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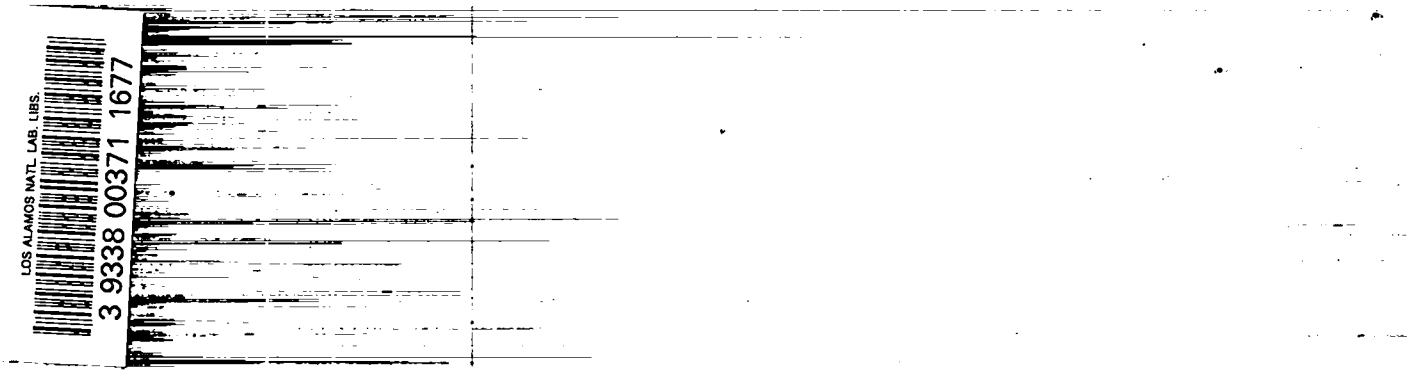
HAFNIUM CROSS SECTIONS AND THEIR TEMPERATURE DEPENDENCE



Printed in USA. Price $ 2.50. Available from the

Office of Technical Services
U. S. Department of Commerce
Washington 25, D. C.

LA-2763
PHYSICS
TID-4500 (18th Ed.)

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

REPORT WRITTEN: July 1962

REPORT DISTRIBUTED: November 26, 1962

HAFNIUM CROSS SECTIONS AND THEIR TEMPERATURE DEPENDENCE

by

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Contract W-7405-ENG. 36 with the U. S. Atomic Energy Commission

ABSTRACT

A Breit-Wigner analysis of the hafnium 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 hafnium versus neutron energy from 0.0253 to 114 ev and for hafnium temperatures of 0.0253 to 1 ev. The revised method of calculation is summarized.

ACKNOWLEDGMENTS

This paper is directly based on the parameters evaluated by neutron nuclear spectroscopists. We are happy to acknowledge the many Los Alamos Scientific Laboratory personnel and groups that have participated in the preparation of this report, particularly Karl Balke, Mrs. Barbara Bacon, Mrs. Lucille Winks, and Mrs. Margaret Gore.

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I. METHOD

This work is based upon a method of Devaney, Goldstein, and Fagan, much revised.[1] In brief, the calculation yields the cross section or reaction rate expected from target atoms that are 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 hafnium, 213°K,[2] is well below the tem-

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[1] J. Devaney et al., series of Los Alamos Scientific Laboratory Reports on cross sections and their temperature dependence: Pu^{239}, LA-2127 (1957); U^{238}, LA-2144 (1958); W, LA-2289 (1958); Mo, LA-2373 (1960); Th, LA-2525 (1961); and Pu^{240}, LAMS-2574 (1961). 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, p. 4-48, McGraw-Hill Book Co., Inc., New York, 1957.

peratures considered here (0.0253 ev is 294°K).[3] The use of Lamb's correction[4] for crystal effects in our case, is worse than no correction at all according to the theory of Nelkin and Parks.[5] Since these corrections appear to be less than 1% in the cross section, their inclusion would not be indicated in any case.

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[3]An excellent brief discussion of the effects of temperatures close to the Debye temperature on neutron interactions is to be found in Jackson, Bollinger, and Cote, Phys. Rev. Letters 6, 187 (1961). One should replace the divisor, 24, of the atomic specific heat in their formula for T'/T and in that of their source (J. E. Lynn and E. R. Rae, J. Nucl. Energy 4, 418 (1957)) by 12. That this change is needed can be seen by substituting for C_V from Conyers Herring in D. H. Menzel, ed., Fundamental Formulas of Physics, p. 604, Prentice-Hall, New York, 1955, and taking the limit for T large when T' should approach T. See also Note 5.

