900005 02	4.9082428-01	8.5748478 00	9.0656721 00
1.1000005 02	5.7728714-01	8.3276179 00	8.9049050 00
1.1100005 02	7.3053540-01	8.2823870 00	9.0129224 00
1.1200005 02	1.0086420 00	8.6517856 00	9.6604276 00
1.1300005 02	1.5802367 00	1.0167268 01	1.1747504 01
1.1400005 02	3.2986619 00	1.7283023 01	2.0581685 01
1.1500005 02	1.5451403 01	8.6012470 01	1.0146387 02
1.1550005 02	3.9134113 01	2.3041719 02	2.6955130 02
1.1580005 02	6.3492783 01	3.8275872 02	4.4625150 02
1.1600005 02	8.3456800 01	5.0945336 02	5.9291016 02
1.1620005 02	1.0483802 02	6.4688520 02	7.5172321 02
1.1640005 02	1.2545795 02	7.8151874 02	9.0697669 02
1.1650005 02	1.3467492 02	8.4267446 02	9.7734938 02
1.1660005 02	1.4272422 02	8.9689932 02	1.0396235 03
1.1670005 02	1.4930457 02	9.4222273 02	1.0915273 03
1.1680005 02	1.5416011 02	9.7694351 02	1.1311036 03
1.1690005 02	1.5709719 02	9.9973622 02	1.1568334 03
1.1700005 02	1.5799728 02	1.0097395 03	1.1677367 03
1.1710005 02	1.5682562 02	1.0066167 03	1.1634423 03
1.1720005 02	1.5363295 02	9.9057284 02	1.1442058 03
1.1730005 02	1.4855174 02	9.6233786 02	1.1108896 03
1.1740005 02	1.4178777 02	9.2311852 02	1.0649063 03
1.1750005 02	1.3360431 02	8.7450338 02	1.0081077 03
1.1760005 02	1.2430731 02	8.1837184 02	9.4267915 02
1.1780005 02	1.0368282 02	6.9174090 02	7.9542371 02
1.1800005 02	8.2463031 01	5.5934609 02	6.4180912 02
1.1820005 02	6.2749686 01	4.3476478 02	4.9751447 02
1.1850005 02	3.8768831 01	2.8103181 02	3.1980064 02
1.1900005 02	1.5415224 01	1.2769734 02	1.4311257 02
1.2000005 02	3.2568809 00	4.2581340 01	4.5838221 01
1.2100005 02	1.5225728 00	2.7853131 01	2.9375703 01
1.2200005 02	9.5122703-01	2.2151991 01	2.3103219 01

TABLE V (Continued) T = 0.5 ev

E_n(ev)	σ_γ(barns)	σ_S(barns)	σ_T(barns)
1.2300005 02	6.6982235-01	1.9004752 01	1.9674574 01
1.2500005 02	4.0689013-01	1.5607022 01	1.6013913 01
1.2700005 02	2.9161751-01	1.3776906 01	1.4068524 01
1.2900005 02	2.3240153-01	1.2601046 01	1.2833447 01
1.3000005 02	2.1393775-01	1.2147344 01	1.2361282 01
1.3100005 02	2.0069330-01	1.1752093 01	1.1952787 01
1.3200005 02	1.9243160-01	1.1399904 01	1.1592335 01
1.3300005 02	2.0353200-01	1.1078648 01	1.1282180 01
1.3400005 02	5.4765637-01	1.0807667 01	1.1355323 01
1.3450005 02	1.3153188 00	1.0747744 01	1.2063063 01
1.3500005 02	2.7486940 00	1.0788034 01	1.3536728 01
1.3520005 02	3.4432995 00	1.0829899 01	1.4273198 01
1.3550005 02	4.3864199 00	1.0894209 01	1.5280629 01
1.3570005 02	4.8416881 00	1.0925417 01	1.5767105 01
1.3580005 02	4.9867849 00	1.0932275 01	1.5919059 01
1.3590005 02	5.0897141 00	1.0934934 01	1.6024649 01
1.3600005 02	5.1280059 00	1.0930825 01	1.6058831 01
1.3610005 02	5.0831923 00	1.0916715 01	1.5999908 01
1.3620005 02	4.9726908 00	1.0893731 01	1.5866421 01
1.3630005 02	4.8197256 00	1.0864781 01	1.5684506 01
1.3650005 02	4.3595982 00	1.0786143 01	1.5145740 01
1.3680005 02	3.4083488 00	1.0624103 01	1.4032451 01
1.3700005 02	2.7264010 00	1.0502826 01	1.3229227 01
1.3750005 02	1.3067707 00	1.0211675 01	1.1518445 01
1.3800005 02	5.4759098-01	9.9889280 00	1.0536519 01
1.3900005 02	2.0369950-01	9.7023884 00	9.9060879 00
1.4000005 02	1.9563307-01	9.4805852 00	9.6762183 00
1.4100005 02	2.1543175-01	9.2771569 00	9.4925885 00
1.4200005 02	2.6190615-01	9.1034413 00	9.3653474 00
1.4300005 02	4.9136209-01	9.2470980 00	9.7384599 00
1.4400005 02	2.9635609 00	1.3929937 01	1.6893498 01
1.4450005 02	7.4954558 00	2.3162432 01	3.0657887 01
1.4500005 02	1.5172482 01	3.9158671 01	5.4331153 01
1.4520005 02	1.8658663 01	4.6520057 01	6.5178720 01
1.4550005 02	2.3365872 01	5.6583264 01	7.9949136 01
1.4570005 02	2.5620927 01	6.1507474 01	8.7128401 01
1.4580005 02	2.6363587 01	6.3176621 01	8.9540208 01
1.4590005 02	2.6812550 01	6.4235512 01	9.1048062 01
1.4600005 02	2.6952146 01	6.4648039 01	9.1600184 01
1.4610008 02	2.6777631 01	6.4400956 01	9.1178586 01
1.4620005 02	2.6296014 01	6.3505555 01	8.9801569 01
1.4630005 02	2.5524128 01	6.1994120 01	8.7518248 01
1.4650005 02	2.3227463 01	5.7359715 01	8.0587178 01
1.4680005 02	1.8508421 01	4.7628441 01	6.6136862 01
1.4700005 02	1.5045039 01	4.0396823 01	5.5441861 01
1.4750005 02	7.4692620 00	2.4365743 01	3.1835005 01
1.4800005 02	3.0083646 00	1.4713876 01	1.7722241 01
1.4900005 02	5.6365893-01	9.0549192 00	9.6185781 00
1.5000005 02	3.6381730-01	8.2753087 00	8.6391259 00
1.5100005 02	3.7096132-01	8.0214907 00	8.3924520 00
1.5200005 02	4.4237134-01	8.0242154 00	8.4665866 00
1.5300005 02	6.2727311-01	8.6658872 00	9.2931603 00
1.5400005 02	1.3076452 00	1.3066862 01	1.4374508 01
1.5500005 02	5.1176624 00	4.5176346 01	5.0294009 01
1.5550005 02	1.0292245 01	9.2033724 01	1.0232597 02
1.5600005 02	1.7842808 01	1.6308906 02	1.8093187 02
1.5620005 02	2.1030404 01	1.9399339 02	2.1502379 02
1.5650005 02	2.5181961 01	2.3554155 02	2.6072351 02
1.5670005 02	2.7119390 01	2.5609259 02	2.8321197 02
1.5700005 02	2.8244513 01	2.7079232 02	2.9903683 02
1.5730005 02	2.7018380 01	2.6349071 02	2.9050909 02
1.5750005 02	2.5032020 01	2.4732738 02	2.7235941 02
1.5780005 02	2.0850375 01	2.1091043 02	2.3176080 02
1.5800005 02	1.7670993 01	1.8225297 02	1.9992396 02

TABLE V (Continued) T = 0.5 ev

E_n(ev)	σ_γ(barns)	σ_S(barns)	σ_T(barns)
1.5850005 02	1.0197116 01	1.1278750 02	1.2298461 02
1.5900005 02	5.0953718 00	6.3559904 01	6.8655277 01
1.6000005 02	1.3172207 00	2.4701014 01	2.6018234 01
1.6200005 02	4.4949026-01	1.3306118 01	1.3755608 01
1.6400005 02	3.3203566-01	1.0594825 01	1.0926860 01
1.6600005 02	3.1336620-01	9.1611295 00	9.4744957 00
1.6800005 02	3.4284608-01	8.1417071 00	8.4845531 00
1.7000005 02	4.3730332-01	7.2378348 00	7.6751382 00
1.7100005 02	5.6236060-01	6.7609662 00	7.3233268 00
1.7200005 02	1.3474020 00	6.6662044 00	8.0136063 00
1.7300005 02	8.8416431 00	1.2700843 01	2.1542486 01
1.7350005 02	2.0467019 01	2.3712494 01	4.4179512 01
1.7400005 02	3.8219950 01	4.1827938 01	8.0047888 01
1.7420005 02	4.5918177 01	5.0211814 01	9.6129992 01
1.7450005 02	5.6312593 01	6.2492953 01	1.1880555 02
1.7470005 02	6.1576007 01	6.9716418 01	1.3129243 02
1.7480005 02	6.3511298 01	7.2874375 01	1.3638568 02
1.7490005 02	6.4922342 01	7.5683082 01	1.4060542 02
1.7500005 02	6.5786051 01	7.8128054 01	1.4391411 02
1.7510005 02	6.6097689 01	8.0211807 01	1.4630950 02
1.7520005 02	6.5875324 01	8.1957186 01	1.4783251 02
1.7530005 02	6.5153578 01	8.3400303 01	1.4855388 02
1.7550005 02	6.2432564 01	8.5585299 01	1.4801787 02
1.7580005 02	5.6174510 01	8.7921367 01	1.4409588 02
1.7600005 02	5.1351133 01	8.9339851 01	1.4069099 02
1.7620005 02	4.6544522 01	9.0796516 01	1.3734104 02
1.7650005 02	3.9992891 01	9.2727019 01	1.3271991 02
1.7670005 02	3.6197114 01	9.3302643 01	1.2949976 02
1.7690005 02	3.2766808 01	9.2750109 01	1.2551692 02
1.7700005 02	3.1139889 01	9.1917348 01	1.2305724 02
1.7710005 02	2.9545789 01	9.0664627 01	1.2021041 02
1.7730005 02	2.6396291 01	8.6847903 01	1.1324420 02
1.7750005 02	2.3241307 01	8.1362198 01	1.0460350 02
1.7780005 02	1.8505204 01	7.0732010 01	8.9237214 01
1.7800005 02	1.5445489 01	6.2793423 01	7.8238912 01
1.7850005 02	8.8790760 00	4.3980969 01	5.2860046 01
1.7900005 02	4.6481791 00	3.1060406 01	3.5708584 01
1.8000005 02	1.8735297 00	2.3554451 01	2.5427981 01
1.8100005 02	1.8934679 00	2.7982028 01	2.9875496 01
1.8200005 02	2.6049230 00	4.0385899 01	4.2990821 01
1.8300005 02	4.2892562 00	7.1326413 01	7.5615669 01
1.8400005 02	9.2949737 00	1.7202027 02	1.8131524 02
1.8500005 02	2.5623389 01	5.2458475 02	5.5020814 02
1.8600005 02	5.9480986 01	1.2940299 03	1.3535109 03
1.8650005 02	7.5131609 01	1.6693952 03	1.7445267 03
1.8700005 02	8.1210915 01	1.8391663 03	1.9203771 03
1.8750005 02	7.4722214 01	1.7255734 03	1.8002956 03
1.8800005 02	5.8905025 01	1.3915264 03	1.4504314 03
1.8900005 02	2.5309894 01	6.4075197 02	6.6606186 02
1.9000005 02	9.1620496 00	2.6161382 02	2.7077587 02
1.9200005 02	2.4424575 00	9.0480145 01	9.2922603 01
1.9400005 02	1.2095153 00	5.4375872 01	5.5585388 01
1.9600005 02	7.5391917-01	3.9441143 01	4.0195062 01
1.9800005 02	5.3615698-01	3.1417022 01	3.1953180 01
2.0000005 02	4.1837279-01	2.6423520 01	2.6841893 01
2.0200005 02	3.5171650-01	2.2991879 01	2.3343595 01
2.0400005 02	3.1604455-01	2.0451422 01	2.0767466 01
2.0500005 02	3.0700192-01	1.9400026 01	1.9707028 01
2.0600005 02	3.0326510-01	1.8455702 01	1.8758967 01
2.0800005 02	3.1243802-01	1.6812891 01	1.7125329 01
2.1000005 02	3.5024779-01	1.5424189 01	1.5774437 01
2.1100005 02	3.8570513-01	1.4819259 01	1.5204964 01
2.1200005 02	4.3930720-01	1.4289936 01	1.4729243 01

TABLE V (Continued) T 0.5 ev

E_n(ev)	σ_γ(barns)	σ_S(barns)	σ_T(barns)
2.1300005 02	5.3641720-01	1.3875858 01	1.4412275 01
2.1400005 02	9.1670483-01	1.3694898 01	1.4611605 01
2.1500005 02	2.9569770 00	1.4191678 01	1.7148655 01
2.1550005 02	5.3386441 00	1.5025188 01	2.0363832 01
2.1600005 02	8.4757252 00	1.6519585 01	2.4995310 01
2.1630005 02	1.0345991 01	1.7871018 01	2.8217009 01
2.1650005 02	1.1421252 01	1.9049712 01	3.0470965 01
2.1670005 02	1.2272869 01	2.0546502 01	3.2819371 01
2.1680005 02	1.2599589 01	2.1454697 01	3.4054286 01
2.1690005 02	1.2853126 01	2.2498902 01	3.5352028 01
2.1700005 02	1.3036371 01	2.3708430 01	3.6744801 01
2.1710005 02	1.3148535 01	2.5118266 01	3.8266802 01
2.1720005 02	1.3197757 01	2.6771579 01	3.9969336 01
2.1730005 02	1.3189160 01	2.8719441 01	4.1908601 01
2.1750005 02	1.3049706 01	3.3753124 01	4.6802830 01
2.1770005 02	1.2846762 01	4.0839455 01	5.3686216 01
2.1800005 02	1.2758413 01	5.7160718 01	6.9919131 01
2.1850005 02	1.4662797 01	1.0897157 02	1.2363437 02
2.1900005 02	2.1265670 01	2.0874953 02	2.3001520 02
2.1950005 02	3.3478158 01	3.6709668 02	4.0056483 02
2.2000005 02	4.9095730 01	5.6400450 02	6.1310023 02
2.2050005 02	6.2640427 01	7.3997128 02	8.0261171 02
2.2100005 02	6.7938594 01	8.2186024 02	8.8979884 02
2.2150005 02	6.2282836 01	7.7285474 02	8.3513757 02
2.2200005 02	4.8425088 01	6.2039005 02	6.6881513 02
2.2300005 02	1.8980838 01	2.7286747 02	2.9184831 02
2.2400005 02	5.4892263 00	1.0289632 02	1.0838554 02
2.2500005 02	2.0350487 00	5.4628262 01	5.6663311 01
2.2700005 02	7.8383790-01	3.2964043 01	3.3747881 01
2.3000005 02	4.0336775-01	2.3970867 01	2.4374234 01
2.3200005 02	3.1901764-01	2.1164845 01	2.1483863 01
2.3400005 02	2.8081424-01	1.9298822 01	1.9579637 01
2.3500005 02	2.7236842-01	1.8577818 01	1.8850187 01
2.3600005 02	2.6955836-01	1.7960567 01	1.8230124 01
2.3800005 02	2.7978107-01	1.6983942 01	1.7263724 01
2.4000005 02	3.1390268-01	1.6337342 01	1.6651244 01
2.4200005 02	3.8366727-01	1.6134418 01	1.6518085 01
2.4400005 02	5.2075260-01	1.6800927 01	1.7321679 01
2.4500005 02	6.3840659-01	1.7824228 01	1.8462635 01
2.4600005 02	8.1914447-01	1.9810427 01	2.0629572 01
2.4700005 02	1.1188002 00	2.3749684 01	2.4868484 01
2.4800005 02	1.6871088 00	3.2482187 01	3.4169295 01
2.4900005 02	3.0527347 00	5.6792675 01	5.9845409 01
2.5000005 02	7.1629396 00	1.3896523 02	1.4612817 02
2.5100005 02	1.8295968 01	3.7815468 02	3.9645065 02
2.5150005 02	2.7087271 01	5.7466092 02	6.0174819 02
2.5200005 02	3.6464181 01	7.9108450 02	8.2754869 02
2.5230005 02	4.1305174 01	9.0717074 02	9.4847591 02
2.5250005 02	4.3820630 01	9.7008059 02	1.0139012 03
2.5270005 02	4.5580014 01	1.0169964 03	1.0625764 03
2.5280005 02	4.6138627 01	1.0335286 03	1.0796673 03
2.5290005 02	4.6469742 01	1.0450884 03	1.0915582 03
2.5300005 02	4.6567839 01	1.0515074 03	1.0980753 03
2.5310005 02	4.6431321 01	1.0527047 03	1.0991361 03
2.5320005 02	4.6062670 01	1.0486895 03	1.0947521 03
2.5330005 02	4.5468128 01	1.0395556 03	1.0850238 03
2.5350005 02	4.3644865 01	1.0067337 03	1.0503786 03
2.5370005 02	4.1080228 01	9.5658120 02	9.9766142 02
2.5400005 02	3.6197987 01	8.5628212 02	8.9248010 02
2.5450005 02	2.6835072 01	6.5572010 02	6.8255517 02
2.5500005 02	1.8116474 01	4.6269736 02	4.8081384 02
2.5600005 02	7.1012467 00	2.0934647 02	2.1644772 02
2.5700005 02	3.0130593 00	1.0927811 02	1.1229117 02

TABLE VI
W CROSS SECTIONS
W Temperature = 1.0 ev

Neutron Energy, E_n (ev)	Radiative Capture Cross Section, σ_γ (barns)	Scattering Cross Section, σ_S (barns)	Total Cross Section, σ_T (barns)
2.5300000-02	1.7390410 01	6.2007735 00	2.3591183 01
5.0000009-02	1.2411062 01	5.8997009 00	1.8310763 01
1.0000005-01	8.8350140 00	5.7409540 00	1.4575968 01
2.0000005-01	6.3336353 00	5.6525487 00	1.1986184 01
3.0000007-01	5.2451622 00	5.6149119 00	1.0860074 01
5.0000005-01	4.1857439 00	5.5695957 00	9.7553397 00
7.0000005-01	3.6527686 00	5.5350178 00	9.1877863 00
1.0000005 00	3.2233199 00	5.4875747 00	8.7108946 00
1.2000005 00	3.0621393 00	5.4559651 00	8.5181043 00
1.4000005 00	2.9634053 00	5.4232276 00	8.3866329 00
1.5000005 00	2.9329181 00	5.4061988 00	8.3391168 00
1.6000005 00	2.9137684 00	5.3886020 00	8.3023704 00
1.7000005 00	2.9055531 00	5.3703332 00	8.2758863 00
1.8000005 00	2.9082367 00	5.3512770 00	8.2595137 00
1.9000005 00	2.9221489 00	5.3312999 00	8.2534487 00
2.0000005 00	2.9479966 00	5.3102490 00	8.2582456 00
2.1000005 00	2.9869301 00	5.2879432 00	8.2748732 00
2.2000005 00	3.0406285 00	5.2641669 00	8.3047953 00
2.3000005 00	3.1114550 00	5.2386597 00	8.3501147 00
2.4000005 00	3.2026853 00	5.2111034 00	8.4137887 00
2.5000005 00	3.3188594 00	5.1811041 00	8.4999634 00
2.6000005 00	3.4663354 00	5.1481677 00	8.6145030 00
2.7000005 00	3.6541843 00	5.1116682 00	8.7658525 00
2.8000005 00	3.8956762 00	5.0707961 00	8.9664723 00
2.9000005 00	4.2109275 00	5.0244910 00	9.2354185 00
3.0000005 00	4.6319349 00	4.9713408 00	9.6032757 00
3.1000005 00	5.2133799 00	4.9094487 00	1.0122829 01
3.2000005 00	6.0642836 00	4.8364341 00	1.0900718 01
3.3000005 00	7.5290057 00	4.7532644 00	1.2282270 01
3.4000005 00	1.0682258 01	4.6763789 00	1.5358636 01
3.5000005 00	1.9239827 01	4.6958998 00	2.3935727 01
3.6000005 00	4.3160132 01	5.1033616 00	4.8263497 01
3.7000005 00	1.0116351 02	6.5245409 00	1.0768805 02
3.8000005 00	2.1289402 02	9.7524967 00	2.2264652 02
3.9000005 00	3.7509513 02	1.4995930 01	3.9009107 02
3.9500005 00	4.6192708 02	1.8046806 01	4.7997389 02
4.0000005 00	5.4032954 02	2.1009819 01	5.6133936 02
4.0500005 00	6.0024406 02	2.3541443 01	6.2378550 02
4.1000005 00	6.3343846 02	2.5328049 01	6.5876650 02
4.1300005 00	6.3845946 02	2.5947167 01	6.6440663 02
4.1400005 00	6.3756708 02	2.6071701 01	6.6363879 02
4.1500005 00	6.3540161 02	2.6154587 01	6.6155620 02
4.2000005 00	6.0635408 02	2.5951294 01	6.3230537 02
4.2500005 00	5.5106187 02	2.4802788 01	5.7586465 02
4.3000005 00	4.7756633 02	2.2920105 01	5.0048644 02
4.4000005 00	3.1310771 02	1.8090542 01	3.3119826 02
4.5000005 00	1.7405602 02	1.3535614 01	1.8759164 02
4.6000004 00	8.4752036 01	1.0319322 01	9.5071358 01
4.7000005 00	3.8461272 01	8.4540639 00	4.6915336 01
4.8000005 00	1.8119318 01	7.4930866 00	2.5612405 01
5.0000005 00	6.8180325 00	6.7454422 00	1.3563475 01
5.2000004 00	4.5695779 00	6.4650784 00	1.1034656 01
5.5000005 00	3.4785490 00	6.2533772 00	9.7319262 00
5.7000005 00	3.1702456 00	6.1697989 00	9.3400445 00
5.8000005 00	3.0816304 00	6.1380851 00	9.2197153 00
5.9000005 00	3.0266843 00	6.1114286 00	9.1381128 00
6.0000005 00	3.0020938 00	6.0889697 00	9.0910634 00
6.1000005 00	3.0072788 00	6.0700599 00	9.0773386 00
6.2000005 00	3.0446545 00	6.0542191 00	9.0988735 00
6.3000005 00	3.1210889 00	6.0411571 00	9.1622459 00
6.5000005 00	3.5106421 00	6.0268345 00	9.5374766 00
6.7000005 00	5.0857819 00	6.0716172 00	1.1157399 01
6.8000005 00	7.4812048 00	6.1830727 00	1.3664277 01