[4]W. E. Lamb, Jr., Phys. Rev. 55, 190 (1939). Lamb's correction consists of the use of an "effective" temperature, T', in the Maxwellian distribution rather than the actual temperature, T. For temperatures, T, greater than the Debye temperature, θ, T' is given by the following formula, (Ref. 5, Appendix B):

$$(T'/T) = 1 + (20)^{-1}(\theta/T)^2 - (1680)^{-1}(\theta/T)^4 + (90720)^{-1}(\theta/T)^6 + \cdots .$$

At T = 0.0253 ev, T' would be 0.0260 ev, a 2.6% increase over T; higher temperatures are, of course, changed less.

[5]M. S. Nelkin and D. E. Parks, Phys. Rev. 119, 1060 (1960). For the peak cross section of the 1.1 ev resonance in Hf^{177} at 0.0253 ev, which is expected to have large corrections, the uncorrected cross section is 0.46% below the fourth order cross section using the theory of Nelkin and Parks, whereas Lamb's correction yields an even lower result, namely 0.8% below the fourth order Nelkin and Parks. Further, Nelkin and Parks expect the Lamb correction to be dominant in this type of case. From this and other comparisons, we therefore conclude that no correction is warranted for $T \geq 0.0253$ ev.

Similarly we find that multilevel interference formulas are not required in calculation of element cross sections. This statement does not hold at certain isolated incident neutron energies for the odd isotopic scattering cross sections. In fact, application of the multilevel theory of Reich and Moore[6] to a number of suspected worst cases (large levels, close spacing, assuming identical spin and parity), leads to corrections in our element cross sections of much less than 1%. The corrections to the isotopic radiative capture cross sections are also negligibly small. However, the multilevel corrections for the scattering cross section of the odd isotopes may be large. The largest correction that our survey revealed was at 67.0 ev in Hf^{177} between two large resonances at 64.4 and 67.7 ev at an energy where the isotopic scattering cross section was very small. This correction amounted to 42%, however its effect on the element scattering cross section was less than 0.09%. Of course it should be noted that these adjacent levels may not have the same quantum character and thus might not interfere at all.

In general it appears that the multilevel formulas are not needed for even-even nuclei, but may be required for the scattering and fission cross sections of odd nuclei. Certainly any resonance calculations on odd nuclei must be checked for possible appreciable effects

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[6] C. W. Reich and M. S. Moore, Phys. Rev. 111, 929 (1958).

from interference. Our checks in the case of the element Hf lead to the conclusion that the multilevel formulation is not required, but that it is required for the Hf^{177} and Hf^{179} isotopic scattering cross sections.

In view of a number of revisions to our calculations over the years, we summarize below our revised formulas and their method of derivation. One revision of importance was the recognition that the quantity of practical and of physical interest is the reaction rate, not the microscopic cross section, nor even the thermal average of that quantity.[7] The quantity actually measured by physicists and used by them and by engineers is, rather, the reaction rate per incident neutron. These two quantities are only simply related by a factor, namely the target atom density times the incident velocity, in the special case when target thermal motion is small compared to the incident neutron velocity. Accordingly, the cross sections presented here are computed by multiplying the relative velocity of the neutron by the microscopic cross section, integrating over a three-dimensional Maxwellian velocity distribution, and then dividing by the laboratory neutron velocity. Thus, one obtains the true reaction rate per incident neutron by multiplying our cross sections by the laboratory neutron velocity times the target atom density.

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[7]The authors are indebted to Dr. George I. Bell for emphasizing this point.

The second revision of physical importance is the inclusion of the correct mass factor, $[(m+M)/M]^2$, [M is the target nucleus mass and m the projectile (neutron) mass] in the laboratory coordinate system single-level Breit-Wigner resonance formulae.[8] This factor has been universally omitted; consequently many resonance parameters now reported are incorrect. Our calculations actually include this factor when the level parameters are correctly given, otherwise not. This correction arises from conversion of the wave length, λ, in the center of mass Breit-Wigner formula to the laboratory system according to the formula $\lambda^2_{\text{center of mass}} = \lambda^2_{\text{laboratory}} [(m+M)/M]^2$, the rest of the simple Breit-Wigner formula being unchanged in form, because the widths and energies are changed by the same factor, namely $(m+M)/M$. As experimental accuracy improves, it appears that the factor $[(m+M)/M]^2$ should be included even for heavy elements, but certainly in every case for light elements.