TABLE VI (Continued) T = 1.0 ev

E_n(ev)	σ_γ(barns)	σ_S(barns)	σ_T(barns)
6.9000005 00	1.2547737 01	6.4523058 00	1.9000043 01
7.0000005 00	2.2280813 01	7.0084691 00	2.9289282 01
7.1000004 00	3.8787204 01	7.9968658 00	4.6784069 01
7.2000005 00	6.3015268 01	9.5007925 00	7.2516060 01
7.3000005 00	9.3168553 01	1.1436688 01	1.0460524 02
7.4000004 00	1.2393833 02	1.3492841 01	1.3743116 02
7.4500005 00	1.3718074 02	1.4417843 01	1.5159858 02
7.5000005 00	1.4768213 02	1.5188471 01	1.6287061 02
7.5500005 00	1.5463277 02	1.5749174 01	1.7038195 02
7.5800005 00	1.5685998 02	1.5967396 01	1.7282737 02
7.6000005 00	1.5749123 02	1.6059977 01	1.7355121 02
7.6100005 00	1.5754771 02	1.6090025 01	1.7363774 02
7.6200005 00	1.5743130 02	1.6109196 01	1.7354050 02
7.6300005 00	1.5714283 02	1.6117456 01	1.7326028 02
7.6500005 00	1.5605533 02	1.6101452 01	1.7215678 02
7.6700005 00	1.5430255 02	1.6042618 01	1.7034517 02
7.7000004 00	1.5048498 02	1.5877018 01	1.6636199 02
7.7500005 00	1.4127417 02	1.5411888 01	1.5668605 02
7.8000005 00	1.2917939 02	1.4749127 01	1.4392852 02
7.9000005 00	1.0004969 02	1.3054971 01	1.1310467 02
8.0000005 00	7.0384558 01	1.1251802 01	8.1636360 01
8.1000004 00	4.5475106 01	9.6920181 00	5.5167124 01
8.3000005 00	1.6093595 01	7.7940040 00	2.3887599 01
8.5000005 00	6.2169823 00	7.1446342 00	1.3361617 01
8.7000003 00	3.7705173 00	7.0133676 00	1.0783885 01
8.9000005 00	3.1741135 00	7.0360110 00	1.0210125 01
9.0000005 00	3.0517381 00	7.0685663 00	1.0120304 01
9.1000004 00	2.9784799 00	7.1098926 00	1.0088373 01
9.2000003 00	2.9307033 00	7.1580501 00	1.0088753 01
9.3000003 00	2.9004362 00	7.2122762 00	1.0112712 01
9.5000005 00	2.8760209 00	7.3374801 00	1.0213501 01
9.7000003 00	2.8846094 00	7.4841023 00	1.0368712 01
1.0000005 01	2.9387315 00	7.7446372 00	1.0683369 01
1.0500005 01	3.1053738 00	8.2979865 00	1.1403361 01
1.1000005 01	3.3488071 00	9.0310666 00	1.2379874 01
1.1500005 01	3.6685031 00	9.9973387 00	1.3665842 01
1.2000005 01	4.0765726 00	1.1275605 01	1.5352177 01
1.3000005 01	5.2622560 00	1.5290276 01	2.0552531 01
1.4000005 01	7.2924778 00	2.2953695 01	3.0246174 01
1.5000005 01	1.1178613 01	3.9317859 01	5.0496471 01
1.6000005 01	2.0278985 01	8.2021821 01	1.0230080 02
1.6500005 01	3.0629662 01	1.3432158 02	1.6495125 02
1.7000005 01	5.4609630 01	2.6299420 02	3.1760383 02
1.7500005 01	1.4641064 02	7.9053805 02	9.3694869 02
1.8000005 01	5.7082218 02	3.3373998 03	3.9082220 03
1.8200005 01	9.0789009 02	5.3939708 03	6.3018609 03
1.8400005 01	1.2858503 03	7.7255933 03	9.0114436 03
1.8500005 01	1.4545481 03	8.7786167 03	1.0233165 04
1.8600005 01	1.5872187 03	9.6181401 03	1.1205358 04
1.8700005 01	1.6693853 03	1.0153894 04	1.1823279 04
1.8800005 01	1.6917862 03	1.0326713 04	1.2018499 04
1.8900005 01	1.6521617 03	1.0119833 04	1.1771995 04
1.9000005 01	1.5556418 03	9.5617013 03	1.1117343 04
1.9100005 01	1.4136565 03	8.7196546 03	1.0133311 04
1.9200005 01	1.2416275 03	7.6863234 03	8.9279509 03
1.9300005 01	1.0562429 03	6.5627469 03	7.6189898 03
1.9500005 01	7.0363187 02	4.3990215 03	5.1026534 03
1.9700005 01	4.3639941 02	2.7142162 03	3.1506155 03
1.9800005 01	3.4384492 02	2.0994726 03	2.4433175 03
2.0000005 01	2.3835774 02	1.2752966 03	1.5136543 03
2.0200005 01	2.2919646 02	8.5676238 02	1.0859588 03
2.0300005 01	2.5791948 02	7.5200791 02	1.0099274 03
2.0400005 01	3.0734069 02	6.9739842 02	1.0047391 03
2.0500005 01	3.7527950 02	6.8159152 02	1.0568710 03

TABLE VI (Continued) T = 1.0 ev

E_n(ev)	σ_γ(barns)	σ_S (barns)	σ_T(barns)
2.0600005 01	4.5787699 02	6.9466467 02	1.1525417 03
2.0700005 01	5.4919685 02	7.2714238 02	1.2763393 03
2.0800005 01	6.4132308 02	7.6945748 02	1.4107806 03
2.0900005 01	7.2505346 02	8.1200058 02	1.5370541 03
2.1000005 01	7.9111327 02	8.4572446 02	1.6368378 03
2.1100005 01	8.3163350 02	8.6307414 02	1.6947076 03
2.1150005 01	8.4058708 02	8.6389756 02	1.7044846 03
2.1200005 01	8.4152443 02	8.5895085 02	1.7004753 03
2.1250005 01	8.3439567 02	8.4809029 02	1.6824860 03
2.1300005 01	8.1940075 02	8.3138192 02	1.6507826 03
2.1400005 01	7.6777827 02	7.8166304 02	1.5494413 03
2.1500005 01	6.9251856 02	7.1391631 02	1.4064349 03
2.1700005 01	5.0396395 02	5.4916203 02	1.0531260 03
2.2000005 01	2.4176585 02	3.1946011 02	5.6122596 02
2.2500005 01	4.6564042 01	1.3518016 02	1.8174420 02
2.3000005 01	1.4223731 01	9.0470970 01	1.0469470 02
2.3500005 01	9.0362791 00	7.3713631 01	8.2749910 01
2.4000005 01	7.0024323 00	6.3042894 01	7.0045326 01
2.4500005 01	5.9250386 00	5.5398865 01	6.1323904 01
2.5000005 01	5.7152282 00	5.0110394 01	5.5825622 01
2.5500005 01	9.1146423 00	5.0310211 01	5.9424853 01
2.6000005 01	3.4723190 01	8.0001945 01	1.1472513 02
2.6500005 01	1.1632005 02	1.8397008 02	3.0029013 02
2.6800005 01	1.7406811 02	2.5899144 02	4.3305954 02
2.6900005 01	1.8732964 02	2.7636148 02	4.6369112 02
2.7000004 01	1.9546086 02	2.8708468 02	4.8254554 02
2.7100005 01	1.9772723 02	2.9016933 02	4.8789657 02
2.7200005 01	1.9393988 02	2.8533500 02	4.7927488 02
2.7300005 01	1.8448013 02	2.7304859 02	4.5752872 02
2.7500005 01	1.5245808 02	2.3114291 02	3.8360098 02
2.8000005 01	5.7673032 01	1.0576223 02	1.6343526 02
2.8500005 01	1.3213978 01	4.5472222 01	5.8686199 01
2.9000005 01	3.8356612 00	3.1455521 01	3.5291182 01
3.0000005 01	1.7816043 00	2.6272721 01	2.8054325 01
3.1000005 01	1.3039918 00	2.3798343 01	2.5102335 01
3.2000005 01	1.0515390 00	2.1994089 01	2.3045628 01
3.3000005 01	8.9213063-01	2.0572109 01	2.1464240 01
3.4000005 01	7.8378073-01	1.9409617 01	2.0193398 01
3.5000005 01	7.0870353-01	1.8438764 01	1.9147467 01
3.6000005 01	6.5852515-01	1.7618072 01	1.8276597 01
3.7000005 01	6.2994029-01	1.6922494 01	1.7552434 01
3.8000005 01	6.2503594-01	1.6340719 01	1.6965755 01
3.8500005 01	6.4445545-01	1.6093878 01	1.6738333 01
3.9000005 01	7.6597907-01	1.5882624 01	1.6648604 01
3.9500004 01	1.3264340 00	1.5719167 01	1.7045601 01
4.0000005 01	2.7838697 00	1.5610813 01	1.8394683 01
4.0300005 01	3.9091760 00	1.5563716 01	1.9472892 01
4.0500005 01	4.5240626 00	1.5534833 01	2.0058895 01
4.0600004 01	4.7383504 00	1.5520747 01	2.0259098 01
4.0700005 01	4.8726070 00	1.5507077 01	2.0379684 01
4.0800005 01	4.9191883 00	1.5494185 01	2.0413374 01
4.0900005 01	4.8761709 00	1.5482615 01	2.0358786 01
4.1000005 01	4.7475351 00	1.5473061 01	2.0220597 01
4.1100005 01	4.5426847 00	1.5466344 01	2.0009029 01
4.1300005 01	3.9626135 00	1.5464986 01	1.9427599 01
4.1400005 01	3.6224096 00	1.5472161 01	1.9094571 01
4.1500005 01	3.2727473 00	1.5485733 01	1.8758480 01
4.1600005 01	2.9299225 00	1.5506501 01	1.8436424 01
4.1800005 01	2.3157794 00	1.5572558 01	1.7888337 01
4.2000005 01	1.8479035 00	1.5675959 01	1.7523862 01
4.2500005 01	1.3469554 00	1.6142418 01	1.7489373 01
4.3000005 01	1.4567262 00	1.7064868 01	1.8521594 01
4.3300005 01	1.6841062 00	1.8015174 01	1.9699280 01

TABLE VI (Continued) T = 1.0 ev

E_n(ev)	σ_γ(barns)	σ_S(barns)	σ_T(barns)
4.3500005 01	1.9073559 00	1.8955362 01	2.0862718 01
4.4000005 01	2.9678961 00	2.3823113 01	2.6791010 01
4.4500005 01	6.2749069 00	4.0562102 01	4.6837008 01
4.5000005 01	1.7451245 01	9.9839338 01	1.1729058 02
4.5500005 01	4.6124335 01	2.5451898 02	3.0064331 02
4.6000005 01	9.0910879 01	4.9547890 02	5.8638978 02
4.6300005 01	1.1444831 02	6.1651150 02	7.3095981 02
4.6500005 01	1.2397144 02	6.5794597 02	7.8191740 02
4.6600005 01	1.2638562 02	6.6339110 02	7.8977672 02
4.6700005 01	1.2721754 02	6.5824618 02	7.8546371 02
4.6800005 01	1.2656949 02	6.4290602 02	7.6947551 02
4.6900005 01	1.2462241 02	6.1829028 02	7.4291268 02
4.7000005 01	1.2161486 02	5.8575946 02	7.0737432 02
4.7200004 01	1.1350013 02	5.0374749 02	6.1724762 02
4.7300005 01	1.0891343 02	4.5814864 02	5.6706207 02
4.7400005 01	1.0425846 02	4.1187738 02	5.1613583 02
4.7500005 01	9.9676160 01	3.6651964 02	4.6619580 02
4.7600005 01	9.5240955 01	3.2337385 02	4.1861481 02
4.7700005 01	9.0964318 01	2.8340417 02	3.7436849 02
4.7800005 01	8.6805243 01	2.4723119 02	3.3403644 02
4.7900005 01	8.2687786 01	2.1515886 02	2.9784665 02
4.8000005 01	7.8519901 01	1.8721329 02	2.6573319 02
4.8100005 01	7.4213353 01	1.6320687 02	2.3742022 02
4.8200005 01	6.9699632 01	1.4280217 02	2.1250180 02
4.8300005 01	6.4942552 01	1.2557358 02	1.9051613 02
4.8500005 01	5.4742922 01	9.8821089 01	1.5356401 02
4.8700005 01	4.4048422 01	7.9568688 01	1.2361711 02
4.9000005 01	2.8838074 01	5.9441734 01	8.8279807 01
4.9500005 01	1.1109976 01	3.9273069 01	5.0383045 01
5.0000005 01	3.6939178 00	2.9113855 01	3.2807773 01
5.1000005 01	1.0230479 00	2.1688679 01	2.2711727 01
5.2000004 01	6.6827833-01	1.8843545 01	1.9511824 01
5.3000005 01	5.0310489-01	1.7217662 01	1.7720767 01
5.5000005 01	3.4174068-01	1.5362960 01	1.5704700 01
5.7000005 01	2.6528948-01	1.4288182 01	1.4553472 01
5.9000005 01	2.2219616-01	1.3552675 01	1.3774871 01
6.0000005 01	2.0751196-01	1.3257087 01	1.3464599 01
6.1000005 01	1.9621612-01	1.2993547 01	1.3189763 01
6.2000005 01	1.8865562-01	1.2753047 01	1.2941703 01
6.2500005 01	1.9011756-01	1.2638399 01	1.2828516 01
6.3000005 01	2.1381969-01	1.2525443 01	1.2739263 01
6.4000005 01	7.6976397-01	1.2314826 01	1.3084589 01
6.4500004 01	1.7666149 00	1.2251480 01	1.4018094 01
6.5000005 01	3.2078228 00	1.2247716 01	1.5455538 01
6.5200004 01	3.7394804 00	1.2260038 01	1.5999519 01
6.5400005 01	4.1398322 00	1.2274630 01	1.6414462 01
6.5500005 01	4.2712321 00	1.2281130 01	1.6552362 01
6.5600003 01	4.3492827 00	1.2286205 01	1.6635487 01
6.5700005 01	4.3710106 00	1.2289230 01	1.6660241 01
6.5800005 01	4.3355220 00	1.2289665 01	1.6625187 01
6.5900004 01	4.2444364 00	1.2287087 01	1.6531523 01
6.6000005 01	4.1015131 00	1.2281198 01	1.6382711 01
6.6200005 01	3.6846367 00	1.2259054 01	1.5943690 01
6.6500005 01	2.8546769 00	1.2201916 01	1.5056593 01
6.7000005 01	1.4807611 00	1.2068517 01	1.3549278 01
6.8000005 01	2.7787889-01	1.1820332 01	1.2098211 01
7.0000005 01	1.4262937-01	1.1500659 01	1.1643288 01
7.2000005 01	1.3502107-01	1.1236474 01	1.1371495 01
7.4000005 01	1.3041021-01	1.0993872 01	1.1124283 01
7.6000005 01	1.2739529-01	1.0764828 01	1.0892223 01
7.8000005 01	1.2561728-01	1.0544513 01	1.0670130 01
8.0000005 01	1.2497823-01	1.0329187 01	1.0454166 01
8.2000005 01	1.2551841-01	1.0115546 01	1.0241065 01
8.4000005 01	1.2740776-01	9.9003515 00	1.0027759 01

TABLE VI (Continued) T = 1.0 ev

E_n(ev)	σ_γ(barns)	σ_S(barns)	σ_T(barns)
8.6000005 01	1.3099283-01	9.6801411 00	9.8111339 00
8.8000005 01	1.3691960-01	9.4509188 00	9.5878383 00
9.0000005 01	1.4642490-01	9.2077765 00	9.3542013 00
9.2000005 01	1.6209764-01	8.9445638 00	9.1066613 00
9.4000005 01	1.9025616-01	8.6546179 00	8.8448740 00
9.5000005 01	2.1395635-01	8.4991815 00	8.7131378 00
9.6000005 01	2.5096319-01	8.3415342 00	8.5924972 00
9.7000005 01	3.1624749-01	8.2028064 00	8.5190538 00
9.8000005 01	4.8737185-01	8.2867844 00	8.7741562 00
9.9000005 01	1.4958054 00	1.1085059 01	1.2580865 01
1.0000005 02	7.6781554 00	3.2586859 01	4.0265014 01
1.0050005 02	1.5135058 01	5.9839452 01	7.4974511 01
1.0100005 02	2.4964530 01	9.6753726 01	1.2171825 02
1.0120005 02	2.8870986 01	1.1175508 02	1.4062606 02
1.0150005 02	3.3790205 01	1.3111312 02	1.6490332 02
1.0170005 02	3.6021670 01	1.4031154 02	1.7633321 02
1.0180005 02	3.6735876 01	1.4345576 02	1.8019163 02
1.0190005 02	3.7156976 01	1.4552486 02	1.8268184 02
1.0200005 02	3.7274772 01	1.4647232 02	1.8374710 02
1.0210005 02	3.7086770 01	1.4627996 02	1.8336673 02
1.0220005 02	3.6598147 01	1.4495833 02	1.8155648 02
1.0230005 02	3.5821645 01	1.4254641 02	1.7836806 02
1.0250005 02	3.3489772 01	1.3473706 02	1.6822683 02
1.0280005 02	2.8500059 01	1.1716737 02	1.4566743 02
1.0300005 02	2.4603016 01	1.0309096 02	1.2769398 02
1.0350005 02	1.4930356 01	6.7349304 01	8.2279659 01
1.0400005 02	7.6594221 00	3.9746061 01	4.7405483 01
1.0500005 02	1.6006712 00	1.5625182 01	1.7225853 01
1.0600005 02	6.0243059-01	1.0842788 01	1.1445219 01
1.0700005 02	4.6970607-01	9.6370005 00	1.0106706 01
1.0800005 02	4.6220214-01	9.0199629 00	9.4821650 00
1.0900005 02	5.0503114-01	8.6188417 00	9.1238728 00
1.1000005 02	5.9903583-01	8.3918396 00	8.9908754 00
1.1100005 02	7.7257581-01	8.4226680 00	9.1952438 00
1.1200005 02	1.1197991 00	9.1107695 00	1.0230568 01
1.1300005 02	2.1505758 00	1.3204141 01	1.5354716 01
1.1400005 02	7.4372353 00	4.2254463 01	4.9691698 01
1.1500005 02	3.1106732 01	1.8608735 02	2.1719408 02
1.1550005 02	5.4992585 01	3.3621956 02	3.9121214 02
1.1580005 02	7.2087501 01	4.4554478 02	5.1763227 02
1.1600005 02	8.3610213 01	5.2017749 02	6.0378769 02
1.1620005 02	9.4431466 01	5.9117210 02	6.8560357 02
1.1640005 02	1.0380599 02	6.5377070 02	7.5757669 02
1.1650005 02	1.0772688 02	6.8047137 02	7.8819824 02
1.1660005 02	1.1103035 02	7.0340558 02	8.1443592 02
1.1670005 02	1.1364917 02	7.2212369 02	8.3577286 02
1.1680005 02	1.1552950 02	7.3625664 02	8.5178613 02
1.1690005 02	1.1663225 02	7.4552646 02	8.6215871 02
1.1700005 02	1.1693483 02	7.4975801 02	8.6669284 02
1.1710005 02	1.1643170 02	7.4888345 02	8.6531515 02
1.1720005 02	1.1513450 02	7.4294369 02	8.5807819 02
1.1730005 02	1.1307182 02	7.3208832 02	8.4516013 02
1.1740005 02	1.1028799 02	7.1656873 02	8.2685671 02
1.1750005 02	1.0684143 02	6.9672773 02	8.0356915 02
1.1760005 02	1.0280271 02	6.7298995 02	7.7579265 02
1.1780005 02	9.3277048 01	6.1582607 02	7.0910312 02
1.1800005 02	8.2419727 01	5.4946537 02	6.3188509 02
1.1820005 02	7.0963258 01	4.7851772 02	5.4948098 02
1.1850005 02	5.4102693 01	3.7275862 02	4.2686131 02
1.1900005 02	3.0707721 01	2.2348760 02	2.5419531 02
1.2000005 02	7.4673114 00	7.0422964 01	7.7890275 01
1.2100005 02	2.1308937 00	3.2776000 01	3.4406893 01
1.2200005 02	1.0678622 00	2.3134929 01	2.4202791 01

TABLE VI (Continued) T = 1.0 ev

E_n(ev)	σ_γ(barns)	σ_S (barns)	σ_T(barns)
1.2300005 02	7.1177838-01	1.9396007 01	2.0107786 01
1.2500005 02	4.1816494-01	1.5725545 01	1.6143711 01
1.2700005 02	2.9601677-01	1.3826698 01	1.4122715 01
1.2900005 02	2.3460363-01	1.2625608 01	1.2860211 01
1.3000005 02	2.1571317-01	1.2165076 01	1.2380789 01
1.3100005 02	2.0321271-01	1.1764809 01	1.1968022 01
1.3200005 02	2.1094599-01	1.1409758 01	1.1620704 01
1.3300005 02	3.6581613-01	1.1100811 01	1.1466627 01
1.3400005 02	1.1226345 00	1.0888029 01	1.2010663 01
1.3450005 02	1.8606302 00	1.0840996 01	1.2701626 01
1.3500005 02	2.7185798 00	1.0826123 01	1.3544703 01
1.3520005 02	3.0374150 00	1.0822776 01	1.3860191 01
1.3550005 02	3.4257871 00	1.0812331 01	1.4238118 01
1.3570005 02	3.5978647 00	1.0797814 01	1.4395678 01
1.3580005 02	3.6524438 00	1.0787392 01	1.4439835 01
1.3590005 02	3.6845405 00	1.0774555 01	1.4459095 01
1.3600005 02	3.6935258 00	1.0759118 01	1.4452644 01
1.3610005 02	3.6792595 00	1.0740969 01	1.4420229 01
1.3620005 02	3.6420230 00	1.0720035 01	1.4362058 01
1.3630005 02	3.5825837 00	1.0696311 01	1.4278895 01
1.3650005 02	3.4022411 00	1.0640760 01	1.4043001 01
1.3680005 02	3.0063155 00	1.0539484 01	1.3545800 01
1.3700005 02	2.6861721 00	1.0462746 01	1.3148918 01
1.3750005 02	1.8358069 00	1.0255781 01	1.2091587 01
1.3800005 02	1.1119513 00	1.0054036 01	1.1165987 01
1.3900005 02	3.7000470-01	9.7287801 00	1.0098785 01
1.4000005 02	2.1933931-01	9.4884172 00	9.7077564 00
1.4100005 02	2.3587482-01	9.3049245 00	9.5407993 00
1.4200005 02	4.2152092-01	9.4082647 00	9.8297855 00
1.4300005 02	1.5861164 00	1.1492937 01	1.3079054 01
1.4400005 02	6.0923729 00	2.0567467 01	2.6659840 01
1.4450005 02	1.0097115 01	2.8861919 01	3.8959034 01
1.4500005 02	1.4552144 01	3.8224615 01	5.2776758 01
1.4520005 02	1.6171054 01	4.1667284 01	5.7838338 01
1.4550005 02	1.8122418 01	4.5868633 01	6.3991051 01
1.4570005 02	1.8980894 01	4.7760880 01	6.6741774 01
1.4580005 02	1.9252855 01	4.8380766 01	6.7633620 01
1.4590005 02	1.9412911 01	4.8767343 01	6.8180253 01
1.4600005 02	1.9458360 01	4.8914054 01	6.8372414 01
1.4610008 02	1.9388509 01	4.8818563 01	6.8207072 01
1.4620005 02	1.9204767 01	4.8482925 01	6.7687691 01
1.4630005 02	1.8910522 01	4.7913457 01	6.6823979 01
1.4650005 02	1.8014022 01	4.6119152 01	6.4133174 01
1.4680005 02	1.6028715 01	4.2051299 01	5.8080014 01
1.4700005 02	1.4405159 01	3.8683046 01	5.3088204 01
1.4750005 02	9.9925722 00	2.9419542 01	3.9412114 01
1.4800005 02	6.0678856 00	2.1058614 01	2.7126500 01
1.4900005 02	1.6706551 00	1.1426750 01	1.3097405 01
1.5000005 02	5.4186989-01	8.6887657 00	9.2306355 00
1.5100005 02	4.1085782-01	8.1684012 00	8.5792590 00
1.5200005 02	5.1213068-01	8.4751712 00	8.9873019 00
1.5300005 02	9.5777090-01	1.1377440 01	1.2335211 01
1.5400005 02	2.7715782 00	2.6326454 01	2.9098033 01
1.5500005 02	8.0842021 00	7.4163870 01	8.2248072 01
1.5550005 02	1.2233858 01	1.1309646 02	1.2533031 02
1.5600005 02	1.6574739 01	1.5513500 02	1.7170974 02
1.5620005 02	1.8102760 01	1.7040469 02	1.8850745 02
1.5650005 02	1.9916024 01	1.8920953 02	2.0912555 02
1.5670005 02	2.0703818 01	1.9800186 02	2.1870567 02
1.5700005 02	2.1136085 01	2.0433418 02	2.2547026 02
1.5730005 02	2.0627062 01	2.0185487 02	2.2248193 02
1.5750005 02	1.9795730 01	1.9549066 02	2.1528639 02
1.5780005 02	1.7937463 01	1.7992875 02	1.9786621 02
1.5800005 02	1.6395511 01	1.6646497 02	1.8286048 02

TABLE VI (Continued) T = 1.0 ev

E_n(ev)	σ_γ(barns)	σ_S(barns)	σ_T(barns)
1.5850005 02	1.2072663 01	1.2742858 02	1.3950124 02
1.5900005 02	7.9858578 00	8.9304807 01	9.7290664 01
1.6000005 02	2.7748529 00	3.8707784 01	4.1482636 01
1.6200005 02	5.1914867-01	1.4118506 01	1.4637655 01
1.6400005 02	3.4233720-01	1.0724715 01	1.1067052 01
1.6600005 02	3.1869725-01	9.2030800 00	9.5217772 00
1.6800005 02	3.5027192-01	8.1520254 00	8.5022971 00
1.7000005 02	5.2186913-01	7.2692128 00	7.7910819 00
1.7100005 02	1.2406825 00	7.3057753 00	8.5464578 00
1.7200005 02	4.9471069 00	1.0144077 01	1.5091184 01
1.7300005 02	1.6698527 01	2.1521432 01	3.8219958 01
1.7350005 02	2.6205173 01	3.1822620 01	5.8027793 01
1.7400005 02	3.6606086 01	4.4443469 01	8.1049556 01
1.7420005 02	4.0503740 01	4.9771238 01	9.0274978 01
1.7450005 02	4.5556672 01	5.7646381 01	1.0320306 02
1.7470005 02	4.8188754 01	6.2629190 01	1.1081794 02
1.7480005 02	4.9241760 01	6.4996421 01	1.1423818 02
1.7490005 02	5.0105226 01	6.7262624 01	1.1736785 02
1.7500005 02	5.0772834 01	6.9416716 01	1.2018955 02
1.7510005 02	5.1240518 01	7.1448161 01	1.2268868 02
1.7520005 02	5.1506877 01	7.3347517 01	1.2485440 02
1.7530005 02	5.1574596 01	7.5108038 01	1.2668264 02
1.7550005 02	5.1133665 01	7.8186123 01	1.2931979 02
1.7580005 02	4.9164771 01	8.1622345 01	1.3078712 02
1.7600005 02	4.7121063 01	8.3081413 01	1.3020248 02
1.7620005 02	4.4626096 01	8.3848540 01	1.2847463 02
1.7650005 02	4.0298014 01	8.3670510 01	1.2396852 02
1.7670005 02	3.7181540 01	8.2655005 01	1.1983654 02
1.7690005 02	3.3989796 01	8.0929819 01	1.1491961 02
1.7700005 02	3.2390263 01	7.9808825 01	1.1219909 02
1.7710005 02	3.0799406 01	7.8522663 01	1.0932207 02
1.7730005 02	2.7671005 01	7.5485146 01	1.0315615 02
1.7750005 02	2.4651447 01	7.1895215 01	9.6546662 01
1.7780005 02	2.0401006 01	6.5707239 01	8.6108245 01
1.7800005 02	1.7790340 01	6.1236647 01	7.9026987 01
1.7850005 02	1.2168921 01	4.9915574 01	6.2084495 01
1.7900005 02	7.9455958 00	4.0086519 01	4.8032115 01
1.8000005 02	3.4167799 00	2.9848130 01	3.3264909 01
1.8100005 02	2.4258464 00	3.3226167 01	3.5652013 01
1.8200005 02	3.2865090 00	5.3441120 01	5.6727629 01
1.8300005 02	6.3867785 00	1.1633737 02	1.2272415 02
1.8400005 02	1.4763248 01	2.9528252 02	3.1004578 02
1.8500005 02	3.1899959 01	6.7693253 02	7.0883249 02
1.8600005 02	5.3435172 01	1.1770176 03	1.2304528 03
1.8650005 02	6.1018205 01	1.3642969 03	1.4253152 03
1.8700005 02	6.3686701 01	1.4443536 03	1.5080402 03
1.8750005 02	6.0685545 01	1.3965422 03	1.4572278 03
1.8800005 02	5.2890479 01	1.2370255 03	1.2899159 03
1.8900005 02	3.1406300 01	7.6720169 02	7.9860799 02
1.9000005 02	1.4538206 01	3.8246218 02	3.9700038 02
1.9200005 02	3.0883848 00	1.0640431 02	1.0949269 02
1.9400005 02	1.3059977 00	5.7000448 01	5.8306446 01
1.9600005 02	7.8387012-01	4.0307279 01	4.1091150 01
1.9800005 02	5.4888086-01	3.1798511 01	3.2347392 01
2.0000005 02	4.2495294-01	2.6620121 01	2.7045074 01
2.0200005 02	3.5577116-01	2.3103607 01	2.3459378 01
2.0400005 02	3.1911932-01	2.0519107 01	2.0838226 01
2.0500005 02	3.0995201-01	1.9453708 01	1.9763659 01
2.0600005 02	3.0631194-01	1.8498904 01	1.8805216 01
2.0800005 02	3.1652727-01	1.6843602 01	1.7160129 01
2.1000005 02	3.5772420-01	1.5455867 01	1.5813591 01
2.1100005 02	4.0098132-01	1.4861977 01	1.5262957 01
2.1200005 02	4.9867453-01	1.4364185 01	1.4862859 01

TABLE VI (Continued) T = 1.0 ev

E_n(ev)	σ_γ(barns)	σ_S(barns)	σ_T(barns)
2.1300005 02	8.2698992-01	1.4049937 01	1.4876926 01
2.1400005 02	1.9005068 00	1.4191208 01	1.6091715 01
2.1500005 02	4.3921822 00	1.5670351 01	2.0062533 01
2.1550005 02	6.1602570 00	1.7754636 01	2.3914893 01
2.1600005 02	8.0857166 00	2.1971114 01	3.0056831 01
2.1630005 02	9.2469672 00	2.6323304 01	3.5570271 01
2.1650005 02	1.0011071 01	3.0377502 01	4.0388573 01
2.1670005 02	1.0767682 01	3.5647679 01	4.6415361 01
2.1680005 02	1.1156998 01	3.8832996 01	4.9989993 01
2.1690005 02	1.1537128 01	4.2438970 01	5.3976097 01
2.1700005 02	1.1950425 01	4.6514122 01	5.8464547 01
2.1710005 02	1.2348301 01	5.1098196 01	6.3446496 01
2.1720005 02	1.2787259 01	5.6248028 01	6.9035286 01
2.1730005 02	1.3232135 01	6.2005834 01	7.5237968 01
2.1750005 02	1.4221945 01	7.5560014 01	8.9781958 01
2.1770005 02	1.5356013 01	9.2155885 01	1.0751190 02
2.1800005 02	1.7423743 01	1.2353021 02	1.4095395 02
2.1850005 02	2.2177637 01	1.9498350 02	2.1716114 02
2.1900005 02	2.8701146 01	2.8947766 02	3.1817880 02
2.1950005 02	3.6426932 01	3.9830625 02	4.3473317 02
2.2000005 02	4.3946293 01	5.0397588 02	5.4792218 02
2.2050005 02	4.9403032 01	5.8420379 02	6.3360682 02
2.2100005 02	5.1200205 01	6.1965860 02	6.7085880 02
2.2150005 02	4.8683256 01	6.0182433 02	6.5050758 02
2.2200005 02	4.2422186 01	5.3655340 02	5.7897558 02
2.2300005 02	2.5010495 01	3.3743898 02	3.6244948 02
2.2400005 02	1.1012329 01	1.6844902 02	1.7946135 02
2.2500005 02	4.1329554 00	8.0999988 01	8.5132942 01
2.2700005 02	9.3534312-01	3.5271582 01	3.6206925 01
2.3000005 02	4.1920439-01	2.4274894 01	2.4694098 01
2.3200005 02	3.2601334-01	2.1304837 01	2.1630849 01
2.3400005 02	2.8498530-01	1.9377818 01	1.9662803 01
2.3500005 02	2.7599428-01	1.8641728 01	1.8917722 01
2.3600005 02	2.7298982-01	1.8015510 01	1.8288499 01
2.3800005 02	2.8372487-01	1.7035711 01	1.7319435 01
2.4000005 02	3.1992106-01	1.6409844 01	1.6729764 01
2.4200005 02	3.9519507-01	1.6281077 01	1.6676271 01
2.4400005 02	5.4873546-01	1.7205796 01	1.7754531 01
2.4500005 02	6.8810370-01	1.8602092 01	1.9290196 01
2.4600005 02	9.2300278-01	2.1594434 01	2.2517436 01
2.4700005 02	1.3865700 00	2.8814239 01	3.0200809 01
2.4800005 02	2.4823107 00	4.8750792 01	5.1233102 01
2.4900005 02	5.2232462 00	1.0376696 02	1.0899021 02
2.5000005 02	1.1219236 01	2.3142638 02	2.4264562 02
2.5100005 02	2.1056413 01	4.5011164 02	4.7116805 02
2.5150005 02	2.6580402 01	5.7713262 02	6.0371301 02
2.5200005 02	3.1484054 01	6.9369230 02	7.2517635 02
2.5230005 02	3.3747767 01	7.4997534 02	7.8372310 02
2.5250005 02	3.4864990 01	7.7924701 02	8.1411199 02
2.5270005 02	3.5622111 01	8.0077633 02	8.3639843 02
2.5280005 02	3.5856792 01	8.0840908 02	8.4426587 02
2.5290005 02	3.5992502 01	8.1386658 02	8.4985909 02
2.5300005 02	3.6028042 01	8.1710867 02	8.5313671 02
2.5310005 02	3.5963150 01	8.1811490 02	8.5407805 02
2.5320005 02	3.5798476 01	8.1688501 02	8.5268348 02
2.5330005 02	3.5535516 01	8.1343851 02	8.4897402 02
2.5350005 02	3.4725340 01	8.0007572 02	8.3480106 02
2.5370005 02	3.3561701 01	7.7856990 02	8.1213160 02
2.5400005 02	3.1244803 01	7.3288290 02	7.6412769 02
2.5450005 02	2.6303372 01	6.3030533 02	6.5660870 02
2.5500005 02	2.0799865 01	5.1191605 02	5.3271591 02
2.5600005 02	1.1082951 01	2.9559195 02	3.0667490 02
2.5700005 02	5.1728654 00	1.5852094 02	1.6369380 02

TABLE VII
W CROSS SECTIONS
W Temperature = 2.0 ev

Neutron Energy, E_n(ev)	Radiative Capture Cross Section, σ_γ(barns)	Scattering Cross Section, σ_S(barns)	Total Cross Section, σ_T(barns)
2.5300000-02	1.7409344 01	6.7940209 00	2.4203366 01
5.0000009-02	1.2424764 01	6.2030294 00	1.8627794 01
1.0000005-01	8.8450677 00	5.8917340 00	1.4736802 01
2.0000005-01	6.3413145 00	5.7269283 00	1.2068243 01
3.0000007-01	5.2519504 00	5.6637928 00	1.0915743 01
5.0000005-01	4.1919756 00	5.5980163 00	9.7899920 00
7.0000005-01	3.6591169 00	5.5545915 00	9.2137083 00
1.0000005 00	3.2306166 00	5.5003552 00	8.7309719 00
1.2000005 00	3.0706152 00	5.4659713 00	8.5365865 00
1.5000005 00	2.9443856 00	5.4131654 00	8.3575510 00
1.7000005 00	2.9203364 00	5.3756164 00	8.2959528 00
1.9000005 00	2.9420954 00	5.3349564 00	8.2770518 00
2.0000005 00	2.9716059 00	5.3130588 00	8.2846648 00
2.2000005 00	3.0751570 00	5.2650875 00	8.3402444 00
2.5000005 00	3.3886605 00	5.1780897 00	8.5667502 00
2.7000005 00	3.7811024 00	5.1044295 00	8.8855319 00
2.8000005 00	4.0781895 00	5.0605502 00	9.1387397 00
2.9000005 00	4.5140082 00	5.0110222 00	9.5250304 00
3.0000005 00	5.2347634 00	4.9567152 00	1.0191478 01
3.1000005 00	6.6366888 00	4.9039726 00	1.1540661 01
3.2000005 00	9.7562141 00	4.8772112 00	1.4633425 01
3.3000005 00	1.6877819 01	4.9398882 00	2.1817708 01
3.4000005 00	3.2177789 01	5.2214575 00	3.7399247 01
3.5000005 00	6.1650859 01	5.9272676 00	6.7578126 01
3.6000005 00	1.1131952 02	7.2950811 00	1.1861460 02
3.7000005 00	1.8342559 02	9.4769840 00	1.9290258 02
3.8000005 00	2.7215155 02	1.2383248 01	2.8453480 02
3.9000005 00	3.6208335 02	1.5590653 01	3.7767400 02
3.9500005 00	4.0088363 02	1.7098557 01	4.1798220 02
4.0000005 00	4.3199935 02	1.8418369 01	4.5041772 02
4.1000005 00	4.6317140 02	2.0176606 01	4.8334800 02
4.1300005 00	4.6340775 02	2.0423584 01	4.8383134 02
4.2000005 00	4.4765463 02	2.0459862 01	4.6811449 02
4.2500005 00	4.2379049 02	2.0044041 01	4.4383453 02
4.3000005 00	3.9149944 02	1.9309662 01	4.1080910 02
4.4000005 00	3.1118427 02	1.7157127 01	3.2834139 02
4.5000005 00	2.2598841 02	1.4602258 01	2.4059067 02
4.6000004 00	1.5096098 02	1.2174219 01	1.6313520 02
4.7000005 00	9.3642704 01	1.0190928 01	1.0383363 02
4.8000005 00	5.4734880 01	8.7471185 00	6.3481999 01
5.0000005 00	1.7445791 01	7.1823273 00	2.4628119 01
5.2000004 00	6.8692602 00	6.5932527 00	1.3462513 01
5.5000005 00	3.7641283 00	6.2854017 00	1.0049530 01
5.7000005 00	3.3034003 00	6.1888689 00	9.4922692 00
5.9000005 00	3.1396060 00	6.1253134 00	9.2649193 00
6.0000005 00	3.1424088 00	6.1025275 00	9.2449362 00
6.2000005 00	3.4038470 00	6.0761450 00	9.4799919 00
6.3000005 00	3.8119334 00	6.0800511 00	9.8919845 00
6.5000005 00	6.1240811 00	6.1764770 00	1.2300558 01
6.7000005 00	1.3130859 01	6.5590150 00	1.9689874 01
6.8000005 00	1.9821577 01	6.9511216 00	2.6772699 01
6.9000005 00	2.9339187 01	7.5272684 00	3.6866454 01
7.0000005 00	4.1826450 01	8.3035746 00	5.0130024 01
7.1000004 00	5.6842924 01	9.2605281 00	6.6103453 01
7.2000005 00	7.3237769 01	1.0333081 01	8.3570850 01
7.3000005 00	8.9219595 01	1.1412764 01	1.0063236 02
7.4000004 00	1.0265812 02	1.2364700 01	1.1502282 02
7.5000005 00	1.1155519 02	1.3056560 01	1.2461175 02
7.6000005 00	1.1454197 02	1.3390737 01	1.2793270 02
7.7000004 00	1.1122701 02	1.3328701 01	1.2455571 02
7.8000005 00	1.0227459 02	1.2899020 01	1.1517361 02
7.9000005 00	8.9193322 01	1.2186909 01	1.0138023 02
8.0000005 00	7.3926192 01	1.1310001 01	8.5236194 01

TABLE VII (Continued) T = 2.0 ev

E_n(ev)	σ_γ(barns)	σ_S(barns)	σ_T(barns)
8.1000004 00	5.8392089 01	1.0389622 01	6.8781711 01
8.3000005 00	3.2066244 01	8.7878876 00	4.0854132 01
8.5000005 00	1.5635919 01	7.7753165 00	2.3411236 01
8.7000003 00	7.6311946 00	7.3012715 00	1.4932466 01
8.9000005 00	4.4475116 00	7.1561996 00	1.1603711 01
9.0000005 00	3.7545279 00	7.1505768 00	1.0905105 01
9.1000004 00	3.3632847 00	7.1703731 00	1.0533658 01
9.3000003 00	3.0283621 00	7.2557440 00	1.0284106 01
9.5000005 00	2.9326538 00	7.3777428 00	1.0310397 01
9.7000003 00	2.9204768 00	7.5256648 00	1.0446141 01
1.0000005 01	2.9655031 00	7.7913576 00	1.0756860 01
1.0500005 01	3.1292614 00	8.3583549 00	1.1487616 01
1.1000005 01	3.3754365 00	9.1118478 00	1.2487285 01
1.1500005 01	3.7012481 00	1.0107933 01	1.3809181 01
1.2000005 01	4.1190122 00	1.1430274 01	1.5549286 01
1.3000005 01	5.3418109 00	1.5615868 01	2.0957679 01
1.4000005 01	7.4663496 00	2.3737402 01	3.1203752 01
1.5000005 01	1.1656013 01	4.1667428 01	5.3323440 01
1.6000005 01	2.2404252 01	9.3469093 01	1.1587335 02
1.6500005 01	3.7915316 01	1.7578157 02	2.1369689 02
1.7000005 01	8.9580214 01	4.7077234 02	5.6035255 02
1.7500005 01	2.7341363 02	1.5646279 03	1.8380415 03
1.8000005 01	7.0808255 02	4.2076982 03	4.9157808 03
1.8200005 01	9.2545229 02	5.5467857 03	6.4722380 03
1.8400005 01	1.1202043 03	6.7594138 03	7.8796181 03
1.8500005 01	1.1962238 03	7.2390427 03	8.4352665 03
1.8600005 01	1.2519493 03	7.5962949 03	8.8482443 03
1.8800005 01	1.2910247 03	7.8691468 03	9.1601715 03
1.9000005 01	1.2301769 03	7.5225924 03	8.7527693 03
1.9200005 01	1.0877170 03	6.6536944 03	7.7414114 03
1.9300005 01	9.9706580 02	6.0860112 03	7.0830770 03
1.9500005 01	8.0406665 02	4.8362641 03	5.6403308 03
1.9700005 01	6.2927053 02	3.6195080 03	4.2487786 03
1.9800005 01	5.5869589 02	3.0766241 03	3.6353200 03
2.0000005 01	4.6260021 02	2.1794177 03	2.6420178 03
2.0200005 01	4.2968125 02	1.5502257 03	1.9799070 03
2.0300005 01	4.3454910 02	1.3279495 03	1.7624986 03
2.0400005 01	4.5080242 02	1.1579374 03	1.6087398 03
2.0500005 01	4.7558403 02	1.0317675 03	1.5073515 03
2.0600005 01	5.0565588 02	9.4072930 02	1.4463852 03
2.0700005 01	5.3760153 02	8.7637530 02	1.4139768 03
2.0800005 01	5.6803633 02	8.3092731 02	1.3989637 03
2.0900005 01	5.9383226 02	7.9755330 02	1.3913855 03
2.1000005 01	6.1232460 02	7.7054027 02	1.3828649 03
2.1100005 01	6.2149027 02	7.4538128 02	1.3668716 03
2.1200005 01	6.2007357 02	7.1879579 02	1.3388694 03
2.1300005 01	6.0764382 02	6.8867198 02	1.2963158 03
2.1400005 01	5.8458115 02	6.5396405 02	1.2385452 03
2.1500005 01	5.5198791 02	6.1453229 02	1.1665202 03
2.1700005 01	4.6529793 02	5.2432849 02	9.8962642 02
2.2000005 01	3.1391884 02	3.8028564 02	6.9420448 02
2.2500005 01	1.1735852 02	1.9529280 02	3.1265133 02
2.3000005 01	3.4541552 01	1.0937360 02	1.4391516 02
2.3500005 01	1.2617270 01	7.8182467 01	9.0799736 01
2.4000005 01	7.7741269 00	6.4686178 01	7.2460305 01
2.4500005 01	6.7753146 00	5.7008294 01	6.3783608 01
2.5000005 01	9.4323852 00	5.5276545 01	6.4708930 01
2.5500005 01	2.2968447 01	6.8660502 01	9.1628948 01
2.6000005 01	5.8501507 01	1.1166890 02	1.7017041 02
2.6500005 01	1.1073710 02	1.7768965 02	2.8842674 02
2.6800005 01	1.3534522 02	2.0910340 02	3.4444863 02
2.7000004 01	1.4299722 02	2.1877724 02	3.6177446 02
2.7100005 01	1.4354697 02	2.1935817 02	3.6290513 02

TABLE VII (Continued) T = 2.0 ev

E_n(ev)	σ_γ(barns)	σ_S(barns)	σ_T(barns)
2.7300005 01	1.3800564 02	2.1184640 02	3.4985204 02
2.7500005 01	1.2469677 02	1.9413689 02	3.1883366 02
2.8000005 01	7.4443169 01	1.2725342 02	2.0169659 02
2.8500005 01	3.1632919 01	6.9634232 01	1.0126715 02
2.9000005 01	1.0687652 01	4.0590313 01	5.1277965 01
3.0000005 01	2.0855071 00	2.6746969 01	2.8832476 01
3.1000005 01	1.3375631 00	2.3884061 01	2.5221625 01
3.2000005 01	1.0650448 00	2.2039828 01	2.3104873 01
3.3000005 01	8.9953743-01	2.0602137 01	2.1501674 01
3.4000005 01	7.8873527-01	1.9431512 01	2.0220247 01
3.5000005 01	7.1263708-01	1.8456087 01	1.9168724 01
3.6000005 01	6.6227090-01	1.7633152 01	1.8295423 01
3.7000005 01	6.3516465-01	1.6937636 01	1.7572800 01
3.8000005 01	6.6631024-01	1.6360340 01	1.7026650 01
3.8500005 01	7.9321961-01	1.6119735 01	1.6912954 01
3.9000005 01	1.1484961 00	1.5917280 01	1.7065776 01
3.9500004 01	1.8561796 00	1.5757344 01	1.7613523 01
4.0000005 01	2.8150139 00	1.5640173 01	1.8455187 01
4.0300005 01	3.3350111 00	1.5590300 01	1.8925311 01
4.0500005 01	3.5837897 00	1.5566715 01	1.9150504 01
4.0600004 01	3.6675328 00	1.5558357 01	1.9225890 01
4.0800005 01	3.7432544 00	1.5549984 01	1.9293237 01
4.1000005 01	3.6935465 00	1.5555398 01	1.9248945 01
4.1100005 01	3.6249375 00	1.5564535 01	1.9189473 01
4.1300005 01	3.4141256 00	1.5598801 01	1.9012926 01
4.1400005 01	3.2801336 00	1.5625427 01	1.8905560 01
4.1500005 01	3.1330150 00	1.5659537 01	1.8792552 01
4.1600005 01	2.9775753 00	1.5702138 01	1.8679713 01
4.1800005 01	2.6611932 00	1.5817738 01	1.8478931 01
4.2000005 01	2.3661000 00	1.5984890 01	1.8350990 01
4.2500005 01	1.8968737 00	1.6815464 01	1.8712338 01
4.3000005 01	2.0197867 00	1.8973888 01	2.0993675 01
4.3300005 01	2.5273111 00	2.1897576 01	2.4424887 01
4.3500005 01	3.1555063 00	2.5215098 01	2.8370604 01
4.4000005 01	6.5607500 00	4.2991934 01	4.9552683 01
4.4500005 01	1.4836421 01	8.6734982 01	1.0157141 02
4.5000005 01	3.1008560 01	1.7240543 02	2.0341399 02
4.5500005 01	5.5226443 01	2.9838492 02	3.5361136 02
4.6000005 01	8.1556088 01	4.2663955 02	5.0819564 02
4.6300005 01	9.4171557 01	4.7874103 02	5.7291259 02
4.6500005 01	1.0002068 02	4.9579209 02	5.9581276 02
4.6700005 01	1.0342642 02	4.9674351 02	6.0016992 02
4.6900005 01	1.0430751 02	4.8182963 02	5.8613714 02
4.7000005 01	1.0383532 02	4.6895346 02	5.7278878 02
4.7200004 01	1.0122794 02	4.3417559 02	5.3540352 02
4.7300005 01	9.9180086 01	4.1318015 02	5.1236023 02
4.7400005 01	9.6701405 01	3.9044091 02	4.8714231 02
4.7500005 01	9.3843295 01	3.6646579 02	4.6030909 02
4.7600005 01	9.0656752 01	3.4175070 02	4.3240745 02
4.7700005 01	8.7191245 01	3.1676390 02	4.0395514 02
4.7800005 01	8.3493891 01	2.9193113 02	3.7542503 02
4.7900005 01	7.9608900 01	2.6762841 02	3.4723731 02
4.8000005 01	7.5577740 01	2.4417223 02	3.1974996 02
4.8100005 01	7.1438570 01	2.2181808 02	2.9325664 02
4.8200005 01	6.7227519 01	2.0075927 02	2.6798679 02
4.8300005 01	6.2978448 01	1.8113137 02	2.4410982 02
4.8500005 01	5.4493454 01	1.4643997 02	2.0093342 02
4.8700005 01	4.6224553 01	1.1784906 02	1.6407361 02
4.9000005 01	3.4699864 01	8.5371662 01	1.2007153 02
4.9500005 01	1.9213201 01	5.2442822 01	7.1656023 01
5.0000005 01	9.2886112 00	3.5793098 01	4.5081710 01
5.1000005 01	1.8974757 00	2.3103729 01	2.5001204 01
5.2000004 01	7.5044039-01	1.9199466 01	1.9949906 01