Other revisions were primarily improvements in accuracy or calculational convenience and will not be emphasized.

Our calculation applies a simple, well tested theory over a wide range of parameters for the purpose of estimating cross sections in the resonance region as a function of incident neutron energy and of

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[8] We are happy to acknowledge discussions on this point with Drs. George I. Bell and Jules Levin of the Los Alamos Scientific Laboratory, and with Dr. John A. Harvey of the Oak Ridge National Laboratory. This omission was independently noted by Drs. Frank Firk, D. L. Kavanaugh, L. Dresner, and A. W. Solbrig, Jr.

target temperature. The theory used is the isolated Breit-Wigner cross section, modified to permit linear interference in the scattering amplitude, and a three-dimensional Maxwell distribution for the target nucleus motion.

Let:

m be the incident particle mass (a neutron here)

M be the target nucleus mass

μ be the reduced mass $\mu \equiv mM/(m+M)$

v_n be the laboratory incident neutron velocity

V be the laboratory target velocity before interaction

Since the system has cylindrical symmetry, we use the cylindrical coordinates, z in the direction $\vec{v}_n$ and ρ perpendicular to that direction. Then the velocity in the center of mass is $v^2 = (v_n - V_z)^2 + V_\rho^2$, and the energy, $e = \frac{1}{2}\mu v^2$.

The Maxwell velocity distribution is:

$$f(V_z, V_\rho)dV_z dV_\rho = \left(\frac{M}{2\pi KT}\right)^{3/2} \ell^{-\frac{M}{2KT}(V_z^2+V_\rho^2)}\, dV_z \cdot 2\pi V_\rho dV_\rho \qquad (1)$$

where K is Boltzmann's constant and T the temperature. Our formula for an absorptive process such as fission or radiative capture is:

$$\sigma_a(E_n) = \frac{1}{v_n}\int_{-\infty}^{\infty} dV_z \int_0^{\infty} dV_\rho \cdot v \cdot f \cdot \left[\sigma_{a_0 T}\sqrt{\frac{e_{0T}}{e}} + \sum_{i=1}^{N} \sigma_a^i(e)\right] \qquad (2)$$

where: a is the process.

The first term in the brackets is a 1/v correction for levels not explicitly considered.

σ_{aoT} is the amount of the correction at e_{oT} which we generally take to be the ordinary thermal value of 0.0253 ev.

N is the number of levels.

$\sigma_a^i(e)$ is the absorption cross section of the i-th level at an energy, e, in the center of mass.

$\lambda\!\!\!^{-}$ is the (reduced) wave length.

Similarly for scattering, see (9) et seq.

By writing $\sqrt{\frac{M}{2}}\ V_z \equiv w_z$ and $\sqrt{\frac{M}{2}}\ V_\rho \equiv w_\rho$ and by measuring the squares of these and T in units of electron volts, (1) becomes

$$f(w_z,w_\rho) = \frac{2w_\rho}{\sqrt{\pi}\ T^{3/2}}\ \ell^{-(w_z^2+w_\rho^2)/T} \tag{3}$$

Now

$$\sigma_a^i(e) = \pi g \lambda\!\!\!^{-2}_i\ \frac{e_i}{e}\ \frac{\Gamma_n^i\sqrt{\frac{e}{e_i}}\ \Gamma_a^i}{(e-e_i)^2+\frac{1}{4}\left(\sqrt{\frac{e}{e_i}}\ \Gamma_n^i+\sum_a \Gamma_a^i\right)^2}\ \text{(Breit-Wigner Formula)} \tag{4}$$

where quantities labeled i are evaluated at the resonance energy i. We have taken the orbital angular momentum to be zero and the absorption widths close to the resonance to be constant. g is the usual spin weight factor, $g = \frac{1}{2}\left(\frac{2J+1}{2I+1}\right)$ where I is the target spin, and (for $\ell = 0$ neutrons) $J = I \pm 1/2$ is the level spin. g is one for even-even nuclei and is taken as 1/2 for an odd nucleus with unknown parameters, I and J.

Our method of integration is to substitute the variable e for w_ρ according to the formula:

$$e = \frac{\mu}{M}\left[w_\rho^2 + \left(w_z - \sqrt{\frac{M}{m}}\, E_n^{1/2}\right)^2\right] \tag{5}$$

where E_n is the laboratory incident neutron energy. Thus we obtain an integration over e followed by one over w_z. Because the w_z^2 in the Maxwell exponent now cancel, we are left with a term linear in w_z and thus integrable analytically. Accordingly, we invert the order of integration and integrate over w_z, and over e where possible. Writing

$$A \equiv \sqrt{\frac{ME_n}{mT}}\,, \quad B \equiv \sqrt{\frac{M}{\mu T}}\,, \quad y \equiv \sqrt{e}\,, \quad V_n = \sqrt{\frac{2E_n}{m}}\,, \text{ and } \lambda_i^2 = \frac{\hbar^2}{2\mu e_i}\,,$$

our expression becomes:

$$\sigma_a = \sigma_{aoT}\sqrt{\frac{e_{oT}}{e}} + \frac{\sqrt{\pi}\, g\hbar^2 TB^5}{2MA^2}\sum_{i=0}^{N}\int_0^\infty y\,dy\left[\ell^{-(A-By)^2} - \ell^{-(A+By)^2}\right].$$

$$\frac{\Gamma_n^{oi}\,\Gamma_a^i}{\left[y^2-e_i\right]^2+\frac{1}{4}\left[y\Gamma_n^{oi}+\sum_a \Gamma_a\right]^2} \tag{6}$$

where $\Gamma_n^{oi} \equiv \Gamma_n^i / e_i^{1/2}$.

We now convert to the laboratory coordinate system according to the formulas:

$$\frac{m}{\mu}\, e = E_L,\ \frac{m}{\mu}\,\Gamma_n = \Gamma_{nL}\,,\quad \frac{m}{\mu}\,\Gamma_a = \Gamma_{aL}$$

$$\sqrt{\frac{m}{\mu}}\,y = x, \quad \text{and} \sqrt{\frac{\mu}{m}}\,B = B_L$$

$$\sigma_a(E_n) = \sigma_{aoT}\sqrt{\frac{E_{oT}}{E_n}} + \frac{\sqrt{\pi}\,g\Gamma}{2} \cdot \frac{mB_L^3}{\mu^2 A^2} \cdot \sum_{i=1}^{N} \int_0^\infty x\,dx \, \frac{\Gamma_{nL}^{oi}\,\Gamma_{aL}^{i}\left[\ell^{-(A-B_L x)^2} - \ell^{-(A+B_L x)^2}\right]}{\left[x^2 - E_i\right]^2 + \frac{1}{4}\left[x\Gamma_{nL}^{oi} + \sum_a \Gamma_{aL}^{i}\right]^2} \tag{7}$$

where now all quantities are in the laboratory system.

Substituting numerical values, we get the following integral which is then evaluated by computing machinery.

$$\sigma_a(E_n) = \sigma_{aoT}\sqrt{\frac{E_{oT}}{E_n}} + 3.67252 \times 10^5\, g\left(\frac{m}{\mu}\right)^2 \frac{B_L^3}{A^2} \cdot$$

$$\cdot\left\{\int_0^\infty x\,dx \left[\ell^{-(A-B_L x)^2} - \ell^{-(A+B_L x)^2}\right] \sum_{i=1}^{N} \frac{\Gamma_{nL}^{oi}\,\Gamma_{aL}^{i}}{\left[x^2 - E_i\right]^2 + \frac{1}{4}\left[x\Gamma_{nL}^{oi} + \sum_a \Gamma_{aL}^{i}\right]^2}\right\} \tag{8}$$

where $B_L = \sqrt{\frac{M}{mT}}$, $A = \sqrt{\frac{ME_n}{mT}}$.

The factor $\left(\frac{m}{\mu}\right)^2$ in the second term is omitted whenever analysis of the resonances omitted the term, in order that the result be as close to experiment as possible. This factor was omitted for hafnium.