TABLE VII (Continued) T = 2.0 ev

E_n(ev)	σ_γ(barns)	σ_S(barns)	σ_T(barns)
5.3000005 01	5.2187160-01	1.7364643 01	1.7886515 01
5.5000005 01	3.4695859-01	1.5409367 01	1.5756326 01
5.7000005 01	2.6740383-01	1.4308215 01	1.4575618 01
6.0000005 01	2.0847829-01	1.3264191 01	1.3472669 01
6.1000005 01	1.9854284-01	1.2998113 01	1.3196657 01
6.3000005 01	4.2590402-01	1.2532367 01	1.2958271 01
6.4000005 01	1.2994091 00	1.2358050 01	1.3657459 01
6.4500004 01	2.0212877 00	1.2305107 01	1.4326395 01
6.5000005 01	2.7215484 00	1.2273550 01	1.4995099 01
6.5200004 01	2.9322310 00	1.2263751 01	1.5195982 01
6.5400005 01	3.0794591 00	1.2253683 01	1.5333142 01
6.5500005 01	3.1253564 00	1.2248123 01	1.5373480 01
6.5700005 01	3.1565462 00	1.2235107 01	1.5391653 01
6.5900004 01	3.1054787 00	1.2218603 01	1.5324082 01
6.6000005 01	3.0503445 00	1.2208772 01	1.5259117 01
6.6200005 01	2.8868447 00	1.2185655 01	1.5072500 01
6.6500005 01	2.5352443 00	1.2142235 01	1.4677479 01
6.7000005 01	1.8093044 00	1.2050133 01	1.3859438 01
6.8000005 01	6.3974147-01	1.1839698 01	1.2479439 01
7.0000005 01	1.4940493-01	1.1503355 01	1.1652760 01
7.4000005 01	1.3054626-01	1.0993635 01	1.1124181 01
8.0000005 01	1.2511027-01	1.0327887 01	1.0452998 01
8.4000005 01	1.2762484-01	9.8982492 00	1.0025874 01
8.8000005 01	1.3740478-01	9.4475680 00	9.5849726 00
9.0000005 01	1.4726725-01	9.2035009 00	9.3507681 00
9.2000005 01	1.6379926-01	8.9392109 00	9.1030100 00
9.4000005 01	1.9465139-01	8.6493726 00	8.8440240 00
9.5000005 01	2.2233421-01	8.4977726 00	8.7201067 00
9.6000005 01	2.7735137-01	8.3839828 00	8.6613340 00
9.7000005 01	4.5771974-01	8.6194194 00	9.0771390 00
9.8000005 01	1.2800409 00	1.1030724 01	1.2310765 01
9.9000005 01	4.3781773 00	2.1685882 01	2.6064059 01
1.0000005 02	1.1904770 01	4.9089632 01	6.0994401 01
1.0050005 02	1.7070391 01	6.8447949 01	8.5518339 01
1.0100005 02	2.2096133 01	8.7727996 01	1.0982413 02
1.0120005 02	2.3792666 01	9.4395850 01	1.1818852 02
1.0150005 02	2.5758500 01	1.0235209 02	1.2811059 02
1.0180005 02	2.6848131 01	1.0713801 02	1.3398614 02
1.0200005 02	2.7024679 01	1.0830449 02	1.3532916 02
1.0250005 02	2.5527706 01	1.0395104 02	1.2947875 02
1.0280005 02	2.3469422 01	9.6899294 01	1.2036872 02
1.0300005 02	2.1739688 01	9.0789799 01	1.1252949 02
1.0350005 02	1.6732717 01	7.2660143 01	8.9392859 01
1.0400005 02	1.1690544 01	5.3963057 01	6.5653602 01
1.0500005 02	4.4349578 00	2.6254087 01	3.0689044 01
1.0600005 02	1.4345211 00	1.4107302 01	1.5541823 01
1.0700005 02	6.3829017-01	1.0338366 01	1.0976656 01
1.0800005 02	5.0771223-01	9.2035648 00	9.7112769 00
1.0900005 02	5.4097933-01	8.7375451 00	9.2785244 00
1.1000005 02	6.6365425-01	8.6214915 00	9.2851457 00
1.1100005 02	9.7637968-01	9.3821785 00	1.0358558 01
1.1200005 02	2.0515326 00	1.4360595 01	1.6412127 01
1.1300005 02	6.0900500 00	3.7134972 01	4.3225021 01
1.1400005 02	1.8186687 01	1.1032659 02	1.2851328 02
1.1500005 02	4.2694366 01	2.6410951 02	3.0680387 02
1.1550005 02	5.7953486 01	3.6213383 02	4.2008731 02
1.1580005 02	6.6779851 01	4.1976417 02	4.8654402 02
1.1600005 02	7.2115355 01	4.5508525 02	5.2720061 02
1.1620005 02	7.6777677 01	4.8641864 02	5.6319631 02
1.1650005 02	8.2113617 01	5.2335547 02	6.0546909 02
1.1680005 02	8.5036902 01	5.4537300 02	6.3040989 02
1.1700005 02	8.5499807 01	5.5073318 02	6.3623298 02
1.1720005 02	8.4746130 01	5.4838027 02	6.3312639 02

TABLE VII (Continued) T = 2.0 ev

E_n(ev)	σ_γ(barns)	σ_S(barns)	σ_T(barns)
1.1750005 02	8.1426496 01	5.3081979 02	6.1224628 02
1.1780005 02	7.5788074 01	4.9818711 02	5.7397517 02
1.1800005 02	7.0993855 01	4.6957770 02	5.4057155 02
1.1820005 02	6.5587559 01	4.3681284 02	5.0240040 02
1.1850005 02	5.6765372 01	3.8259641 02	4.3936178 02
1.1900005 02	4.1743187 01	2.8876211 02	3.3050529 02
1.2000005 02	1.7936860 01	1.3659665 02	1.5453351 02
1.2100005 02	6.1362535 00	5.8583849 01	6.4720102 01
1.2200005 02	2.0725146 00	3.0134180 01	3.2206694 01
1.2300005 02	9.3809080-01	2.1161236 01	2.2099327 01
1.2500005 02	4.4686565-01	1.6016674 01	1.6463540 01
1.2700005 02	3.0607696-01	1.3939287 01	1.4245365 01
1.2900005 02	2.4009098-01	1.2679831 01	1.2919921 01
1.3000005 02	2.2523957-01	1.2204510 01	1.2429750 01
1.3100005 02	2.4261187-01	1.1796462 01	1.2039074 01
1.3200005 02	3.6699681-01	1.1447271 01	1.1814268 01
1.3300005 02	7.4804289-01	1.1165421 01	1.1913464 01
1.3400005 02	1.4795035 00	1.0962439 01	1.2441943 01
1.3450005 02	1.9105233 00	1.0884447 01	1.2794970 01
1.3500005 02	2.3026742 00	1.0811949 01	1.3114623 01
1.3520005 02	2.4392817 00	1.0783377 01	1.3222658 01
1.3550005 02	2.5828545 00	1.0735113 01	1.3317968 01
1.3600005 02	2.6793495 00	1.0642759 01	1.3322109 01
1.3650005 02	2.5671906 00	1.0528219 01	1.3095409 01
1.3680005 02	2.4113299 00	1.0448540 01	1.2859869 01
1.3700005 02	2.2779574 00	1.0392000 01	1.2669958 01
1.3750005 02	1.8795505 00	1.0240227 01	1.2119777 01
1.3800005 02	1.4510622 00	1.0081992 01	1.1533054 01
1.3900005 02	7.5280482-01	9.7908178 00	1.0543623 01
1.4000005 02	4.3587264-01	9.6210063 00	1.0056879 01
1.4100005 02	5.6217386-01	9.8825561 00	1.0444730 01
1.4200005 02	1.4410036 00	1.1497100 01	1.2938104 01
1.4300005 02	3.7524489 00	1.6061967 01	1.9814416 01
1.4400005 02	7.7771833 00	2.4295702 01	3.2072884 01
1.4450005 02	1.0071379 01	2.9068213 01	3.9139592 01
1.4500005 02	1.2111866 01	3.3359517 01	4.5471383 01
1.4520005 02	1.2769169 01	3.4755548 01	4.7524717 01
1.4550005 02	1.3514663 01	3.6355730 01	4.9870393 01
1.4600005 02	1.3989032 01	3.7427009 01	5.1416041 01
1.4650005 02	1.3436328 01	3.6339801 01	4.9776129 01
1.4680005 02	1.2656272 01	3.4733972 01	4.7390245 01
1.4700005 02	1.1984084 01	3.3336091 01	4.5320175 01
1.4750005 02	9.9387485 00	2.9041606 01	3.8980354 01
1.4800005 02	7.6814169 00	2.4251208 01	3.1932625 01
1.4900005 02	3.7875971 00	1.5863634 01	1.9651232 01
1.5000005 02	1.5939729 00	1.1080187 01	1.2674160 01
1.5100005 02	8.4825205-01	9.8685232 00	1.0716775 01
1.5200005 02	1.0546368 00	1.2707158 01	1.3761794 01
1.5300005 02	2.2888944 00	2.3428381 01	2.5717275 01
1.5400005 02	5.0697998 00	4.8398652 01	5.3468451 01
1.5500005 02	9.4118670 00	8.8989094 01	9.8400960 01
1.5550005 02	1.1749651 01	1.1157730 02	1.2332695 02
1.5600005 02	1.3773969 01	1.3178266 02	1.4555663 02
1.5620005 02	1.4416562 01	1.3843836 02	1.5285493 02
1.5650005 02	1.5139636 01	1.4628292 02	1.6142255 02
1.5700005 02	1.5592532 01	1.5249856 02	1.6809109 02
1.5750005 02	1.5047870 01	1.4936928 02	1.6441714 02
1.5800005 02	1.3616455 01	1.3766893 02	1.5128538 02
1.5850005 02	1.1567571 01	1.1972461 02	1.3129218 02
1.5900005 02	9.2457396 00	9.8678186 01	1.0792393 02
1.6000005 02	4.9971801 00	5.8833603 01	6.3830783 01
1.6200005 02	1.0092650 00	1.9025860 01	2.0035124 01
1.6400005 02	3.8788743-01	1.1243945 01	1.1631833 01

TABLE VII (Continued) T = 2.0 ev

E_n(ev)	σ_γ(barns)	σ_S(barns)	σ_T(barns)
1.6600005 02	3.3244232-01	9.3070955 00	9.6395377 00
1.6800005 02	4.1420259-01	8.2140596 00	8.6282622 00
1.7000005 02	1.6575753 00	8.3295177 00	9.9870929 00
1.7100005 02	4.5047862 00	1.0690960 01	1.5195746 01
1.7200005 02	1.0793073 01	1.7102571 01	2.7895644 01
1.7300005 02	2.0880998 01	2.9112322 01	4.9993320 01
1.7350005 02	2.6642324 01	3.6992597 01	6.3634921 01
1.7400005 02	3.2042733 01	4.5453661 01	7.7496394 01
1.7420005 02	3.3933174 01	4.8831796 01	8.2764969 01
1.7450005 02	3.6367386 01	5.3750574 01	9.0117960 01
1.7500005 02	3.9058991 01	6.1086934 01	1.0014593 02
1.7550005 02	3.9677069 01	6.6594673 01	1.0627174 02
1.7600005 02	3.8295904 01	6.9788970 01	1.0808488 02
1.7620005 02	3.7221755 01	7.0324245 01	1.0754600 02
1.7650005 02	3.5132326 01	7.0313779 01	1.0544610 02
1.7670005 02	3.3493181 01	6.9800856 01	1.0329404 02
1.7700005 02	3.0765557 01	6.8329169 01	9.9094726 01
1.7750005 02	2.5757943 01	6.4236690 01	8.9994632 01
1.7780005 02	2.2704103 01	6.1091515 01	8.3795618 01
1.7800005 02	2.0715784 01	5.8828219 01	7.9544004 01
1.7850005 02	1.6063298 01	5.3041588 01	6.9104886 01
1.7900005 02	1.2120644 01	4.7970665 01	6.0091309 01
1.8000005 02	6.8130589 00	4.4402868 01	5.1215927 01
1.8100005 02	4.9473589 00	5.9135574 01	6.4082933 01
1.8200005 02	6.3663882 00	1.1081296 02	1.1717935 02
1.8300005 02	1.1505077 01	2.2913568 02	2.4064076 02
1.8400005 02	2.0895471 01	4.3970840 02	4.6060387 02
1.8500005 02	3.3229083 01	7.2203543 02	7.5526451 02
1.8600005 02	4.4313032 01	9.8595465 02	1.0302677 03
1.8650005 02	4.7636310 01	1.0712181 03	1.1188543 03
1.8700005 02	4.8716674 01	1.1070691 03	1.1557858 03
1.8750005 02	4.7374851 01	1.0882660 03	1.1356409 03
1.8800005 02	4.3844903 01	1.0189008 03	1.0627456 03
1.8900005 02	3.2612934 01	7.7931584 02	8.1192878 02
1.9000005 02	2.0415027 01	5.0792597 02	5.2834100 02
1.9200005 02	5.6384375 00	1.6556854 02	1.7120698 02
1.9400005 02	1.7210326 00	6.7459094 01	6.9180126 01
1.9600005 02	8.6704094-01	4.2631581 01	4.3498622 01
1.9800005 02	5.7896930-01	3.2686238 01	3.3265207 01
2.0000005 02	4.3958541-01	2.7053873 01	2.7493458 01
2.0200005 02	3.6449884-01	2.3343409 01	2.3707907 01
2.0500005 02	3.1622455-01	1.9566907 01	1.9883131 01
2.0800005 02	3.2673610-01	1.6911082 01	1.7237819 01
2.1000005 02	4.0726216-01	1.5543363 01	1.5950625 01
2.1100005 02	5.5145605-01	1.5018987 01	1.5570443 01
2.1200005 02	9.1359608-01	1.4753560 01	1.5667155 01
2.1300005 02	1.7172179 00	1.5225619 01	1.6942837 01
2.1400005 02	3.2307176 00	1.7956420 01	2.1187137 01
2.1500005 02	5.6811912 00	2.7070153 01	3.2751345 01
2.1550005 02	7.3228822 00	3.6540054 01	4.3862936 01
2.1600005 02	9.2942545 00	5.1283455 01	6.0577709 01
2.1630005 02	1.0657504 01	6.3383370 01	7.4040874 01
2.1650005 02	1.1650476 01	7.3032534 01	8.4683010 01
2.1680005 02	1.3275733 01	9.0113673 01	1.0338941 02
2.1700005 02	1.4453961 01	1.0334542 02	1.1779938 02
2.1720005 02	1.5710129 01	1.1810422 02	1.3381435 02
2.1730005 02	1.6367595 01	1.2606143 02	1.4242903 02
2.1750005 02	1.7740930 01	1.4311960 02	1.6086053 02
2.1770005 02	1.9188680 01	1.6165901 02	1.8084769 02
2.1800005 02	2.1485518 01	1.9203150 02	2.1351701 02
2.1850005 02	2.5554650 01	2.4806080 02	2.7361545 02
2.1900005 02	2.9682405 01	3.0730612 02	3.3698852 02
2.1950005 02	3.3483259 01	3.6426491 02	3.9774817 02

TABLE VII (Continued) T = 2.0 ev

E_n(ev)	σ_γ(barns)	σ_S(barns)	σ_T(barns)
2.2000005 02	3.6504883 01	4.1261162 02	4.4911650 02
2.2100005 02	3.8613517 01	4.6115698 02	4.9977050 02
2.2200005 02	3.4466695 01	4.2957873 02	4.6404542 02
2.2300005 02	2.5805615 01	3.3653576 02	3.6234137 02
2.2400005 02	1.6283498 01	2.2630035 02	2.4258385 02
2.2500005 02	8.8163069 00	1.3613593 02	1.4495224 02
2.2700005 02	2.0037077 00	4.9038187 01	5.1041895 01
2.3000005 02	4.7463882-01	2.5215732 01	2.5690371 01
2.3200005 02	3.4332117-01	2.1635604 01	2.1978926 01
2.3400005 02	2.9437493-01	1.9549985 01	1.9844360 01
2.3500005 02	2.8400297-01	1.8778384 01	1.9062387 01
2.3600005 02	2.8051229-01	1.8132044 01	1.8412556 01
2.3800005 02	2.9248954-01	1.7148300 01	1.7440790 01
2.4000005 02	3.3395224-01	1.6581559 01	1.6915511 01
2.4200005 02	4.2526319-01	1.6690682 01	1.7115945 01
2.4400005 02	6.5143414-01	1.8941129 01	1.9592563 01
2.4500005 02	9.2015898-01	2.2933926 01	2.3854085 01
2.4600005 02	1.4764458 00	3.2708276 01	3.4184722 01
2.4700005 02	2.6397305 00	5.5286380 01	5.7926111 01
2.4800005 02	4.9028836 00	1.0192345 02	1.0682632 02
2.4900005 02	8.7541690 00	1.8453034 02	1.9328452 02
2.5000005 02	1.4225653 01	3.0572243 02	3.1994809 02
2.5100005 02	2.0393767 01	4.4700226 02	4.6739602 02
2.5150005 02	2.3172800 01	5.1289779 02	5.3607060 02
2.5200005 02	2.5387348 01	5.6747446 02	5.9286180 02
2.5280005 02	2.7192370 01	6.1788975 02	6.4508211 02
2.5300005 02	2.7251942 01	6.2193639 02	6.4918832 02
2.5400005 02	2.5189496 01	5.8893918 02	6.1412867 02
2.5450005 02	2.2914564 01	5.4354056 02	5.6645512 02
2.5500005 02	2.0110804 01	4.8513066 02	5.0524147 02
2.5600005 02	1.3985268 01	3.5274466 02	3.6672993 02
2.5700005 02	8.6119446 00	2.3258310 02	2.4119505 02

TABLE VIII
W CROSS SECTIONS
W Temperature = 5.0 ev

Neutron Energy, E_n(ev)	Radiative Capture Cross Section, σ_γ(barns)	Scattering Cross Section, σ_S(barns)	Total Cross Section, σ_T(barns)
2.5300000-02	1.7466832 01	8.4117172 00	2.5878550 01
5.0000009-02	1.2466421 01	7.0906745 00	1.9557096 01
1.0000005-01	8.8756457 00	6.3428651 00	1.5218511 01
2.0000005-01	6.3646614 00	5.9498501 00	1.2314512 01
3.0000007-01	5.2726164 00	5.8102666 00	1.1082883 01
5.0000005-01	4.2110381 00	5.6831345 00	9.8941727 00
7.0000005-01	3.6786655 00	5.6131615 00	9.2918270 00
1.0000005 00	3.2534059 00	5.5385118 00	8.7919177 00
1.2000005 00	3.0974327 00	5.4957529 00	8.5931856 00
1.5000005 00	2.9816854 00	5.4336644 00	8.4153498 00
1.7000005 00	2.9697563 00	5.3908644 00	8.3606206 00
1.9000005 00	3.0115028 00	5.3449741 00	8.3564768 00
2.0000005 00	3.0561004 00	5.3202660 00	8.3763664 00
2.2000005 00	3.2111589 00	5.2657458 00	8.4769047 00
2.5000005 00	4.0057781 00	5.1722337 00	9.1780118 00
2.7000005 00	6.1823941 00	5.1266037 00	1.1308998 01
2.8000005 00	8.7947339 00	5.1359724 00	1.3930706 01
2.9000005 00	1.3395706 01	5.1960759 00	1.8591781 01
3.0000005 00	2.1054360 01	5.3418472 00	2.6396207 01
3.1000005 00	3.3020895 01	5.6172333 00	3.8638128 01
3.2000005 00	5.0509159 01	6.0693946 00	5.6578554 01
3.3000005 00	7.4361694 01	6.7383137 00	8.1100008 01
3.4000005 00	1.0466258 02	7.6435738 00	1.1230615 02
3.5000005 00	1.4041398 02	8.7715950 00	1.4918558 02
3.6000005 00	1.7940432 02	1.0067835 01	1.8947216 02
3.7000005 00	2.1836620 02	1.1437885 01	2.2980408 02
3.8000005 00	2.5343085 02	1.2758816 01	2.6618966 02
3.9000005 00	2.8079278 02	1.3899025 01	2.9469181 02
3.9500005 00	2.9059035 02	1.4363678 01	3.0495403 02
4.0000005 00	2.9741937 02	1.4741798 01	3.1216117 02
4.1000005 00	3.0160962 02	1.5206615 01	3.1681623 02
4.1300005 00	3.0038503 02	1.5266243 01	3.1565128 02
4.2000005 00	2.9326858 02	1.5262081 01	3.0853066 02
4.2500005 00	2.8479697 02	1.5140900 01	2.9993787 02
4.3000005 00	2.7383499 02	1.4928783 01	2.8876378 02
4.4000005 00	2.4591395 02	1.4270891 01	2.6018484 02
4.5000005 00	2.1273087 02	1.3381050 01	2.2611192 02
4.6000004 00	1.7755855 02	1.2362156 01	1.8992071 02
4.7000005 00	1.4324642 02	1.1310793 01	1.5455721 02
4.8000005 00	1.1192245 02	1.0305421 01	1.2222787 02
5.0000005 00	6.2687168 01	8.6259880 00	7.1313156 01
5.2000004 00	3.2098631 01	7.4900670 00	3.9588698 01
5.5000005 00	1.1402993 01	6.6160986 00	1.8019092 01
5.7000005 00	6.8852540 00	6.3784460 00	1.3263700 01
5.9000005 00	6.0749052 00	6.3077683 00	1.2382674 01
6.0000005 00	6.6719319 00	6.3263983 00	1.2998330 01
6.2000005 00	9.8220131 00	6.4833388 00	1.6305352 01
6.3000005 00	1.2487118 01	6.6320528 00	1.9119170 01
6.5000005 00	2.0300829 01	7.0957775 00	2.7396606 01
6.7000005 00	3.1408668 01	7.7894433 00	3.9198111 01
6.8000005 00	3.7942209 01	8.2098994 00	4.6152109 01
6.9000005 00	4.4829041 01	8.6622572 00	5.3491299 01
7.0000005 00	5.1755307 01	9.1275263 00	6.0882833 01
7.1000004 00	5.8358765 01	9.5831361 00	6.7941902 01
7.2000005 00	6.4260646 01	1.0004857 01	7.4265503 01
7.3000005 00	6.9102639 01	1.0369095 01	7.9471733 01
7.4000004 00	7.2583599 01	1.0655276 01	8.3238876 01
7.5000005 00	7.4491391 01	1.0847955 01	8.5339346 01
7.6000005 00	7.4723626 01	1.0938365 01	8.5661990 01
7.7000004 00	7.3296175 01	1.0925130 01	8.4221305 01
7.8000005 00	7.0337549 01	1.0814155 01	8.1151704 01
7.9000005 00	6.6071296 01	1.0617689 01	7.6688985 01
8.0000005 00	6.0788339 01	1.0352764 01	7.1141103 01