The calculation of the scattering cross section is carried out in exactly the same way, but one replaces the absorption Breit-Wigner formula (4) with the elastic scattering cross section:

$$\sigma_s(e) = 4\pi g_+ \left| \sum_{\substack{i=+ \\ \text{only}}} \frac{\frac{1}{2}\Gamma_n^i \chi_i}{\left[e-e_i\right] + \frac{j}{2}\left[\sqrt{\frac{e}{e_i}}\Gamma_n^i + \sum_a \Gamma_a^i\right]} + R + jkR^2 + \cdots \right|^2$$

$$+ 4\pi(1-g_+) \left| \sum_{\substack{i=- \\ \text{only}}} \frac{\frac{1}{2}\Gamma_n^i \chi_i}{\left[e-e_i\right] + \frac{j}{2}\left[\sqrt{\frac{e}{e_i}}\Gamma_n^i + \sum_a \Gamma_a^i\right]} + R + jkR^2 + \cdots \right|^2 \qquad (9)$$

where + and - refer to $J_{\pm} \equiv I \pm \frac{1}{2}$, R is the radius of the interacting system and effectively fixes the magnitude of the potential scattering, $j = \sqrt{-1}$, and k is the wave number of the incident neutron. However, we have yet to calculate a case for an odd medium or heavy nucleus where J and thus g is known, consequently we use an average g. Since we have not yet needed to include interference formulas, it is not unreasonable to treat all levels as mildly (linearly in amplitude) interfering with one another and rewrite (9):

$$\sigma_s(e) = 4\pi(1-g)\ (R^2+k^2R^2+\cdots) + 4\pi g \left| \sum_{i=1}^{N} \frac{\frac{1}{2}\Gamma_n^i \chi_i}{\left[e-e_i\right] + \frac{j}{2}\left[\sqrt{\frac{e}{e_i}}\Gamma_n^i + \sum_a \Gamma_a^i\right]} + R + jkR^2 \right|^2 \qquad (10)$$

Formula (10) is now substituted in (2) in place of the absorptive cross sections and evaluated as (7) was to yield, (laboratory system):

$$\sigma_s(E_n) = \frac{4\sqrt{\pi}\, B_L^3}{A^2}\int_0^\infty x^2 dx \left[\ell^{-(A-B_L x)^2} - \ell^{-(A+B_L x)^2} \right] \cdot$$

$$\cdot \left\{ (1-g)\left(R^2 + \frac{2\mu^2 R^4 x^2}{m\hbar^2} \right) + g\left[R + \sum_{i=1}^{N} \frac{\left(x^2-E_i\right)\frac{1}{2}\,\Gamma_{nL}^{oi}\sqrt{\frac{\hbar^2}{2m}}\left(\frac{m}{\mu}\right)}{\left(x^2-E_i\right)^2 + \frac{1}{4}\left(x\Gamma_{nL}^{oi} + \sum_a \Gamma_{aL}^{i}\right)^2} \right]^2 \right.$$

$$\left. + g\left[\sqrt{\frac{2\mu^2}{m\hbar^2}}\, xR^2 - \sum_{i=1}^{N} \frac{\frac{1}{4}\left(x\Gamma_{nL}^{oi} + \sum_a \Gamma_{aL}^{i}\right)\Gamma_{nL}^{oi}\sqrt{\frac{\hbar^2}{2m}}\left(\frac{m}{\mu}\right)}{\left(x^2-E_i\right)^2 + \frac{1}{4}\left(x\Gamma_{nL}^{oi} + \sum_a \Gamma_{aL}^{i}\right)^2} \right]^2 \right\} \qquad (11)$$

As in absorption, if the spectroscopist did not evaluate the resonance parameters with the correct $\left(\frac{m}{\mu}\right)^2$ factor, our analysis also dropped it in these formulas. ($\frac{m}{\mu}$ is dropped in the last term in the two $[\ ]^2$.)

In the case of a multi-isotope element, the element cross section is, of course, the abundance-weighted sum of the isotopic cross sections.

II. SOURCES OF DATA

The isotopic abundances were taken from Hughes and Schwartz:[9] Hf^{174}, 0.0018; Hf^{176}, 0.0513; Hf^{177}, 0.1839; Hf^{178}, 0.2708; Hf^{179}, 0.1378; Hf^{180}, 0.3544. The level parameters were obtained from Hughes,

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[9] D. J. Hughes and R. B. Schwartz, "Neutron Cross Sections," Brookhaven National Laboratory Report BNL-325, 2nd ed. (July, 1958). We revised the abundance of a non-resonance possessing isotope, Hf^{176}, downward 0.02%, so as not to exceed 100% for the element.