TABLE VIII (Continued) T = 5.0 ev

E_n(ev)	σ_γ(barns)	σ_S(barns)	σ_T(barns)
8.1000004 00	5.4816330 01	1.0039258 01	6.4855588 01
8.3000005 00	4.2109555 01	9.3485446 00	5.1458100 01
8.5000005 00	3.0205039 01	8.6918430 00	3.8896883 01
8.7000003 00	2.0491705 01	8.1656339 00	2.8657339 01
8.9000005 00	1.3422138 01	7.8083496 00	2.1230488 01
9.0000005 00	1.0823825 01	7.6922855 00	1.8516110 01
9.1000004 00	8.7670090 00	7.6138454 00	1.6380854 01
9.3000003 00	5.9690980 00	7.5527832 00	1.3521881 01
9.5000005 00	4.4276047 00	7.5908104 00	1.2018415 01
9.7000003 00	3.6521486 00	7.6991174 00	1.1351266 01
1.0000005 01	3.2249447 00	7.9525316 00	1.1177476 01
1.0500005 01	3.2230464 00	8.5532508 00	1.1776297 01
1.1000005 01	3.4617901 00	9.3730097 00	1.2834800 01
1.1500005 01	3.8067753 00	1.0469225 01	1.4276000 01
1.2000005 01	4.2570132 00	1.1942737 01	1.6199751 01
1.3000005 01	5.6109301 00	1.6744007 01	2.2354937 01
1.4000005 01	8.1119180 00	2.6746535 01	3.4858453 01
1.5000005 01	1.4238485 01	5.5338454 01	6.9576939 01
1.6000005 01	4.6144861 01	2.3285427 02	2.7899913 02
1.6500005 01	1.0608495 02	5.8527784 02	6.9136278 02
1.7000005 01	2.3501393 02	1.3581791 03	1.5931930 03
1.7500005 01	4.4638497 02	2.6398690 03	3.0862539 03
1.8000005 01	6.9291760 02	4.1408579 03	4.8337755 03
1.8200005 01	7.7846157 02	4.6574604 03	5.4359220 03
1.8400005 01	8.4573757 02	5.0549057 03	5.9006432 03
1.8500005 01	8.7079981 02	5.1967948 03	6.0675946 03
1.8600005 01	8.8954425 02	5.2961337 03	6.1856780 03
1.8800005 01	9.0743756 02	5.3600460 03	6.2674835 03
1.9000005 01	9.0015907 02	5.2448497 03	6.1450088 03
1.9200005 01	8.7143521 02	4.9678704 03	5.8393056 03
1.9300005 01	8.5082675 02	4.7785318 03	5.6293585 03
1.9500005 01	8.0140444 02	4.3237902 03	5.1251946 03
1.9700005 01	7.4682573 02	3.8052404 03	4.5520661 03
1.9800005 01	7.1955974 02	3.5359519 03	4.2555116 03
2.0000005 01	6.6806367 02	3.0021761 03	3.6702398 03
2.0200005 01	6.2298353 02	2.5011383 03	3.1241218 03
2.0300005 01	6.0319142 02	2.2701820 03	2.8733734 03
2.0400005 01	5.8514297 02	2.0547387 03	2.6398817 03
2.0500005 01	5.6863260 02	1.8558236 03	2.4244561 03
2.0600005 01	5.5336880 02	1.6738547 03	2.2272236 03
2.0700005 01	5.3900344 02	1.5087353 03	2.0477388 03
2.0800005 01	5.2515734 02	1.3599378 03	1.8850951 03
2.0900005 01	5.1144657 02	1.2266101 03	1.7380567 03
2.1000005 01	4.9750726 02	1.1076603 03	1.6051675 03
2.1100005 01	4.8301675 02	1.0018409 03	1.4848577 03
2.1200005 01	4.6770864 02	9.0783257 02	1.3755412 03
2.1300005 01	4.5138584 02	8.2430117 02	1.2756870 03
2.1400005 01	4.3392706 02	7.4996011 02	1.1838872 03
2.1500005 01	4.1528835 02	6.8360295 02	1.0988913 03
2.1700005 01	3.7465845 02	5.7058710 02	9.4524555 02
2.2000005 01	3.0762886 02	4.3776939 02	7.4539825 02
2.2500005 01	1.9556959 02	2.8015453 02	4.7572411 02
2.3000005 01	1.0672947 02	1.7735291 02	2.8408239 02
2.3500005 01	5.2120332 01	1.1611976 02	1.6824010 02
2.4000005 01	2.6688520 01	8.5207110 01	1.1189563 02
2.4500005 01	2.0948912 01	7.5229203 01	9.6178115 01
2.5000005 01	2.8405483 01	8.0922839 01	1.0932833 02
2.5500005 01	4.5277576 01	9.9045833 01	1.4432341 02
2.6000005 01	6.6822344 01	1.2398805 02	1.9081040 02
2.6500005 01	8.5521628 01	1.4598753 02	2.3150916 02
2.6800005 01	9.1995047 01	1.5328569 02	2.4528073 02
2.7000004 01	9.3557832 01	1.5464754 02	2.4820537 02
2.7100005 01	9.3454910 01	1.5419436 02	2.4764926 02

TABLE VIII (Continued) T = 5.0 ev

E_n(ev)	σ_γ(barns)	σ_S(barns)	σ_T(barns)
2.7300005 01	9.1499012 01	1.5103312 02	2.4253212 02
2.7500005 01	8.7365547 01	1.4505632 02	2.3242187 02
2.8000005 01	6.9890558 01	1.2083605 02	1.9072660 02
2.8500005 01	4.8221182 01	9.1138524 01	1.3935970 02
2.9000005 01	2.9019202 01	6.4673287 01	9.3692489 01
3.0000005 01	7.7285711 00	3.4356919 01	4.2085490 01
3.1000005 01	2.1587249 00	2.5103096 01	2.7261821 01
3.2000005 01	1.1699684 00	2.2269205 01	2.3439174 01
3.3000005 01	9.2669846-01	2.0702684 01	2.1629383 01
3.4000005 01	8.0531618-01	1.9502187 01	2.0307503 01
3.5000005 01	7.2615235-01	1.8511723 01	1.9237876 01
3.6000005 01	6.8362277-01	1.7682431 01	1.8366053 01
3.7000005 01	7.1924503-01	1.6989848 01	1.7709093 01
3.8000005 01	9.7778622-01	1.6429182 01	1.7406968 01
3.8500005 01	1.2496452 00	1.6202495 01	1.7452140 01
3.9000005 01	1.6164815 00	1.6017703 01	1.7634184 01
3.9500004 01	2.0322384 00	1.5886429 01	1.7918667 01
4.0000005 01	2.4223508 00	1.5858551 01	1.8280901 01
4.0300005 01	2.6113625 00	1.5922448 01	1.8533811 01
4.0500005 01	2.7124633 00	1.6019246 01	1.8731709 01
4.0600004 01	2.7556328 00	1.6090555 01	1.8846188 01
4.0800005 01	2.8291215 00	1.6293916 01	1.9123037 01
4.1000005 01	2.8905029 00	1.6604644 01	1.9495147 01
4.1100005 01	2.9194724 00	1.6812766 01	1.9732238 01
4.1300005 01	2.9832821 00	1.7367796 01	2.0351077 01
4.1400005 01	3.0212969 00	1.7730593 01	2.0751889 01
4.1500005 01	3.0665172 00	1.8162599 01	2.1229116 01
4.1600005 01	3.1218501 00	1.8675017 01	2.1796867 01
4.1800005 01	3.2755100 00	1.9992557 01	2.3268067 01
4.2000005 01	3.5107418 00	2.1801331 01	2.5312073 01
4.2500005 01	4.6877733 00	2.9480377 01	3.4168149 01
4.3000005 01	7.2424221 00	4.4102418 01	5.1344840 01
4.3300005 01	9.7439773 00	5.7629183 01	6.7373161 01
4.3500005 01	1.1909362 01	6.9052074 01	8.0961436 01
4.4000005 01	1.9291652 01	1.0689441 02	1.2618606 02
4.4500005 01	2.9519975 01	1.5741285 02	1.8693282 02
4.5000005 01	4.1920728 01	2.1588671 02	2.5780744 02
4.5500005 01	5.4907430 01	2.7292968 02	3.2783711 02
4.6000005 01	6.6261931 01	3.1673479 02	3.8299671 02
4.6300005 01	7.1345696 01	3.3223967 02	4.0358536 02
4.6500005 01	7.3765875 01	3.3714648 02	4.1091235 02
4.6700005 01	7.5316451 01	3.3749709 02	4.1281353 02
4.6900005 01	7.5952645 01	3.3333306 02	4.0928570 02
4.7000005 01	7.5923206 01	3.2962440 02	4.0554760 02
4.7200004 01	7.5178508 01	3.1918335 02	3.9436186 02
4.7300005 01	7.4473121 01	3.1257230 02	3.8704542 02
4.7400005 01	7.3555561 01	3.0512877 02	3.7868433 02
4.7500005 01	7.2435224 01	2.9693176 02	3.6936698 02
4.7600005 01	7.1123237 01	2.8806536 02	3.5918860 02
4.7700005 01	6.9631997 01	2.7861748 02	3.4824948 02
4.7800005 01	6.7975238 01	2.6867785 02	3.3665309 02
4.7900005 01	6.6167551 01	2.5833739 02	3.2450494 02
4.8000005 01	6.4224375 01	2.4768649 02	3.1191086 02
4.8100005 01	6.2161666 01	2.3681350 02	2.9897516 02
4.8200005 01	5.9995749 01	2.2580459 02	2.8580033 02
4.8300005 01	5.7743246 01	2.1474077 02	2.7248402 02
4.8500005 01	5.3044286 01	1.9275304 02	2.4579733 02
4.8700005 01	4.8193627 01	1.7139896 02	2.1959258 02
4.9000005 01	4.0893964 01	1.4150028 02	1.8239424 02
4.9500005 01	2.9485982 01	9.9596024 01	1.2908201 02
5.0000005 01	1.9932536 01	6.8784670 01	8.8717205 01
5.1000005 01	7.6492742 00	3.4966674 01	4.2615948 01
5.2000004 01	2.5297809 00	2.2615847 01	2.5145628 01

TABLE VIII (Continued) T = 5.0 ev

E_n(ev)	σ_γ(barns)	σ_S(barns)	σ_T(barns)
5.3000005 01	9.2520456-01	1.8349478 01	1.9274682 01
5.5000005 01	3.7178299-01	1.5584513 01	1.5956296 01
5.7000005 01	2.7467621-01	1.4375768 01	1.4650444 01
6.0000005 01	2.3043808-01	1.3287220 01	1.3517657 01
6.1000005 01	2.8552518-01	1.3016051 01	1.3301576 01
6.3000005 01	8.8968488-01	1.2575128 01	1.3464813 01
6.4000005 01	1.4760370 00	1.2412405 01	1.3888442 01
6.4500004 01	1.7549142 00	1.2343649 01	1.4098563 01
6.5000005 01	1.9630088 00	1.2279674 01	1.4242682 01
6.5200004 01	2.0170883 00	1.2254599 01	1.4271687 01
6.5400005 01	2.0517857 00	1.2229459 01	1.4281244 01
6.5500005 01	2.0613902 00	1.2216792 01	1.4278182 01
6.5700005 01	2.0650575 00	1.2191140 01	1.4256198 01
6.5900004 01	2.0476845 00	1.2164908 01	1.4212592 01
6.6000005 01	2.0314068 00	1.2151528 01	1.4182935 01
6.6200005 01	1.9840049 00	1.2124155 01	1.4108160 01
6.6500005 01	1.8795972 00	1.2081446 01	1.3961044 01
6.7000005 01	1.6360447 00	1.2005728 01	1.3641773 01
6.8000005 01	1.0471106 00	1.1841504 01	1.2888615 01
7.0000005 01	2.9340395-01	1.1516770 01	1.1810174 01
7.4000005 01	1.3121990-01	1.0994041 01	1.1125262 01
8.0000005 01	1.2551708-01	1.0324870 01	1.0450387 01
8.4000005 01	1.2830485-01	9.8927510 00	1.0021056 01
8.8000005 01	1.3900958-01	9.4382352 00	9.5772446 00
9.0000005 01	1.5024206-01	9.1915044 00	9.3417463 00
9.2000005 01	1.7217313-01	8.9306581 00	9.1028312 00
9.4000005 01	2.6533690-01	8.8271561 00	9.0924930 00
9.5000005 01	4.5905651-01	9.2458593 00	9.7049158 00
9.6000005 01	9.8817610-01	1.0837652 01	1.1825829 01
9.7000005 01	2.2286982 00	1.5011979 01	1.7240677 01
9.8000005 01	4.6193031 00	2.3481261 01	2.8100565 01
9.9000005 01	8.2974203 00	3.6926735 01	4.5224154 01
1.0000005 02	1.2641550 01	5.3233153 01	6.5874704 01
1.0050005 02	1.4633589 01	6.0892816 01	7.5526406 01
1.0100005 02	1.6223569 01	6.7163346 01	8.3386914 01
1.0120005 02	1.6703656 01	6.9115401 01	8.5819056 01
1.0150005 02	1.7226263 01	7.1326614 01	8.8552876 01
1.0180005 02	1.7492272 01	7.2596167 01	9.0088438 01
1.0200005 02	1.7521057 01	7.2891922 01	9.0412979 01
1.0250005 02	1.7076207 01	7.1692769 01	8.8768975 01
1.0280005 02	1.6476754 01	6.9710304 01	8.6187057 01
1.0300005 02	1.5954494 01	6.7916136 01	8.3870630 01
1.0350005 02	1.4299079 01	6.2057368 01	7.6356447 01
1.0400005 02	1.2303900 01	5.4815381 01	6.7119280 01
1.0500005 02	8.1063559 00	3.9191689 01	4.7298044 01
1.0600005 02	4.6553047 00	2.5963693 01	3.0618997 01
1.0700005 02	2.4635324 00	1.7250430 01	1.9713962 01
1.0800005 02	1.4247740 00	1.2909138 01	1.4333912 01
1.0900005 02	1.2984283 00	1.2465637 01	1.3764065 01
1.1000005 02	2.1333059 00	1.7049232 01	1.9182537 01
1.1100005 02	4.4920201 00	3.0691142 01	3.5183162 01
1.1200005 02	9.3868301 00	6.0157043 01	6.9543873 01
1.1300005 02	1.7744865 01	1.1184387 02	1.2958873 02
1.1400005 02	2.9397266 01	1.8544868 02	2.1484594 02
1.1500005 02	4.2183294 01	2.6802731 02	3.1021060 02
1.1550005 02	4.7813845 01	3.0525183 02	3.5306567 02
1.1580005 02	5.0637369 01	3.2429471 02	3.7493208 02
1.1600005 02	5.2222725 01	3.3518798 02	3.8741070 02
1.1620005 02	5.3539023 01	3.4443050 02	3.9796952 02
1.1650005 02	5.4961552 01	3.5487596 02	4.0983750 02
1.1680005 02	5.5675710 01	3.6089542 02	4.1657113 02
1.1700005 02	5.5744178 01	3.6233994 02	4.1808412 02
1.1720005 02	5.5485152 01	3.6170672 02	4.1719187 02

TABLE VIII (Continued) T = 5.0 ev

E_n(ev)	σ_γ(barns)	σ_S(barns)	σ_T(barns)
1.1750005 02	5.4496046 01	3.5692008 02	4.1141612 02
1.1780005 02	5.2825568 01	3.4774396 02	4.0056953 02
1.1800005 02	5.1365839 01	3.3937657 02	3.9074240 02
1.1820005 02	4.9658253 01	3.2938135 02	3.7903960 02
1.1850005 02	4.6696210 01	3.1172701 02	3.5842322 02
1.1900005 02	4.0962041 01	2.7687864 02	3.1784068 02
1.2000005 02	2.8386822 01	1.9868855 02	2.2707537 02
1.2100005 02	1.7212918 01	1.2770039 02	1.4491331 02
1.2200005 02	9.2465396 00	7.6065077 01	8.5311616 01
1.2300005 02	4.5088398 00	4.4600618 01	4.9109457 01
1.2500005 02	1.0136654 00	2.0064716 01	2.1078381 01
1.2700005 02	3.9080342-01	1.4627304 01	1.5018107 01
1.2900005 02	3.1616059-01	1.2892299 01	1.3208460 01
1.3000005 02	3.7307299-01	1.2360149 01	1.2733221 01
1.3100005 02	5.1272857-01	1.1928956 01	1.2441684 01
1.3200005 02	7.5125685-01	1.1573102 01	1.2324359 01
1.3300005 02	1.0725104 00	1.1275907 01	1.2348417 01
1.3400005 02	1.4142206 00	1.1021722 01	1.2435942 01
1.3450005 02	1.5625062 00	1.0905430 01	1.2467936 01
1.3500005 02	1.6790414 00	1.0793975 01	1.2473016 01
1.3520005 02	1.7150823 00	1.0750694 01	1.2465776 01
1.3550005 02	1.7543726 00	1.0687039 01	1.2441412 01
1.3600005 02	1.7829962 00	1.0585921 01	1.2368917 01
1.3650005 02	1.7649603 00	1.0494604 01	1.2259564 01
1.3680005 02	1.7353844 00	1.0447678 01	1.2183063 01
1.3700005 02	1.7086991 00	1.0421035 01	1.2129734 01
1.3750005 02	1.6294787 00	1.0377968 01	1.2007446 01
1.3800005 02	1.5445953 00	1.0383621 01	1.1928216 01
1.3900005 02	1.4631492 00	1.0648986 01	1.2112136 01
1.4000005 02	1.6810578 00	1.1489214 01	1.3170271 01
1.4100005 02	2.3901904 00	1.3206033 01	1.5596223 01
1.4200005 02	3.6683386 00	1.5959186 01	1.9627524 01
1.4300005 02	5.3891597 00	1.9539777 01	2.4928937 01
1.4400005 02	7.1876273 00	2.3248574 01	3.0436201 01
1.4450005 02	7.9563977 00	2.4834026 01	3.2790424 01
1.4500005 02	8.5518319 00	2.6063607 01	3.4615438 01
1.4520005 02	8.7293018 00	2.6430476 01	3.5159778 01
1.4550005 02	8.9225039 00	2.6831106 01	3.5753609 01
1.4600005 02	9.0371225 00	2.7075653 01	3.6112776 01
1.4650005 02	8.8885238 00	2.6789576 01	3.5678100 01
1.4680005 02	8.6797490 00	2.6382617 01	3.5062366 01
1.4700005 02	8.4952704 00	2.6025351 01	3.4520621 01
1.4750005 02	7.8992005 00	2.4894043 01	3.2793244 01
1.4800005 02	7.1601213 00	2.3557964 01	3.0718085 01
1.4900005 02	5.5384867 00	2.1109529 01	2.6648015 01
1.5000005 02	4.1919669 00	2.0548514 01	2.4740480 01
1.5100005 02	3.5476574 00	2.3756972 01	2.7304629 01
1.5200005 02	3.8080713 00	3.2155616 01	3.5963686 01
1.5300005 02	4.9320092 00	4.6063163 01	5.0995172 01
1.5400005 02	6.6409708 00	6.4007000 01	7.0647970 01
1.5500005 02	8.4581835 00	8.2495957 01	9.0954141 01
1.5550005 02	9.2307687 00	9.0475169 01	9.9705937 01
1.5600005 02	9.8241088 00	9.6818278 01	1.0664238 02
1.5620005 02	9.9992110 00	9.8784121 01	1.0878333 02
1.5650005 02	1.0187110 01	1.0104137 02	1.1122847 02
1.5700005 02	1.0287887 01	1.0282129 02	1.1310917 02
1.5750005 02	1.0117241 01	1.0203565 02	1.1215289 02
1.5800005 02	9.6891587 00	9.8775159 01	1.0846432 02
1.5850005 02	9.0383761 00	9.3327725 01	1.0236610 02
1.5900005 02	8.2152274 00	8.6136263 01	9.4351490 01
1.6000005 02	6.2935013 00	6.8714650 01	7.5008151 01
1.6200005 02	2.8175257 00	3.5681984 01	3.8499510 01
1.6400005 02	1.0551177 00	1.7425309 01	1.8480427 01

TABLE VIII (Continued) T = 5.0 ev

E_n(ev)	σ_γ(barns)	σ_S(barns)	σ_T(barns)
1.6600005 02	7.5769312-01	1.0983365 01	1.1741057 01
1.6800005 02	2.0069587 00	1.0201671 01	1.2208629 01
1.7000005 02	6.4419076 00	1.4485871 01	2.0927778 01
1.7100005 02	1.0359265 01	1.9308532 01	2.9667797 01
1.7200005 02	1.5180965 01	2.6024535 01	4.1205500 01
1.7300005 02	2.0195791 01	3.4069573 01	5.4265364 01
1.7350005 02	2.2458782 01	3.8269928 01	6.0728709 01
1.7400005 02	2.4383253 01	4.2390696 01	6.6773950 01
1.7420005 02	2.5027550 01	4.3974080 01	6.9001629 01
1.7450005 02	2.5843439 01	4.6253723 01	7.2097161 01
1.7500005 02	2.6756388 01	4.9744839 01	7.6501227 01
1.7550005 02	2.7066366 01	5.2811031 01	7.9877396 01
1.7600005 02	2.6776387 01	5.5506176 01	8.2282563 01
1.7620005 02	2.6499679 01	5.6512469 01	8.3012147 01
1.7650005 02	2.5927401 01	5.7996795 01	8.3924196 01
1.7670005 02	2.5449379 01	5.9001648 01	8.4451027 01
1.7700005 02	2.4608458 01	6.0602666 01	8.5211123 01
1.7750005 02	2.2945688 01	6.3805861 01	8.6751550 01
1.7780005 02	2.1842355 01	6.6278217 01	8.8120572 01
1.7800005 02	2.1083830 01	6.8259523 01	8.9343352 01
1.7850005 02	1.9182253 01	7.4773930 01	9.3956183 01
1.7900005 02	1.7400645 01	8.4316425 01	1.0171707 02
1.8000005 02	1.4754112 01	1.1670546 02	1.3145957 02
1.8100005 02	1.4013355 01	1.7361629 02	1.8762965 02
1.8200005 02	1.5536550 01	2.6020372 02	2.7574026 02
1.8300005 02	1.9087641 01	3.7447152 02	3.9355916 02
1.8400005 02	2.3859775 01	5.0424364 02	5.2810341 02
1.8500005 02	2.8630703 01	6.2767836 02	6.5630906 02
1.8600005 02	3.2077233 01	7.1869088 02	7.5076811 02
1.8650005 02	3.2957870 01	7.4476791 02	7.7772578 02
1.8700005 02	3.3184049 01	7.5584162 02	7.8902567 02
1.8750005 02	3.2708845 01	7.5077530 02	7.8348414 02
1.8800005 02	3.1582655 01	7.3058358 02	7.6216622 02
1.8900005 02	2.7649346 01	6.5046370 02	6.7811306 02
1.9000005 02	2.2308720 01	5.3557701 02	5.5788573 02
1.9200005 02	1.1575260 01	2.9575331 02	3.0732857 02
1.9400005 02	4.7323133 00	1.3682960 02	1.4156191 02
1.9600005 02	1.7985635 00	6.5180321 01	6.6978884 01
1.9800005 02	8.2446526-01	3.9066224 01	3.9890689 01
2.0000005 02	5.1561507-01	2.9170190 01	2.9685805 01
2.0200005 02	3.9908000-01	2.4272430 01	2.4671510 01
2.0500005 02	3.4763603-01	1.9978369 01	2.0326005 01
2.0800005 02	4.9891159-01	1.7438305 01	1.7937217 01
2.1000005 02	1.0494899 00	1.7753550 01	1.8803040 01
2.1100005 02	1.6666498 00	1.9888735 01	2.1555384 01
2.1200005 02	2.6779452 00	2.4945794 01	2.7623740 01
2.1300005 02	4.2142522 00	3.4909331 01	3.9123583 01
2.1400005 02	6.4153086 00	5.2219011 01	5.8634320 01
2.1500005 02	9.3592571 00	7.9126418 01	8.8485675 01
2.1550005 02	1.1085158 01	9.6561756 01	1.0764692 02
2.1600005 02	1.2974638 01	1.1658165 02	1.2955629 02
2.1630005 02	1.4152849 01	1.2971983 02	1.4387268 02
2.1650005 02	1.4949792 01	1.3888953 02	1.5383932 02
2.1680005 02	1.6177878 01	1.5317249 02	1.6935037 02
2.1700005 02	1.7005791 01	1.6298239 02	1.7998817 02
2.1720005 02	1.7823922 01	1.7296243 02	1.9078635 02
2.1730005 02	1.8227648 01	1.7799889 02	1.9622653 02
2.1750005 02	1.9027140 01	1.8812866 02	2.0715580 02
2.1770005 02	1.9819339 01	1.9828259 02	2.1810193 02
2.1800005 02	2.0982357 01	2.1341473 02	2.3439709 02
2.1850005 02	2.2756272 01	2.3777643 02	2.6053270 02
2.1900005 02	2.4276639 01	2.6007875 02	2.8435539 02
2.1950005 02	2.5478944 01	2.7920860 02	3.0468754 02