Magurno, and Brussel,[10] except above 33.2 ev in Hf^{177} and above 93.6 ev in Hf^{179}, where the parameters are those of Harvey, Hughes, Carter, and Pilcher,[11] and except the 2.39 resonance of Hf^{177}.[12] The average radiation width (used where the specific width of a level was unknown) of Hf^{177} is also taken from Harvey et al.

Since the 1/v contribution to the capture cross section is generally positive, except for a very unlikely close, strong, destructively interfering negative energy level, and since our cross sections must match not only the resonance level parameters, but also the measured thermal cross sections, and since, further, there is a discrepancy between the two sets of data, we were forced to adjust the parameters to obtain a consistent set. Our method of adjustment was to vary relevant quantities the same fraction of their experimentally quoted probable error until we obtained agreement with experiment to within precisely that fraction, namely 65.93%. Consequently we made the following changes in the experimental resonance parameters of the Hf^{177} 1.10 ev resonance only: Γ_{nL}^{o1} from 0.002 to 0.00198 ev, and $\Gamma_{\gamma L}^{1}$ from 0.067 to 0.066 ev.

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[10] D. J. Hughes, B. A. Magurno, and M. K. Brussel, Supplement No. 1 to "Neutron Cross Sections," Brookhaven National Laboratory Report BNL-325, 2nd ed. (January 1, 1960).

[11] Harvey, Hughes, Carter, and Pilcher, Phys. Rev. 99, 10 (1955).

[12] H. H. Landon, Phys. Rev. 100, 1414 (1955).

We list below the level parameters used (laboratory system):

TABLE 1

Isotope	Relative Abundance	Resonance Number, i	Resonance Energy, E_i (ev)	Gamma Width, $\Gamma^i_{\gamma L}$ (ev)	Reduced Neutron Width, Γ^{oi}_{nL} (ev)
Hf^{174}	0.0018	1	30.5	0.060	0.0089
Hf^{176}	0.0513	None (potential scattering only)			
Hf^{177}	0.1839	1	1.10	0.066	0.00198
		2	2.39	0.060	0.0059
		3	5.9	0.056	0.0021
		4	6.6	0.044	0.0043
		5	8.8	0.056	0.0027
		6	13.7	0.056	0.00018
		7	14.1	0.056	0.00059
		8	22.2	0.056	0.00057
		9	23.5	0.056	0.00033
		10	25.9	0.056	0.00008
		11	27.2	0.056	0.00035
		12	33.2	0.056	0.00021
		13	37.2	0.056	0.0038
		14	43.6	0.056	0.00065
		15	45.7	0.056	0.00068
		16	46.8	0.056	0.00072
		17	49.4	0.056	0.0078
		18	55.6	0.056	0.0024
		19	57.2	0.056	0.0017
		20	60.3	0.056	0.00036
		21	64.4	0.056	0.0082
		22	67.7	0.056	0.0044
		23	72.3	0.056	0.0016
		24	77.2	0.056	0.0018
		25	84.3	0.056	0.00037
		26	86.2	0.056	0.0024
		27	93.6	0.056	0.00066
		28	98.5	0.056	0.0013
		29	103.	0.056	0.002
		30	105.	0.056	0.0031

TABLE 1 (Continued)

Isotope	Relative Abundance	Resonance Number, i	Resonance Energy, E_i(ev)	Gamma Width, $\Gamma^i_{\gamma L}$(ev)	Reduced Neutron Width, Γ^{oi}_{nL} (ev)
Hf^{178}	0.2708	1	7.80	0.060	0.0175
Hf^{179}	0.1378	1	5.69	0.060	0.0018
		2	17.8	0.060	0.00047
		3	24.0	0.060	0.0011
		4	27.0	0.060	0.00024
		5	31.5	0.060	0.0011
		6	36.8	0.060	0.0028
		7	40.6	0.060	0.0031
		8	42.8	0.060	0.0018
		9	44.7	0.060	0.00006
		10	48.1	0.060	0.00012
		11	51.1	0.060	0.00013
		12	51.7	0.060	0.00007
		13	52.4	0.060	0.00007
		14	53.5	0.060	0.00008
		15	55.4	0.060	0.0005
		16	61.2	0.060	0.00008
		17	63.0	0.060	0.00009
		18	70.1	0.060	0.00097
		19	78.2	0.060	0.00035
		20	80.7	0.060	0.00019
		21	84.3	0.060	0.00062
		22	86.7	0.060	0.00042
		23	93.6	0.060	0.0033
		24	103.	0.060	0.0098
		25	106.	0.060	0.00037
		26	110.	0.060	0.0011
Hf^{180}	0.3544	1	73.9	0.060	0.0058