TABLE VIII (Continued) T = 5.0 ev

E_n(ev)	σ_γ(barns)	σ_S(barns)	σ_T(barns)
2.2000005 02	2.6265654 01	2.9415248 02	3.2041813 02
2.2100005 02	2.6507153 01	3.0854580 02	3.3505295 02
2.2200005 02	2.4892505 01	3.0037341 02	3.2526591 02
2.2300005 02	2.1755201 01	2.7194914 02	2.9370434 02
2.2400005 02	1.7684725 01	2.2980701 02	2.4749173 02
2.2500005 02	1.3393264 01	1.8232101 02	1.9571428 02
2.2700005 02	6.2937838 00	9.9080515 01	1.0537430 02
2.3000005 02	1.4395342 00	3.7591310 01	3.9030844 01
2.3200005 02	5.9037436-01	2.5109870 01	2.5700245 01
2.3400005 02	3.6165902-01	2.0612371 01	2.0974029 01
2.3500005 02	3.2676584-01	1.9467326 01	1.9794092 01
2.3600005 02	3.1450292-01	1.8663526 01	1.8978028 01
2.3800005 02	3.3562458-01	1.7791173 01	1.8126797 01
2.4000005 02	4.4056500-01	1.8388290 01	1.8828856 01
2.4200005 02	7.7876491-01	2.3550511 01	2.4329276 01
2.4400005 02	1.7702382 00	4.2433259 01	4.4203496 01
2.4500005 02	2.7393998 00	6.2205627 01	6.4945026 01
2.4600005 02	4.1604237 00	9.2125465 01	9.6285887 01
2.4700005 02	6.0904602 00	1.3378025 02	1.3987071 02
2.4800005 02	8.4950100 00	1.8680933 02	1.9530434 02
2.4900005 02	1.1209608 01	2.4796623 02	2.5917583 02
2.5000005 02	1.3934195 01	3.1086725 02	3.2480143 02
2.5100005 02	1.6276813 01	3.6683426 02	3.8311108 02
2.5150005 02	1.7178965 01	3.8934020 02	4.0651916 02
2.5200005 02	1.7843982 01	4.0682874 02	4.2467272 02
2.5280005 02	1.8341071 01	4.2252265 02	4.4086372 02
2.5300005 02	1.8349630 01	4.2389618 02	4.4224580 02
2.5400005 02	1.7701711 01	4.1521789 02	4.3291960 02
2.5450005 02	1.6977705 01	4.0170536 02	4.1868306 02
2.5500005 02	1.6029689 01	3.8291581 02	3.9894550 02
2.5600005 02	1.3641711 01	3.3327859 02	3.4692030 02
2.5700005 02	1.0930973 01	2.7479092 02	2.8572189 02

TABLE IX

W CROSS SECTIONS

W Temperature = 10.0 ev

Neutron Energy, E_n(ev)	Radiative Capture Cross Section, σ_γ(barns)	Scattering Cross Section, σ_S(barns)	Total Cross Section, σ_T(barns)
2.5300000-02	1.7565083 01	1.0623110 01	2.8188193 01
5.0000009-02	1.2537660 01	8.4261919 00	2.0963852 01
1.0000005-01	8.9280232 00	7.0733451 00	1.6001368 01
2.0000005-01	6.4048341 00	6.3198370 00	1.2724671 01
3.0000007-01	5.3083484 00	6.0538141 00	1.1362163 01
5.0000005-01	4.2443511 00	5.8245536 00	1.0068905 01
7.0000005-01	3.7133503 00	5.7103195 00	9.4236697 00
1.0000005 00	3.2951849 00	5.6014546 00	8.8966395 00
1.2000005 00	3.1482648 00	5.5444777 00	8.6927425 00
1.5000005 00	3.0589018 00	5.4661503 00	8.5250521 00
1.7000005 00	3.1136470 00	5.4144189 00	8.5280659 00
2.0000005 00	3.6903494 00	5.3385891 00	9.0289385 00
2.2000005 00	5.1776944 00	5.3063985 00	1.0484093 01
2.5000005 00	1.2688126 01	5.3905474 00	1.8078673 01
2.7000005 00	2.4991947 01	5.6601110 00	3.0652058 01
2.8000005 00	3.4427041 01	5.8998671 00	4.0326908 01
2.9000005 00	4.6396457 01	6.2256603 00	5.2622117 01
3.0000005 00	6.0963852 01	6.6443582 00	6.7608211 01
3.1000005 00	7.7971093 01	7.1561727 00	8.5127266 01
3.2000005 00	9.7007944 01	7.7531863 00	1.0476113 02
3.3000005 00	1.1741230 02	8.4187155 00	1.2583100 02
3.4000005 00	1.3830381 02	9.1278324 00	1.4743165 02
3.5000005 00	1.5865123 02	9.8489647 00	1.6850020 02
3.6000005 00	1.7736581 02	1.0546673 01	1.8791249 02
3.7000005 00	1.9340263 02	1.1184723 01	2.0458735 02
3.8000005 00	2.0586387 02	1.1729651 01	2.1759352 02
4.0000005 00	2.1768179 02	1.2437954 01	2.3011975 02
4.1000005 00	2.1659425 02	1.2572346 01	2.2916660 02
4.3000005 00	2.0156518 02	1.2403133 01	2.1396831 02
4.4000005 00	1.8880289 02	1.2126021 01	2.0092892 02
4.5000005 00	1.7358581 02	1.1749136 01	1.8533494 02
4.6000004 00	1.5677195 02	1.1298365 01	1.6807032 02
4.7000005 00	1.3919601 02	1.0800422 01	1.4999643 02
4.8000005 00	1.2161389 02	1.0280893 01	1.3189479 02
5.0000005 00	8.8848804 01	9.2651596 00	9.8113963 01
5.2000004 00	6.1916691 01	8.3887902 00	7.0305481 01
5.5000005 00	3.5013348 01	7.4852796 00	4.2498628 01
5.7000005 00	2.5548983 01	7.1802089 00	3.2729193 01
5.9000005 00	2.1616113 01	7.0968435 00	2.8712956 01
6.0000005 00	2.1340076 01	7.1299296 00	2.8470006 01
6.2000005 00	2.3429107 01	7.3249288 00	3.0754036 01
6.3000005 00	2.5512728 01	7.4772391 00	3.2989967 01
6.5000005 00	3.1077140 01	7.8635674 00	3.8940707 01
6.7000005 00	3.7609414 01	8.3154774 00	4.5924891 01
6.8000005 00	4.0907623 01	8.5482288 00	4.9455852 01
6.9000005 00	4.4058266 01	8.7757168 00	5.2833983 01
7.0000005 00	4.6944195 01	8.9907899 00	5.5934985 01
7.1000004 00	4.9460338 01	9.1868191 00	5.8647158 01
7.2000005 00	5.1517469 01	9.3579746 00	6.0875444 01
7.3000005 00	5.3045282 01	9.4994607 00	6.2544743 01
7.4000004 00	5.3994935 01	9.6077328 00	6.3602668 01
7.5000005 00	5.4340461 01	9.6806245 00	6.4021086 01
7.6000005 00	5.4078901 01	9.7174015 00	6.3796303 01
7.7000004 00	5.3229320 01	9.7187333 00	6.2948054 01
7.8000005 00	5.1829619 01	9.6865559 00	6.1516174 01
7.9000005 00	4.9940226 01	9.6241403 00	5.9564367 01
8.0000005 00	4.7628322 01	9.5354872 00	5.7163809 01
8.1000004 00	4.4972470 01	9.4253340 00	5.4397804 01
8.3000005 00	3.8965030 01	9.1614247 00	4.8126455 01
8.5000005 00	3.2577789 01	8.8744674 00	4.1452256 01
8.7000003 00	2.6381300 01	8.6024273 00	3.4983727 01
8.9000005 00	2.0792994 01	8.3746500 00	2.9167644 01
9.0000005 00	1.8309513 01	8.2837014 00	2.6593215 01

TABLE IX (Continued) T = 10.0 ev

E_n(ev)	σ_γ(barns)	σ_S(barns)	σ_T(barns)
9.1000004 00	1.6056365 01	8.2101295 00	2.4266494 01
9.3000003 00	1.2256847 01	8.1180764 00	2.0374923 01
9.5000005 00	9.3600029 00	8.1000761 00	1.7460079 01
9.7000003 00	7.2558357 00	8.1527900 00	1.5408626 01
1.0000005 01	5.2683716 00	8.3519660 00	1.3620338 01
1.1000005 01	3.7593531 00	9.8949864 00	1.3654340 01
1.2000005 01	4.5411048 00	1.3032493 01	1.7573598 01
1.3000005 01	6.2819406 00	1.9823344 01	2.6105285 01
1.4000005 01	1.1108806 01	4.3003723 01	5.4112529 01
1.5000005 01	3.2950024 01	1.6531763 02	1.9826765 02
1.6000005 01	1.2166821 02	6.8858092 02	8.1024912 02
1.6500005 01	2.1343812 02	1.2356107 03	1.4490489 03
1.7000005 01	3.3786890 02	1.9750046 03	2.3128735 03
1.7500005 01	4.7879725 02	2.7976182 03	3.2764154 03
1.8000005 01	6.0818457 02	3.5137894 03	4.1219739 03
1.8200005 01	6.4999021 02	3.7244247 03	4.3744149 03
1.8500005 01	6.9742050 02	3.9270675 03	4.6244879 03
1.8600005 01	7.0871199 02	3.9613306 03	4.6700426 03
1.8800005 01	7.2423046 02	3.9781019 03	4.7023323 03
1.9000005 01	7.3042782 02	3.9270214 03	4.6574492 03
1.9200005 01	7.2780970 02	3.8126036 03	4.5404134 03
1.9500005 01	7.0930703 02	3.5394808 03	4.2487878 03
1.9800005 01	6.7674844 02	3.1758807 03	3.8526292 03
2.0000005 01	6.4925728 02	2.9025843 03	3.5518416 03
2.0300005 01	6.0213622 02	2.4746757 03	3.0768119 03
2.0500005 01	5.6813658 02	2.1919255 03	2.7600621 03
2.0800005 01	5.1500065 02	1.7911366 03	2.3061373 03
2.1000005 01	4.7887221 02	1.5473972 03	2.0262694 03
2.1500005 01	3.8853565 02	1.0396906 03	1.4282262 03
2.1700005 01	3.5309635 02	8.7845470 02	1.2315511 03
2.2000005 01	3.0152519 02	6.7809972 02	9.7962491 02
2.2500005 01	2.2237026 02	4.3805398 02	6.6042424 02
2.3000005 01	1.5593335 02	2.8634785 02	4.4228120 02
2.3500005 01	1.0588136 02	1.9469104 02	3.0057240 02
2.4000005 01	7.3336934 01	1.4305616 02	2.1639309 02
2.4500005 01	5.6676114 01	1.1804416 02	1.7472028 02
2.5000005 01	5.2264436 01	1.1023707 02	1.6250151 02
2.5500005 01	5.5480253 01	1.1227304 02	1.6775329 02
2.6000005 01	6.1641793 01	1.1798701 02	1.7962881 02
2.6500005 01	6.6770389 01	1.2240609 02	1.8917648 02
2.6800005 01	6.8171592 01	1.2296296 02	1.9113455 02
2.7000004 01	6.8189095 01	1.2218548 02	1.9037458 02
2.7300005 01	6.6754533 01	1.1918463 02	1.8593917 02
2.7500005 01	6.4848237 01	1.1598949 02	1.8083772 02
2.8000005 01	5.7243954 01	1.0443370 02	1.6167766 02
2.8500005 01	4.6931361 01	8.9500803 01	1.3643216 02
2.9000005 01	3.5823559 01	7.3653125 01	1.0947668 02
3.0000005 01	1.7167321 01	4.6913020 01	6.4080342 01
3.1000005 01	6.7398027 00	3.1319676 01	3.8059479 01
3.2000005 01	2.5646777 00	2.4264095 01	2.6828772 01
3.3000005 01	1.2583700 00	2.1256418 01	2.2514788 01
3.4000005 01	8.8991302-01	1.9694868 01	2.0584780 01
3.5000005 01	7.8364198-01	1.8623989 01	1.9407630 01
3.6000005 01	7.9614093-01	1.7778853 01	1.8574994 01
3.7000005 01	9.4695107-01	1.7103195 01	1.8050146 01
3.8000005 01	1.2827496 00	1.6684607 01	1.7967356 01
3.8500005 01	1.5236897 00	1.6653473 01	1.8177163 01
3.9000005 01	1.8195906 00	1.6876109 01	1.8695700 01
3.9500004 01	2.1838815 00	1.7552165 01	1.9736047 01
4.0000005 01	2.6598894 00	1.9018118 01	2.1678007 01
4.1000005 01	4.3350935 00	2.6580431 01	3.0915524 01
4.1500005 01	5.8598553 00	3.4286560 01	4.0146415 01
4.1800005 01	7.1174852 00	4.0712286 01	4.7829771 01

TABLE IX (Continued) T = 10.0 ev

E_n(ev)	σ_γ(barns)	σ_S(barns)	σ_T(barns)
4.2000005 01	8.1293899 00	4.5870165 01	5.3999556 01
4.2500005 01	1.1362153 01	6.2163455 01	7.3525607 01
4.3000005 01	1.5712394 01	8.3586889 01	9.9299282 01
4.3300005 01	1.8875872 01	9.8820151 01	1.1769602 02
4.3500005 01	2.1203115 01	1.0985037 02	1.3105349 02
4.4000005 01	2.7668186 01	1.3972793 02	1.6739611 02
4.4500005 01	3.4726142 01	1.7101793 02	2.0574408 02
4.5000005 01	4.1800772 01	2.0075058 02	2.4255135 02
4.5500005 01	4.8194339 01	2.2564516 02	2.7383949 02
4.6000005 01	5.3202482 01	2.4272042 02	2.9592290 02
4.6300005 01	5.5291146 01	2.4829676 02	3.0358790 02
4.6500005 01	5.6242136 01	2.4990042 02	3.0614255 02
4.6700005 01	5.6818717 01	2.4978409 02	3.0660280 02
4.7000005 01	5.6962966 01	2.4643459 02	3.0339756 02
4.7300005 01	5.6246995 01	2.3948038 02	2.9572737 02
4.7500005 01	5.5310526 01	2.3302411 02	2.8833463 02
4.7800005 01	5.3269777 01	2.2097640 02	2.7424618 02
4.8000005 01	5.1527130 01	2.1161899 02	2.6314613 02
4.8200005 01	4.9518811 01	2.0141897 02	2.5093778 02
4.8300005 01	4.8426936 01	1.9606358 02	2.4449052 02
4.8500005 01	4.6092979 01	1.8496336 02	2.3105634 02
4.8700005 01	4.3593658 01	1.7350334 02	2.1709700 02
4.9000005 01	3.9626831 01	1.5603722 02	1.9566405 02
4.9500005 01	3.2772579 01	1.2753658 02	1.6030916 02
5.0000005 01	2.6101404 01	1.0151567 02	1.2761707 02
5.1000005 01	1.4865986 01	6.1185056 01	7.6051042 01
5.2000004 01	7.4339179 00	3.6998383 01	4.4432300 01
5.3000005 01	3.3651694 00	2.4659986 01	2.8025155 01
5.5000005 01	7.0468389-01	1.6491352 01	1.7196036 01
5.7000005 01	3.1439649-01	1.4548564 01	1.4862960 01
6.0000005 01	3.5612098-01	1.3338539 01	1.3694660 01
6.1000005 01	4.9862423-01	1.3062133 01	1.3560757 01
6.3000005 01	1.0208961 00	1.2620610 01	1.3641505 01
6.4000005 01	1.3036862 00	1.2443085 01	1.3746771 01
6.4500004 01	1.4121408 00	1.2361617 01	1.3773758 01
6.5000005 01	1.4842111 00	1.2283369 01	1.3767580 01
6.5200004 01	1.5011186 00	1.2252696 01	1.3753815 01
6.5500005 01	1.5127691 00	1.2207129 01	1.3719898 01
6.5700005 01	1.5112389 00	1.2176954 01	1.3688194 01
6.6000005 01	1.4950811 00	1.2131847 01	1.3626928 01
6.6200005 01	1.4753432 00	1.2101809 01	1.3577152 01
6.6500005 01	1.4331312 00	1.2056712 01	1.3489844 01
6.7000005 01	1.3332572 00	1.1981232 01	1.3314490 01
6.8000005 01	1.0596322 00	1.1828822 01	1.2888454 01
7.0000005 01	5.0871719-01	1.1526845 01	1.2035563 01
7.4000005 01	1.4511515-01	1.0996087 01	1.1141202 01
8.0000005 01	1.2624150-01	1.0319961 01	1.0446203 01
8.4000005 01	1.2957518-01	9.8834821 00	1.0013057 01
8.8000005 01	1.4360616-01	9.4262211 00	9.5698272 00
9.0000005 01	1.7288413-01	9.2276220 00	9.4005061 00
9.2000005 01	3.1138847-01	9.3612963 00	9.6726847 00
9.4000005 01	9.1670666-01	1.1118364 01	1.2035071 01
9.5000005 01	1.6334540 00	1.3500314 01	1.5133768 01
9.6000005 01	2.7828129 00	1.7494438 01	2.0277251 01
9.7000005 01	4.4234601 00	2.3361624 01	2.7785085 01
9.8000005 01	6.4858406 00	3.0896813 01	3.7382653 01
9.9000005 01	8.7285877 00	3.9249167 01	4.7977754 01
1.0000005 02	1.0762676 01	4.6990079 01	5.7752754 01
1.0050005 02	1.1564232 01	5.0113861 01	6.1678093 01
1.0100005 02	1.2157028 01	5.2488192 01	6.4645219 01
1.0150005 02	1.2506865 01	5.3978508 01	6.6485373 01
1.0200005 02	1.2592782 01	5.4492546 01	6.7085328 01
1.0250005 02	1.2412952 01	5.4012438 01	6.6425389 01

TABLE IX (Continued) T = 10.0 ev

E_n(ev)	σ_γ(barns)	σ_S(barns)	σ_T(barns)
1.0300005 02	1.1983490 01	5.2588992 01	6.4572482 01
1.0350005 02	1.1336808 01	5.0336456 01	6.1673264 01
1.0400005 02	1.0518813 01	4.7424183 01	5.7942996 01
1.0500005 02	8.5958680 00	4.0494261 01	4.9090129 01
1.0600005 02	6.6982216 00	3.3752294 01	4.0450515 01
1.0700005 02	5.2879809 00	2.9260592 01	3.4548573 01
1.0800005 02	4.7553342 00	2.9046470 01	3.3801805 01
1.0900005 02	5.4196422 00	3.5102561 01	4.0522203 01
1.1000005 02	7.5326143 00	4.9292145 01	5.6824760 01
1.1100005 02	1.1232894 01	7.2920756 01	8.4153650 01
1.1200005 02	1.6439747 01	1.0594548 02	1.2238522 02
1.1300005 02	2.2732473 01	1.4612320 02	1.6885567 02
1.1400005 02	2.9304374 01	1.8864157 02	2.1794595 02
1.1500005 02	3.5066931 01	2.2672514 02	2.6179207 02
1.1550005 02	3.7290250 01	2.4183711 02	2.7912736 02
1.1600005 02	3.8913083 01	2.5326810 02	2.9218119 02
1.1700005 02	4.0049886 01	2.6297463 02	3.0302451 02
1.1800005 02	3.8258137 01	2.5408390 02	2.9234204 02
1.1850005 02	3.6373035 01	2.4323934 02	2.7961237 02
1.1900005 02	3.3956042 01	2.2888765 02	2.6284369 02
1.2000005 02	2.8038571 01	1.9281380 02	2.2085237 02
1.2100005 02	2.1576263 01	1.5257048 02	1.7414675 02
1.2200005 02	1.5508961 01	1.1418278 02	1.2969175 02
1.2300005 02	1.0448109 01	8.1694438 01	9.2142547 01
1.2500005 02	4.0083784 00	3.9331655 01	4.3340033 01
1.2700005 02	1.3958431 00	2.0970639 01	2.2366482 01
1.2900005 02	7.0442659-01	1.4564953 01	1.5269379 01
1.3000005 02	6.8166444-01	1.3217713 01	1.3899377 01
1.3100005 02	7.6534956-01	1.2398855 01	1.3164204 01
1.3200005 02	9.0986695-01	1.1862868 01	1.2772735 01
1.3300005 02	1.0817069 00	1.1489428 01	1.2571136 01
1.3400005 02	1.2554800 00	1.1228107 01	1.2483588 01
1.3500005 02	1.4199209 00	1.1088387 01	1.2508309 01
1.3600005 02	1.5793179 00	1.1096558 01	1.2675876 01
1.3650005 02	1.6648961 00	1.1173992 01	1.2838888 01
1.3700005 02	1.7612414 00	1.1312467 01	1.3073708 01
1.3750005 02	1.8747365 00	1.1521695 01	1.3396431 01
1.3800005 02	2.0121147 00	1.1811091 01	1.3823206 01
1.3900005 02	2.3842021 00	1.2661223 01	1.5045424 01
1.4000005 02	2.9162252 00	1.3901285 01	1.6817510 01
1.4100005 02	3.6105122 00	1.5493808 01	1.9104319 01
1.4200005 02	4.4210519 00	1.7326647 01	2.1747698 01
1.4300005 02	5.2541590 00	1.9215989 01	2.4470147 01
1.4400005 02	5.9883693 00	2.0957328 01	2.6945697 01
1.4450005 02	6.2811266 00	2.1722420 01	2.8003546 01
1.4500005 02	6.5086529 00	2.2405965 01	2.8914618 01
1.4550005 02	6.6637248 00	2.3013817 01	2.9677542 01
1.4600005 02	6.7437403 00	2.3565550 01	3.0309290 01
1.4650005 02	6.7509991 00	2.4094926 01	3.0845924 01
1.4700005 02	6.6928038 00	2.4649720 01	3.1342524 01
1.4750005 02	6.5809355 00	2.5289742 01	3.1870677 01
1.4800005 02	6.4308193 00	2.6083748 01	3.2514567 01
1.4900005 02	6.0888672 00	2.8426037 01	3.4514904 01
1.5000005 02	5.8156789 00	3.2215397 01	3.8031076 01
1.5100005 02	5.7325837 00	3.7777886 01	4.3510469 01
1.5200005 02	5.8965467 00	4.5050241 01	5.0946788 01
1.5300005 02	6.2827934 00	5.3485077 01	5.9767870 01
1.5400005 02	6.7917200 00	6.2087150 01	6.8878870 01
1.5500005 02	7.2776872 00	6.9593950 01	7.6871638 01
1.5600005 02	7.5900365 00	7.4760834 01	8.2350870 01
1.5700005 02	7.6141638 00	7.6668346 01	8.4282510 01
1.5800005 02	7.3001780 00	7.4950032 01	8.2250209 01

TABLE IX (Continued) T = 10.0 ev

E_n(ev)	σ_γ(barns)	σ_S(barns)	σ_T(barns)
1.5900005 02	6.6725707 00	6.9872112 01	7.6544682 01
1.6000005 02	5.8177099 00	6.2232835 01	6.8050544 01
1.6200005 02	3.9441977 00	4.3784216 01	4.7728413 01
1.6400005 02	2.7240771 00	2.7871842 01	3.0595918 01
1.6600005 02	2.9794746 00	1.8780083 01	2.1759557 01
1.6800005 02	5.2308441 00	1.6945576 01	2.2176420 01
1.7000005 02	9.5049478 00	2.1430384 01	3.0935331 01
1.7100005 02	1.2145439 01	2.5677634 01	3.7823074 01
1.7200005 02	1.4789991 01	3.1107966 01	4.5897956 01
1.7300005 02	1.7221005 01	3.7841429 01	5.5062433 01
1.7350005 02	1.8271783 01	4.1786589 01	6.0058373 01
1.7400005 02	1.9170642 01	4.6208405 01	6.5379048 01
1.7500005 02	2.0442976 01	5.6962704 01	7.7405679 01
1.7550005 02	2.0807883 01	6.3629353 01	8.4437235 01
1.7600005 02	2.1002386 01	7.1436352 01	9.2438738 01
1.7700005 02	2.0963675 01	9.1471371 01	1.1243505 02
1.7750005 02	2.0789678 01	1.0421829 02	1.2500797 02
1.7800005 02	2.0560459 01	1.1911602 02	1.3967648 02
1.7850005 02	2.0315302 01	1.3637577 02	1.5669106 02
1.7900005 02	2.0094058 01	1.5615653 02	1.7625059 02
1.8000005 02	1.9871935 01	2.0354756 02	2.2341950 02
1.8100005 02	2.0116798 01	2.6081637 02	2.8093317 02
1.8200005 02	2.0868490 01	3.2554353 02	3.4641201 02
1.8300005 02	2.2041180 01	3.9322713 02	4.1526831 02
1.8400005 02	2.3388806 01	4.5749440 02	4.8088321 02
1.8500005 02	2.4568226 01	5.1102738 02	5.3559561 02
1.8600005 02	2.5235973 01	5.4699780 02	5.7223376 02
1.8700005 02	2.5132908 01	5.6058822 02	5.8572112 02
1.8800005 02	2.4137223 01	5.5008084 02	5.7421806 02
1.8900005 02	2.2290086 01	5.1717194 02	5.3946202 02
1.9000005 02	1.9769520 01	4.6645179 02	4.8622131 02
1.9200005 02	1.3781984 01	3.3754705 02	3.5132903 02
1.9400005 02	8.2476110 00	2.1320911 02	2.2145673 02
1.9600005 02	4.3366987 00	1.2255779 02	1.2689449 02
1.9800005 02	2.1073486 00	6.8943819 01	7.1051167 01
2.0000005 02	1.0471447 00	4.1801224 01	4.2848368 01
2.0200005 02	6.2729787-01	2.9229455 01	2.9856752 01
2.0500005 02	6.0426882-01	2.2168118 01	2.2772387 01
2.0800005 02	1.3788316 00	2.3575702 01	2.4954534 01
2.1000005 02	2.7762951 00	3.2559042 01	3.5335337 01
2.1100005 02	3.8792059 00	4.1167617 01	4.5046822 01
2.1200005 02	5.2973692 00	5.3345526 01	5.8642895 01
2.1300005 02	7.0347311 00	6.9481414 01	7.6516145 01
2.1400005 02	9.0528785 00	8.9564191 01	9.8617069 01
2.1500005 02	1.1267666 01	1.1302264 02	1.2429031 02
2.1550005 02	1.2408020 01	1.2566160 02	1.3806962 02
2.1600005 02	1.3543149 01	1.3863610 02	1.5217925 02
2.1650005 02	1.4650030 01	1.5169836 02	1.6634839 02
2.1700005 02	1.5704263 01	1.6457243 02	1.8027669 02
2.1750005 02	1.6681101 01	1.7696383 02	1.9364494 02
2.1800005 02	1.7556137 01	1.8857021 02	2.0612635 02
2.1850005 02	1.8306660 01	1.9909449 02	2.1740114 02
2.1900005 02	1.8912495 01	2.0825619 02	2.2716868 02
2.2000005 02	1.9627137 01	2.2153414 02	2.4116128 02
2.2100005 02	1.9617156 01	2.2695835 02	2.4657550 02
2.2200005 02	1.8884203 01	2.2399884 02	2.4288305 02
2.2300005 02	1.7508568 01	2.1312686 02	2.3063544 02
2.2400005 02	1.5638442 01	1.9570539 02	2.1134383 02
2.2500005 02	1.3461599 01	1.7371397 02	1.8717557 02
2.2700005 02	8.9533121 00	1.2485259 02	1.3380591 02
2.3000005 02	3.7942511 00	6.4646917 01	6.8441167 01
2.3200005 02	1.9019136 00	4.0965167 01	4.2867081 01
2.3400005 02	9.6694053-01	2.8414499 01	2.9381440 01

TABLE IX (Continued) T = 10.0 ev

E_n(ev)	σ_γ(barns)	σ_S(barns)	σ_T(barns)
2.3500005 02	7.4208790-01	2.5154557 01	2.5896645 01
2.3600005 02	6.3128423-01	2.3446402 01	2.4077686 01
2.3800005 02	6.8366650-01	2.4341647 01	2.5025314 01
2.4000005 02	1.1130931 00	3.2384968 01	3.3498061 01
2.4200005 02	2.0678908 00	5.1631590 01	5.3699480 01
2.4400005 02	3.7399172 00	8.6981245 01	9.0721162 01
2.4500005 02	4.8703289 00	1.1151480 02	1.1638513 02
2.4600005 02	6.1725050 00	1.4022942 02	1.4640193 02
2.4700005 02	7.5950036 00	1.7209306 02	1.7968806 02
2.4800005 02	9.0592614 00	2.0544342 02	2.1450268 02
2.4900005 02	1.0464935 01	2.3808775 02	2.4855268 02
2.5000005 02	1.1700488 01	2.6752554 02	2.7922602 02
2.5100005 02	1.2657605 01	2.9125935 02	3.0391695 02
2.5150005 02	1.3002722 01	3.0029605 02	3.1329877 02
2.5200005 02	1.3247055 01	3.0715200 02	3.2039906 02
2.5300005 02	1.3412494 01	3.1375005 02	3.2716254 02
2.5400005 02	1.3139401 01	3.1050707 02	3.2364648 02
2.5500005 02	1.2457107 01	2.9785580 02	3.1031290 02

TABLE X

W CROSS SECTIONS

W Temperature = 20.0 ev

Neutron Energy, E_n(ev)	Radiative Capture Cross Section, σ_γ(barns)	Scattering Cross Section, σ_S(barns)	Total Cross Section, σ_T(barns)
2.5300000-02	1.7771795 01	1.4042736 01	3.1814532 01
5.0000009-02	1.2687781 01	1.0638029 01	2.3325810 01
1.0000005-01	9.0388459 00	8.3943104 00	1.7433157 01
2.0000005-01	6.4905918 00	7.0372294 00	1.3527821 01
3.0000007-01	5.3854372 00	6.5349314 00	1.1920368 01
5.0000005-01	4.3183251 00	6.1052869 00	1.0423612 01
7.0000005-01	3.7937736 00	5.9024105 00	9.6961841 00
1.0000005 00	3.4407354 00	5.7248542 00	9.1655896 00
1.2000005 00	3.4679368 00	5.6418929 00	9.1098297 00
1.5000005 00	4.3818076 00	5.5548844 00	9.9366920 00
1.7000005 00	6.2893732 00	5.5361194 00	1.1825493 01
2.0000005 00	1.3163628 01	5.6282696 00	1.8791898 01
2.2000005 00	2.1853304 01	5.8200980 00	2.7673402 01
2.5000005 00	4.2735953 01	6.3782573 00	4.9114210 01
2.7000005 00	6.1701034 01	6.9420128 00	6.8643047 01
2.8000005 00	7.2319196 01	7.2738199 00	7.9593016 01
2.9000005 00	8.3400429 01	7.6311017 00	9.1031532 01
3.0000005 00	9.4672570 01	8.0060072 00	1.0267858 02
3.1000005 00	1.0583867 02	8.3895674 00	1.1422824 02
3.3000005 00	1.2658994 02	9.1410246 00	1.3573097 02
3.5000005 00	1.4330887 02	9.8051167 00	1.5311398 02
3.7000005 00	1.5418860 02	1.0312872 01	1.6450147 02
4.0000005 00	1.5775687 02	1.0691891 01	1.6844876 02
4.3000005 00	1.4707184 02	1.0603863 01	1.5767571 02
4.5000005 00	1.3414706 02	1.0337674 01	1.4448473 02
4.8000005 00	1.1044240 02	9.7607279 00	1.2020313 02
5.0000005 00	9.4247996 01	9.3416033 00	1.0358960 02
5.2000004 00	7.9335539 01	8.9533338 00	8.8288873 01
5.5000005 00	6.1215706 01	8.5041199 00	6.9719826 01
5.7000005 00	5.2502110 01	8.3197551 00	6.0821864 01
5.9000005 00	4.6439616 01	8.2306481 00	5.4670264 01
6.0000005 00	4.4307881 01	8.2191410 00	5.2527022 01
6.2000005 00	4.1560821 01	8.2523327 00	4.9813154 01
6.5000005 00	4.0229211 01	8.4039483 00	4.8633159 01
6.7000005 00	4.0409218 01	8.5402847 00	4.8949503 01
6.8000005 00	4.0631903 01	8.6109281 00	4.9242831 01
6.9000005 00	4.0871299 01	8.6800356 00	4.9551335 01
7.0000005 00	4.1081430 01	8.7455506 00	4.9826981 01
7.2000005 00	4.1264576 01	8.8590970 00	5.0123673 01
7.3000005 00	4.1180700 01	8.9046249 00	5.0085324 01
7.4000004 00	4.0953334 01	8.9415641 00	4.9894898 01
7.5000005 00	4.0570873 01	8.9695201 00	4.9540393 01
7.7000004 00	3.9323859 01	8.9985280 00	4.8322386 01
7.9000005 00	3.7456956 01	8.9945922 00	4.6451548 01
8.0000005 00	3.6315170 01	8.9822703 00	4.5297440 01
8.3000005 00	3.2240779 01	8.9177566 00	4.1158536 01
8.5000005 00	2.9166343 01	8.8653934 00	3.8031736 01
8.7000003 00	2.5981146 01	8.8189347 00	3.4800081 01
9.0000005 00	2.1292352 01	8.7845445 00	3.0076897 01
9.3000003 00	1.7027726 01	8.8225183 00	2.5850245 01
9.5000005 00	1.4537639 01	8.9019293 00	2.3439568 01
9.7000003 00	1.2370931 01	9.0333371 00	2.1404268 01
1.0000005 01	9.7479885 00	9.3444114 00	1.9092400 01
1.1000005 01	5.6172467 00	1.1872127 01	1.7489373 01
1.2000005 01	6.3134423 00	2.0731360 01	2.7044803 01
1.3000005 01	1.2898072 01	5.7104797 01	7.0002868 01
1.4000005 01	3.6100288 01	1.8969945 02	2.2579974 02
1.5000005 01	9.7961998 01	5.4872478 02	6.4668678 02
1.6000005 01	2.1689275 02	1.2310528 03	1.4479455 03
1.6500005 01	2.9472805 02	1.6652938 03	1.9600218 03
1.7000005 01	3.7702079 02	2.1073546 03	2.4843754 03
1.7500005 01	4.5500695 02	2.4997517 03	2.9547587 03
1.8000005 01	5.1960288 02	2.7862867 03	3.3058896 03

TABLE X (Continued) T = 20.0 ev

E_n(ev)	σ_γ(barns)	σ_S(barns)	σ_T(barns)
1.8500005 01	5.6340259 02	2.9260806 03	3.4894832 03
1.9000005 01	5.8217376 02	2.9034590 03	3.4856327 03
1.9500005 01	5.7541581 02	2.7303663 03	3.3057822 03
2.0000005 01	5.4596461 02	2.4411402 03	2.9871048 03
2.0500005 01	4.9895623 02	2.0822765 03	2.5812327 03
2.1000005 01	4.4058909 02	1.7011360 03	2.1417251 03
2.1500005 01	3.7704101 02	1.3370511 03	1.7140921 03
2.2000005 01	3.1372373 02	1.0165848 03	1.3303085 03
2.2500005 01	2.5486765 02	7.5299759 02	1.0078653 03
2.3000005 01	2.0336885 02	5.4854299 02	7.5191184 02
2.3500005 01	1.6080216 02	3.9805851 02	5.5886066 02
2.4000005 01	1.2754439 02	2.9250626 02	4.2005064 02
2.4500005 01	1.0298291 02	2.2169841 02	3.2468132 02
2.5000005 01	8.5791519 01	1.7603030 02	2.6182183 02
2.5500005 01	7.4239935 01	1.4736039 02	2.2160033 02
2.6000005 01	6.6502730 01	1.2930166 02	1.9580439 02
2.7000004 01	5.6203160 01	1.0783635 02	1.6403951 02
2.8000005 01	4.6325559 01	9.0771386 01	1.3709695 02
2.9000005 01	3.4729575 01	7.2642354 01	1.0737193 02
3.0000005 01	2.3120632 01	5.5069231 01	7.8189862 01
3.1000005 01	1.3693813 01	4.0763724 01	5.4457536 01
3.2000005 01	7.3632773 00	3.0841709 01	3.8204986 01
3.3000005 01	3.7693900 00	2.4765494 01	2.8534884 01
3.4000005 01	2.0306252 00	2.1335043 01	2.3365668 01
3.5000005 01	1.3460854 00	1.9470965 01	2.0817050 01
3.6000005 01	1.2310719 00	1.8610545 01	1.9841617 01
3.7000005 01	1.4953333 00	1.8778424 01	2.0273757 01
3.8000005 01	2.1746754 00	2.0653313 01	2.2827989 01
3.8500005 01	2.7330959 00	2.2639563 01	2.5372658 01
3.9000005 01	3.4913113 00	2.5627041 01	2.9118352 01
3.9500004 01	4.5047247 00	2.9883722 01	3.4388446 01
4.0000005 01	5.8273785 00	3.5672369 01	4.1499747 01
4.1000005 01	9.6071941 00	5.2709979 01	6.2317174 01
4.1500005 01	1.2132036 01	6.4164283 01	7.6296318 01
4.2000005 01	1.5081743 01	7.7475720 01	9.2557462 01
4.2500005 01	1.8411796 01	9.2343352 01	1.1075515 02
4.3000005 01	2.2034403 01	1.0826965 02	1.3030405 02
4.3500005 01	2.5818731 01	1.2457716 02	1.5039590 02
4.4000005 01	2.9597102 01	1.4045079 02	1.7004789 02
4.5000005 01	3.6355392 01	1.6737404 02	2.0372943 02
4.6000005 01	4.0778780 01	1.8264749 02	2.2342627 02
4.6500005 01	4.1748739 01	1.8462477 02	2.2637351 02
4.7000005 01	4.1797264 01	1.8264784 02	2.2444510 02
4.7500005 01	4.0931646 01	1.7692503 02	2.1785667 02
4.8000005 01	3.9219901 01	1.6790817 02	2.0712807 02
4.9000005 01	3.3773963 01	1.4265903 02	1.7643299 02
4.9500005 01	3.0375603 01	1.2796817 02	1.5834377 02
5.0000005 01	2.6769013 01	1.1291848 02	1.3968749 02
5.1000005 01	1.9593750 01	8.4264337 01	1.0385809 02
5.2000004 01	1.3298540 01	6.0353929 01	7.3652469 01
5.3000005 01	8.4158129 00	4.2574656 01	5.0990469 01
5.5000005 01	2.8476271 00	2.3096836 01	2.5944464 01
5.7000005 01	9.3880336-01	1.6261367 01	1.7200171 01
6.0000005 01	5.8658752-01	1.3561636 01	1.4148223 01
6.1000005 01	6.8791458-01	1.3199936 01	1.3887851 01
6.3000005 01	9.5589389-01	1.2686257 01	1.3642151 01
6.4000005 01	1.0622813 00	1.2485078 01	1.3547360 01
6.4500004 01	1.0976039 00	1.2392346 01	1.3489950 01
6.5000005 01	1.1179707 00	1.2303567 01	1.3421538 01
6.5200004 01	1.1216267 00	1.2269004 01	1.3390631 01
6.5500005 01	1.1222473 00	1.2218048 01	1.3340296 01
6.6000005 01	1.1102622 00	1.2135210 01	1.3245471 01
6.6500005 01	1.0825316 00	1.2054573 01	1.3137105 01

TABLE X (Continued) T = 20.0 ev

E_n(ev)	σ_γ(barns)	σ_S(barns)	σ_T(barns)
6.7000005 01	1.0405274 00	1.1975765 01	1.3016293 01
6.8000005 01	9.2227778-01	1.1822565 01	1.2744843 01
7.0000005 01	6.2513759-01	1.1530385 01	1.2155522 01
7.4000005 01	2.2216051-01	1.1000948 01	1.1223109 01
8.0000005 01	1.2919658-01	1.0309901 01	1.0439098 01
8.4000005 01	1.3675275-01	9.8774299 00	1.0014183 01
8.8000005 01	2.4374581-01	9.7247123 00	9.9684581 00
9.0000005 01	4.9479499-01	1.0320263 01	1.0815058 01
9.2000005 01	1.1196451 00	1.2260905 01	1.3380550 01
9.4000005 01	2.3629444 00	1.6495581 01	1.8858526 01
9.5000005 01	3.2546452 00	1.9641574 01	2.2896219 01
9.6000005 01	4.3020761 00	2.3405871 01	2.7707947 01
9.7000005 01	5.4449007 00	2.7574837 01	3.3019738 01
9.8000005 01	6.5960905 00	3.1840782 01	3.8436872 01
9.9000005 01	7.6510200 00	3.5827922 01	4.3478942 01
1.0000005 02	8.5077622 00	3.9173598 01	4.7681360 01
1.0100005 02	9.0905455 00	4.1622132 01	5.0712677 01
1.0300005 02	9.3854853 00	4.3871957 01	5.3257442 01
1.0350005 02	9.3209261 00	4.4115779 01	5.3436704 01
1.0400005 02	9.2315289 00	4.4382574 01	5.3614103 01
1.0500005 02	9.0638839 00	4.5403084 01	5.4466968 01
1.0600005 02	9.0692748 00	4.7850618 01	5.6919893 01
1.0700005 02	9.4366608 00	5.2666999 01	6.2103659 01
1.0800005 02	1.0323055 01	6.0646838 01	7.0969893 01
1.0900005 02	1.1821002 01	7.2257308 01	8.4078310 01
1.1000005 02	1.3933225 01	8.7481629 01	1.0141486 02
1.1100005 02	1.6559461 01	1.0571928 02	1.2227874 02
1.1200005 02	1.9499489 01	1.2578012 02	1.4527961 02
1.1300005 02	2.2474610 01	1.4598561 02	1.6846022 02
1.1500005 02	2.7259136 01	1.7902546 02	2.0628460 02
1.1600005 02	2.8501618 01	1.8829719 02	2.1679882 02
1.1700005 02	2.8736721 01	1.9116663 02	2.1990335 02
1.1800005 02	2.7930586 01	1.8735207 02	2.1528265 02
1.2000005 02	2.3652489 01	1.6228489 02	1.8593738 02
1.2100005 02	2.0627166 01	1.4375018 02	1.6437734 02
1.2200005 02	1.7373234 01	1.2347400 02	1.4084723 02
1.2300005 02	1.4148564 01	1.0309130 02	1.1723986 02
1.2500005 02	8.5486431 00	6.6940766 01	7.5489408 01
1.2700005 02	4.6927260 00	4.1049459 01	4.5742185 01
1.2900005 02	2.5479329 00	2.5483047 01	2.8030980 01
1.3000005 02	1.9740765 00	2.0728878 01	2.2702954 01
1.3100005 02	1.6422813 00	1.7447620 01	1.9089902 01
1.3200005 02	1.4941446 00	1.5276932 01	1.6771076 01
1.3300005 02	1.4828060 00	1.3928204 01	1.5411010 01
1.3400005 02	1.5747762 00	1.3179741 01	1.4754517 01
1.3500005 02	1.7480243 00	1.2882474 01	1.4630499 01
1.3600005 02	1.9893697 00	1.2938036 01	1.4927406 01
1.3800005 02	2.6426499 00	1.3881404 01	1.6524054 01
1.4000005 02	3.4694040 00	1.5725808 01	1.9195212 01
1.4200005 02	4.3549868 00	1.8329571 01	2.2684557 01
1.4300005 02	4.7711304 00	1.9914475 01	2.4685605 01
1.4500005 02	5.4610233 00	2.3766638 01	2.9227662 01
1.4700005 02	5.9145755 00	2.8854873 01	3.4769448 01
1.4800005 02	6.0636815 00	3.1977044 01	3.8040726 01
1.5000005 02	6.2678773 00	3.9336518 01	4.5604395 01
1.5300005 02	6.4541810 00	5.1215844 01	5.7670024 01
1.5500005 02	6.4409477 00	5.6912908 01	6.3353855 01
1.5700005 02	6.2080666 00	5.8550834 01	6.4758901 01
1.5800005 02	6.0036819 00	5.7564814 01	6.3568496 01
1.6000005 02	5.5090715 00	5.2367133 01	5.7876204 01
1.6200005 02	5.1581578 00	4.4572678 01	4.9730835 01
1.6400005 02	5.3308103 00	3.6825392 01	4.2156202 01
1.6600005 02	6.3380918 00	3.1813106 01	3.8151198 01

TABLE X (Continued) T = 20.0 ev

E_n(ev)	σ_γ(barns)	σ_S(barns)	σ_T(barns)
1.6800005 02	8.2572781 00	3.1722887 01	3.9980165 01
1.7000005 02	1.0862420 01	3.8439963 01	4.9302382 01
1.7200005 02	1.3701403 01	5.4127872 01	6.7829274 01
1.7500005 02	1.7389526 01	1.0051647 02	1.1790599 02
1.7700005 02	1.9127118 01	1.4998843 02	1.6911555 02
1.8000005 02	2.0787076 01	2.4846074 02	2.6924781 02
1.8300005 02	2.1542603 01	3.5017817 02	3.7172077 02
1.8500005 02	2.1321353 01	3.9714610 02	4.1846745 02
1.8700005 02	2.0211588 01	4.1334427 02	4.3355585 02
1.8900005 02	1.8095837 01	3.9471290 02	4.1280874 02
1.9000005 02	1.6703061 01	3.7364182 02	3.9034487 02
1.9200005 02	1.3485305 01	3.1484098 02	3.2832628 02
1.9400005 02	1.0113774 01	2.4554630 02	2.5566008 02
1.9600005 02	7.0657423 00	1.7882438 02	1.8589013 02
1.9800005 02	4.6592311 00	1.2345598 02	1.2811522 02
2.0000005 02	3.0185667 00	8.3025572 01	8.6044138 01
2.0200005 02	2.1312209 00	5.7202118 01	5.9333338 01
2.0500005 02	2.0834347 00	4.1124560 01	4.3207994 01
2.0800005 02	3.4732447 00	4.6595074 01	5.0068319 01
2.1000005 02	5.1553683 00	6.0452544 01	6.5607911 01
2.1100005 02	6.1885772 00	7.0060724 01	7.6249301 01
2.1200005 02	7.3215418 00	8.1152396 01	8.8473938 01
2.1300005 02	8.5117305 00	9.3381952 01	1.0189368 02
2.1400005 02	9.7135581 00	1.0629774 02	1.1601130 02
2.1500005 02	1.0885547 01	1.1935201 02	1.3023755 02
2.1600005 02	1.1966241 01	1.3194603 02	1.4391227 02
2.1700005 02	1.2898758 01	1.4344436 02	1.5634312 02
2.1800005 02	1.3632548 01	1.5321707 02	1.6684962 02
2.1900005 02	1.4127474 01	1.6071565 02	1.7484313 02
2.2000005 02	1.4362272 01	1.6551596 02	1.7987824 02
2.2100005 02	1.4319808 01	1.6735416 02	1.8167396 02
2.2200005 02	1.3993881 01	1.6614062 02	1.8013449 02
2.2300005 02	1.3424357 01	1.6198694 02	1.7541130 02
2.2500005 02	1.1657667 01	1.4613499 02	1.5779265 02
2.2700005 02	9.4075466 00	1.2355071 02	1.3295825 02
2.3000005 02	6.0190607 00	8.7378004 01	9.3397064 01
2.3200005 02	4.2217240 00	6.7719349 01	7.1941072 01
2.3400005 02	2.9920282 00	5.4855413 01	5.7847441 01

TABLE XI

W CROSS SECTIONS

W Temperature = 50.0 ev

Neutron Energy, E_n(ev)	Radiative Capture Cross Section, σ_γ(barns)	Scattering Cross Section, σ_S(barns)	Total Cross Section, σ_T(barns)
2.5300000-02	1.8511851 01	2.1109192 01	3.9621042 01
5.0000009-02	1.3232037 01	1.5431798 01	2.8663835 01
1.0000005-01	9.4562310 00	1.1489593 01	2.0945824 01
2.0000005-01	7.0351677 00	8.9025588 00	1.5937727 01
3.0000007-01	6.1333908 00	7.8634675 00	1.3996859 01
5.0000005-01	5.9700554 00	6.9437492 00	1.2913805 01
7.0000005-01	7.2583665 00	6.5443849 00	1.3802752 01
1.0000005 00	1.1970211 01	6.3224044 00	1.8292615 01
1.2000005 00	1.7169583 01	6.3255472 00	2.3495130 01
1.5000005 00	2.8108771 01	6.5013278 00	3.4610099 01
1.7000005 00	3.7219848 01	6.7124634 00	4.3932312 01
2.0000005 00	5.2698414 01	7.1343665 00	5.9832780 01
2.2000005 00	6.3495690 01	7.4609475 00	7.0956637 01
2.5000005 00	7.9048900 01	7.9724464 00	8.7021346 01
2.7000005 00	8.8249173 01	8.3018522 00	9.6551025 01
2.8000005 00	9.2340188 01	8.4572611 00	1.0079745 02
3.0000005 00	9.9308946 01	8.7416316 00	1.0805057 02
3.5000005 00	1.0871312 02	9.2523107 00	1.1796543 02
4.0000005 00	1.0707761 02	9.4583568 00	1.1653597 02
4.5000005 00	9.7552369 01	9.4300032 00	1.0698237 02
4.8000005 00	8.9811538 01	9.3491812 00	9.9160719 01
5.0000005 00	8.4327363 01	9.2842284 00	9.3611592 01
5.2000004 00	7.8817049 01	9.2181006 00	8.8035150 01
5.5000005 00	7.0824745 01	9.1265250 00	7.9951270 01
5.7000005 00	6.5826364 01	9.0762625 00	7.4902626 01
6.0000005 00	5.8962907 01	9.0243292 00	6.7987236 01
6.5000005 00	4.9299840 01	9.0206346 00	5.8320474 01
7.0000005 00	4.1582323 01	9.1671271 00	5.0749449 01
7.5000005 00	3.5288831 01	9.5748663 00	4.4863698 01
8.0000005 00	2.9986633 01	1.0482407 01	4.0469040 01
8.5000005 00	2.5476922 01	1.2349272 01	3.7826194 01
9.0000005 00	2.1819133 01	1.5993175 01	3.7812308 01
9.5000005 00	1.9230114 01	2.2694528 01	4.1924642 01
9.7000003 00	1.8577042 01	2.6642067 01	4.5219108 01
1.0000005 01	1.8097648 01	1.0243323 10	1.0243323 10
1.1000005 01	2.2268941 01	8.4184134 01	1.0645307 02
1.2000005 01	3.9257718 01	1.9409998 02	2.3335770 02
1.3000005 01	7.4172286 01	3.9391464 02	4.6808692 02
1.4000005 01	1.2947519 02	6.9515611 02	8.2463129 02
1.5000005 01	2.0168409 02	1.0721393 03	1.2738233 03
1.6000005 01	2.8015180 02	1.4589221 03	1.7390739 03
1.6500005 01	3.1700712 02	1.6289623 03	1.9459694 03
1.7000005 01	3.4962567 02	1.7694478 03	2.1190735 03
1.8000005 01	3.9561244 02	1.9315885 03	2.3272009 03
1.9000005 01	4.0964749 02	1.9153873 03	2.3250347 03
2.0000005 01	3.9173238 02	1.7405040 03	2.1322363 03
2.1000005 01	3.4915086 02	1.4620066 03	1.8111574 03
2.2000005 01	2.9289601 02	1.1456673 03	1.4385634 03
2.3000005 01	2.3374661 02	8.4624442 02	1.0799911 03
2.4000005 01	1.7959373 02	5.9659198 02	7.7618571 02
2.5000005 01	1.3455306 02	4.0766146 02	5.4221452 02
2.6000005 01	9.9507804 01	2.7503934 02	3.7454714 02
2.7000004 01	7.3324773 01	1.8688909 02	2.6021386 02
2.8000005 01	5.4072385 01	1.3013809 02	1.8421048 02
2.9000005 01	3.9858877 01	9.3819229 01	1.3367811 02
3.0000005 01	2.9229467 01	7.0183545 01	9.9413012 01
3.1000005 01	2.1221216 01	5.4381229 01	7.5602445 01
3.2000005 01	1.5247633 01	4.3672019 01	5.8919652 01
3.3000005 01	1.0952664 01	3.6644039 01	4.7596702 01
3.4000005 01	8.0985173 00	3.2647168 01	4.0745685 01
3.5000005 01	6.5052083 00	3.1442452 01	3.7947660 01
3.6000005 01	6.0266272 00	3.2997743 01	3.9024370 01
3.7000005 01	6.5389951 00	3.7346779 01	4.3885774 01

TABLE XI (Continued) T = 50.0 ev

E_n(ev)	σ_γ(barns)	σ_S(barns)	σ_T(barns)
3.8000005 01	7.9275196 00	4.4465565 01	5.2393084 01
3.8500005 01	8.9120260 00	4.9010605 01	5.7922631 01
3.9000005 01	1.0066077 01	5.4152846 01	6.4218922 01
3.9500004 01	1.1367000 01	5.9823055 01	7.1190054 01
4.0000005 01	1.2793164 01	6.5934385 01	7.8727549 01
4.1000005 01	1.5901205 01	7.9022523 01	9.4923728 01
4.2000005 01	1.9124867 01	9.2343199 01	1.1146807 02
4.3000005 01	2.2166385 01	1.0465404 02	1.2682043 02
4.4000005 01	2.4725409 01	1.1471729 02	1.3944270 02
4.5000005 01	2.6541509 01	1.2149402 02	1.4803553 02
4.6000005 01	2.7432495 01	1.2431127 02	1.5174376 02
4.7000005 01	2.7321075 01	1.2296012 02	1.5028120 02
4.8000005 01	2.6245916 01	1.1771056 02	1.4395647 02
4.9000005 01	2.4343543 01	1.0922860 02	1.3357214 02
5.0000005 01	2.1824666 01	9.8445735 01	1.2027040 02
5.1000005 01	1.8935782 01	8.6394980 01	1.0533076 02
5.2000004 01	1.5921310 01	7.4058719 01	8.9980028 01
5.3000005 01	1.2994147 01	6.2254638 01	7.5248785 01
5.5000005 01	7.9888051 00	4.2353313 01	5.0342118 01
5.7000005 01	4.5298414 00	2.8651611 01	3.3181453 01
6.0000005 01	1.9196379 00	1.7904497 01	1.9824135 01
6.1000005 01	1.5168370 00	1.6072254 01	1.7589090 01
6.3000005 01	1.0845191 00	1.3866113 01	1.4950632 01
6.4000005 01	9.7449612-01	1.3220951 01	1.4195447 01
6.5000005 01	8.9754568-01	1.2755482 01	1.3653028 01
6.6000005 01	8.3606796-01	1.2408837 01	1.3244904 01
6.7000005 01	7.7918991-01	1.2139529 01	1.2918719 01
6.8000005 01	7.2124232-01	1.1920109 01	1.2641351 01
7.0000005 01	5.9663756-01	1.1566497 01	1.2163135 01
7.4000005 01	3.5728896-01	1.1011774 01	1.1369063 01
8.0000005 01	2.2739929-01	1.0475465 01	1.0702864 01
8.4000005 01	4.3265436-01	1.0838402 01	1.1271056 01
8.8000005 01	1.1574635 00	1.3029053 01	1.4186516 01
9.0000005 01	1.8178822 00	1.5268642 01	1.7086524 01
9.2000005 01	2.6980040 00	1.8431046 01	2.1129050 01
9.4000005 01	3.7708416 00	2.2530129 01	2.6300971 01
9.5000005 01	4.3629375 00	2.4921403 01	2.9284340 01
9.6000005 01	4.9819684 00	2.7539363 01	3.2521332 01
9.7000005 01	5.6212315 00	3.0392191 01	3.6013422 01
9.8000005 01	6.2761893 00	3.3499767 01	3.9775955 01
9.9000005 01	6.9452157 00	3.6895464 01	4.3840680 01
1.0000005 02	7.6302118 00	4.0625671 01	4.8255882 01
1.0100005 02	8.3361026 00	4.4745877 01	5.3081979 01
1.0300005 02	9.8411205 00	5.4385111 01	6.4226231 01
1.0400005 02	1.0656098 01	5.9991727 01	7.0647825 01
1.0500005 02	1.1519740 01	6.6140409 01	7.7660148 01
1.0700005 02	1.3383782 01	7.9878362 01	9.3262143 01
1.0800005 02	1.4361496 01	8.7250370 01	1.0161186 02
1.1000005 02	1.6293329 01	1.0207587 02	1.1836920 02
1.1200005 02	1.7964796 01	1.1532455 02	1.3328934 02
1.1500005 02	1.9326015 01	1.2757577 02	1.4690178 02
1.2000005 02	1.7173893 01	1.1778973 02	1.3496363 02
1.2300005 02	1.3761802 01	9.6741654 01	1.1050345 02
1.2500005 02	1.1217422 01	8.0249270 01	9.1466693 01
1.2700005 02	8.8266939 00	6.4178694 01	7.3005388 01
1.2900005 02	6.8183615 00	5.0064437 01	5.6882798 01
1.3000005 02	5.9996394 00	4.4043642 01	5.0043281 01
1.3100005 02	5.3136942 00	3.8794171 01	4.4107864 01
1.3200005 02	4.7602422 00	3.4334078 01	3.9094320 01
1.3300005 02	4.3341743 00	3.0653514 01	3.4987688 01
1.3500005 02	3.8274424 00	2.5492306 01	2.9319748 01
1.3600005 02	3.7226226 00	2.3910679 01	2.7633302 01
1.3800005 02	3.7422916 00	2.2450305 01	2.6192596 01

TABLE XI (Continued) T = 50.0 ev

E_n(ev)	σ_γ(barns)	σ_S(barns)	σ_T(barns)
1.4000005 02	3.9772464 00	2.7860173 01	2.6837419 01
1.4200005 02	4.3295476 00	2.4689454 01	2.9019002 01
1.4500005 02	4.9120582 00	2.9200414 01	3.4112472 01
1.4700005 02	5.2633751 00	3.2841816 01	3.8105191 01
1.5000005 02	5.6774905 00	3.8296200 01	4.3973691 01
1.5300005 02	5.9761799 00	4.2778859 01	4.8755039 01
1.5500005 02	6.1654863 00	4.4961415 01	5.1126901 01
1.5800005 02	6.5613141 00	4.7372082 01	5.3933396 01
1.6000005 02	6.9890733 00	4.9137493 01	5.6126566 01
1.6200005 02	7.6095718 00	5.1981843 01	5.9591414 01
1.6400005 02	8.4439666 00	5.6943777 01	6.5387743 01
1.6600005 02	9.4986731 00	6.5121279 01	7.4619952 01
1.6800005 02	1.0754656 01	7.7491342 01	8.8245997 01
1.7000005 02	1.2094576 01	9.4636348 01	1.0673093 02
1.7200005 02	1.3499662 01	1.1675019 02	1.3024985 02
1.7500005 02	1.5450845 01	1.5774715 02	1.7319799 02
1.8000005 02	1.7327015 01	2.2987273 02	2.4719974 02
1.8500005 02	1.6750937 01	2.7384669 02	2.9059762 02
1.8700005 02	1.5857174 01	2.7744966 02	2.9330683 02
1.8900005 02	1.4576877 01	2.6989276 02	2.8446963 02
1.9000005 02	1.3846095 01	2.6285829 02	2.7670438 02
1.9200005 02	1.2358863 01	2.4522263 02	2.5758150 02
1.9400005 02	1.0856060 01	2.2255990 02	2.3341596 02
1.9600005 02	9.3560017 00	1.9543490 02	2.0479089 02
1.9800005 02	8.1164659 00	1.6982738 02	1.7794385 02
2.0000005 02	7.1640925 00	1.4650134 02	1.5366544 02
2.0200005 02	6.5111283 00	1.2635072 02	1.3286185 02
2.0500005 02	6.2542197 00	1.0703966 02	1.1329388 02
2.0800005 02	6.6725614 00	9.8938730 01	1.0561129 02
2.1000005 02	7.2223494 00	9.8946732 01	1.0616908 02
2.1200005 02	7.8730698 00	1.0191615 02	1.0978923 02
2.1400005 02	8.5191831 00	1.0646687 02	1.1498605 02
2.1500005 02	8.8094584 00	1.0890769 02	1.1771715 02
2.1800005 02	9.4254193 00	1.1517685 02	1.2460227 02
2.2000005 02	9.5571825 00	1.1745577 02	1.2701295 02
2.2300005 02	9.2972993 00	1.1709574 02	1.2639304 02
2.2500005 02	8.8586351 00	1.1461436 02	1.2347299 02
2.2700005 02	8.2732265 00	1.1100890 02	1.1928213 02
2.3000005 02	7.2873406 00	1.0542663 02	1.1271397 02

TABLE XII

W CROSS SECTIONS

W Temperature = 100.0 ev

Neutron Energy, E_n(ev)	Radiative Capture Cross Section, σ_γ(barns)	Scattering Cross Section, σ_S(barns)	Total Cross Section, σ_T(barns)
2.5300000-02	3.7348517 01	2.9455968 01	6.6804479 01
5.0000009-02	2.8670786 01	2.1298711 01	4.9969497 01
1.0000005-01	2.3556135 01	1.5556446 01	3.9112580 01
2.0000005-01	2.2079213 01	1.1709527 01	3.3788740 01
5.0000005-01	2.8233115 01	8.8151381 00	3.7048253 01
7.0000005-01	3.4472424 01	8.2927861 00	4.2765210 01
1.0000005 00	4.4801532 01	8.0564270 00	5.2857959 01
1.2000005 00	5.1787781 01	8.0659456 00	5.9853726 01
1.5000005 00	6.1766094 01	8.1960345 00	6.9962129 01
1.7000005 00	6.7802004 01	8.3211441 00	7.6123148 01
2.0000005 00	7.5594654 01	8.5290928 00	8.4123747 01
2.2000005 00	7.9824025 01	8.6677780 00	8.8491803 01
2.5000005 00	8.4619717 01	8.8622189 00	9.3481935 01
3.0000005 00	8.8547653 01	9.1372157 00	9.7684868 01
3.5000005 00	8.7998382 01	9.3703966 00	9.7368778 01
4.0000005 00	8.4052993 01	9.6385107 00	9.3691504 01
4.5000005 00	7.7894625 01	1.0085667 01	8.7980293 01
4.8000005 00	7.3590929 01	1.0532582 01	8.4123511 01
5.0000005 00	7.0604486 01	1.0953124 01	8.1557610 01
5.5000005 00	6.3042054 01	1.2596819 01	7.5638873 01
5.7000005 00	6.0091407 01	1.3580228 01	7.3671636 01
6.0000005 00	5.5851877 01	1.5531658 01	7.1383536 01
6.5000005 00	4.9505600 01	2.0471317 01	6.9976917 01
7.0000005 00	4.4351063 01	2.8338982 01	7.2690045 01
7.5000005 00	4.0666342 01	4.0266280 01	8.0932621 01
8.0000005 00	3.8695869 01	5.7552600 01	9.6248469 01
8.5000005 00	3.8675324 01	8.1608261 01	1.2028359 02
9.0000005 00	4.0825773 01	1.1383264 02	1.5465842 02
9.5000005 00	4.5345130 01	1.5549635 02	2.0084148 02
1.0000005 01	5.2394501 01	2.0760357 02	2.5999807 02
1.1000005 01	7.4373240 01	3.4497784 02	4.1935108 02
1.2000005 01	1.0635665 02	5.2381567 02	6.3017232 02
1.3000005 01	1.4612719 02	7.3184724 02	8.7797443 02
1.4000005 01	1.8975341 02	9.4799248 02	1.1377459 03
1.5000005 01	2.3223945 02	1.1465857 03	1.3788251 03
1.7000005 01	2.9448158 02	1.3996331 03	1.6941146 03
1.8000005 01	3.0764603 02	1.4277608 03	1.7354068 03
1.9000005 01	3.0748209 02	1.3895611 03	1.6970432 03
2.0000005 01	2.9520902 02	1.2955931 03	1.5908022 03
2.2000005 01	2.4489134 02	1.0053532 03	1.2502446 03
2.3000005 01	2.1310673 02	8.4272957 02	1.0558363 03
2.4000005 01	1.8070889 02	6.8667239 02	8.6738127 02
2.5000005 01	1.4980297 02	5.4591442 02	6.9571739 02
2.6000005 01	1.2178430 02	4.2517615 02	5.4696045 02
2.7000004 01	9.7399635 01	3.2590835 02	4.2330799 02
2.8000005 01	7.6880399 01	2.4723633 02	3.2411673 02
2.9000005 01	6.0106653 01	1.8690765 02	2.4701430 02
3.0000005 01	4.6748001 01	1.4207731 02	1.8882531 02
3.1000005 01	3.6377930 01	1.0984365 02	1.4622157 02
3.2000005 01	2.8550975 01	8.7576338 01	1.1612731 02
3.3000005 01	2.2847183 01	7.3053147 01	9.5900330 01
3.4000005 01	1.8891062 01	6.4483038 01	8.3374100 01
3.5000005 01	1.6355753 01	6.0452518 01	7.6808270 01
3.7000005 01	1.4447739 01	6.1756686 01	7.6204424 01
3.9000005 01	1.5229350 01	7.0207425 01	8.5436774 01
4.0000005 01	1.6139777 01	7.5494059 01	9.1633836 01
4.1000005 01	1.7173860 01	8.0761485 01	9.7935345 01
4.2000005 01	1.8189780 01	8.5547406 01	1.0373719 02
4.3000005 01	1.9069021 01	8.9465790 01	1.0853481 02
4.5000005 01	2.0075730 01	9.3618399 01	1.1369413 02
4.6000005 01	2.0102781 01	9.3566044 01	1.1366883 02
4.8000005 01	1.9157599 01	8.9237933 01	1.0839553 02
5.0000005 01	1.7077756 01	8.0276055 01	9.7353811 01

TABLE XII (Continued) T = 100.0 ev

E_n(ev)	σ_γ(barns)	σ_S(barns)	σ_T(barns)
5.2000004 01	1.4290774 01	6.8536245 01	8.2827017 01
5.3000005 01	1.2785147 01	6.2259578 01	7.5044725 01
5.5000005 01	9.8244971 00	4.9996194 01	5.9820690 01
5.7000005 01	7.1948749 00	3.9153084 01	4.6347958 01
6.0000005 01	4.2127705 00	2.6849556 01	3.1062327 01
6.1000005 01	3.4843000 00	2.3831613 01	2.7315914 01
6.3000005 01	2.3727405 00	1.9206560 01	2.1579300 01
6.4000005 01	1.9629753 00	1.7493520 01	1.9456494 01
6.5000005 01	1.6319373 00	1.6106895 01	1.7738832 01
6.7000005 01	1.1549509 00	1.4107938 01	1.5262889 01
6.8000005 01	9.8681765-01	1.3406099 01	1.4392917 01
7.0000005 01	7.4879072-01	1.2420827 01	1.3169618 01
7.4000005 01	5.3276398-01	1.1528594 01	1.2061357 01
8.0000005 01	7.2013732-01	1.2074351 01	1.2794488 01
8.4000005 01	1.2990891 00	1.4158622 01	1.5457711 01
8.8000005 01	2.3746738 00	1.8479224 01	2.0853898 01
9.0000005 01	3.1195253 00	2.1738197 01	2.4857722 01
9.2000005 01	4.0028594 00	2.5856081 01	2.9858941 01
9.4000005 01	5.0173454 00	3.0902013 01	3.5919358 01
9.5000005 01	5.5697000 00	3.3784115 01	3.9353814 01
9.7000005 01	6.7526846 00	4.0259405 01	4.7012090 01
9.8000005 01	7.3766815 00	4.3834421 01	5.1211102 01
1.0000005 02	8.6690969 00	5.1570559 01	6.0239656 01
1.0100005 02	9.3271351 00	5.5675691 01	6.5002826 01
1.0300005 02	1.0635800 01	6.4165376 01	7.4801175 01
1.0500005 02	1.1885289 01	7.2687630 01	8.4572918 01
1.0700005 02	1.3009064 01	8.0754722 01	9.3763786 01
1.1000005 02	1.4308937 01	9.0830770 01	1.0513971 02
1.1500005 02	1.4990935 01	9.8375126 01	1.1336606 02
1.2000005 02	1.3635911 01	9.1863928 01	1.0549984 02
1.2300005 02	1.2105079 01	8.2505263 01	9.4610342 01
1.2500005 02	1.0945522 01	7.5005945 01	8.5951467 01
1.2700005 02	9.7725258 00	6.7166208 01	7.6938734 01
1.3000005 02	8.1484534 00	5.5919379 01	6.4067832 01
1.3200005 02	7.2355637 00	4.9402755 01	5.6638319 01
1.3300005 02	6.8428424 00	4.6544103 01	5.3386945 01
1.3500005 02	6.1945952 00	4.1734789 01	4.7929384 01
1.3800005 02	5.5622909 00	3.6914277 01	4.2476567 01
1.4000005 02	5.3486341 00	3.5246943 01	4.0595577 01
1.4200005 02	5.2760447 00	3.4693203 01	3.9969247 01
1.4500005 02	5.3820380 00	3.5650973 01	4.1033011 01
1.4700005 02	5.5669089 00	3.7300455 01	4.2867364 01
1.5000005 02	5.9838880 00	4.1104977 01	4.7088865 01
1.5300005 02	6.5495401 00	4.6524590 01	5.3074129 01
1.5500005 02	7.0090522 00	5.1179352 01	5.8188404 01
1.5800005 02	7.8234226 00	6.0108687 01	6.7932110 01
1.6000005 02	8.4481522 00	6.7598504 01	7.6046655 01
1.6400005 02	9.8574981 00	8.6881666 01	9.6739162 01
1.7000005 02	1.2074651 01	1.2597070 02	1.3804535 02
1.7200005 02			
1.7500005 02	1.3511289 01	1.6241743 02	1.7592872 02
1.8000005 02	1.4099939 01	1.9287490 02	2.0697484 02
1.8500005 02	1.3665681 01	2.0848546 02	2.2215113 02
1.9000005 02	1.2416029 01	2.0567744 02	2.1809347 02
1.9400005 02	1.1147156 01	1.9221956 02	2.0336672 02
1.9800005 02	9.9542633 00	1.7345998 02	1.8341424 02
2.0000005 02	9.4473961 00	1.6351568 02	1.7296308 02
2.0500005 02	8.5779357 00	1.4106019 02	1.4963812 02
2.1000005 02	8.2085263 00	1.2533158 02	1.3354011 02
2.1200005 02	8.1564187 00	1.2113768 02	1.2929409 02
2.1500005 02	8.1153903 00	1.1678937 02	1.2490476 02