To account for 1/v contributions of resonances not included in this study, we have added 1/v terms of strength (at 0.0253 ev): Hf^{174}, 351.39 barns; Hf^{176}, Hf^{177}, and Hf^{178}, 0 barns; Hf^{179}, 46.74 barns; and Hf^{180}, 10.44 barns, consistent with remaining at 65.93% of probable error as discussed before.

Because of the closeness of the levels and the large thermal capture cross section, there was no region of the total cross section dominated by the potential scattering. Moreoever, the regions most sensitive to variations in the nuclear radius, hence the potential scattering, often had very poor experimental statistics, (that is, between resonances). Our choice of the nuclear radius, R = 10.37 fermis, is thus not very meaningful and is only to be considered as leading to the best fit we can make to the data at this time.

We emphasize again that the foregoing parameters are inter-related to such an extent that large regions of energy are affected and our work can, in principle, improve on the accuracy of isolated experimental points. The spin factor g is unity for even-even isotopes (spin zero) and was taken as one-half for the even-odd isotopes. (Actually, Hf^{177} has g = 9/16 or 7/16, depending on the parallel versus anti-parallel alignment of neutron and target spins, and Hf^{179} has g = 11/20 or 9/20. The question to be decided at each resonance of each isotope is: Which? We do not yet know, and so take the average, namely 1/2 for both. Strictly speaking, the Γ_n are actually $2g\Gamma_n$ for the even-odd nuclei, so the error in not knowing g exactly is to a large extent compensated by the modification of Γ_n.)

Table 2 compares our values with experiment at thermal (0.0253 ev). (Our calculation has been deliberately distorted 65.93% of the probable error in some cases--see our earlier discussion.)

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 2 from thermal, 0.0253 ev to 1 ev. Of course, only the first two or three tabulated figures are significant, and the last two figures give the exponent; thus, for example, 1.0576678 02 is read 106, and 9.3158847-01 is read 0.93. We have included graphs (Figs. 1-3) of Table I up to 24 ev for illustration.

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, the use of an average radiative capture width where Γ_γ is not measured, the finite mass correction -- all these appear to have errors less than or of the same order as experiment. These experimental errors range from a maximum of 33% to a minimum of 1.7% for resonance parameters, and from 100% to 0.5% for thermal parameters. To facilitate comparison between temperatures, the computational accuracy has been held to well below $\pm$ 1%.

TABLE 2

All quantities in barns.

Quantity	Experiment[9]	Our Calculation
Hf σ_T	115,[13] 110	111
Hf $\sigma(n,\gamma)$	101.4 ± 0.5,[14] 105 ± 5	101.7
Hf^{174} $\sigma(n,\gamma)$	390 ± 55,[15] 1500 ± 1000	353.7
Hf^{176} $\sigma(n,\gamma)$	15 ± 15	Omitted entirely since no resonances in our region and we needed reduction of isotopic cross sections in order to fit the element (n,γ) cross section.
Hf^{177} $\sigma(n,\gamma)$	380 ± 30	383.1
Hf^{178} $\sigma(n,\gamma)$	75 ± 10	71.1
Hf^{179} $\sigma(n,\gamma)$	65 ± 15	55.1
Hf^{180} $\sigma(n,\gamma)$	14 ± 5	10.7

The first experimental error in column two of Table 2 is that used as the base for adjustment of parameters to a consistent set, as described above. No negative 1/v contribution was considered, hence Hf^{177} calculated is greater than experiment, and Hf^{178} is not adjusted downward as much as the others.

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[13] This value from a private communication, Oct. 1961, from Dr. Murrey Goldberg of Dr. R. Schermer's tentative measurements, Brookhaven National Laboratory.

[14] This value from J. W. Meadows and J. F. Whalen, Nucl. Sci. and Eng. 9, 132 (Feb. 1961).

[15] This value from L. J. Esch, Knolls Atomic Power Laboratory report, KAPL-2000-12.

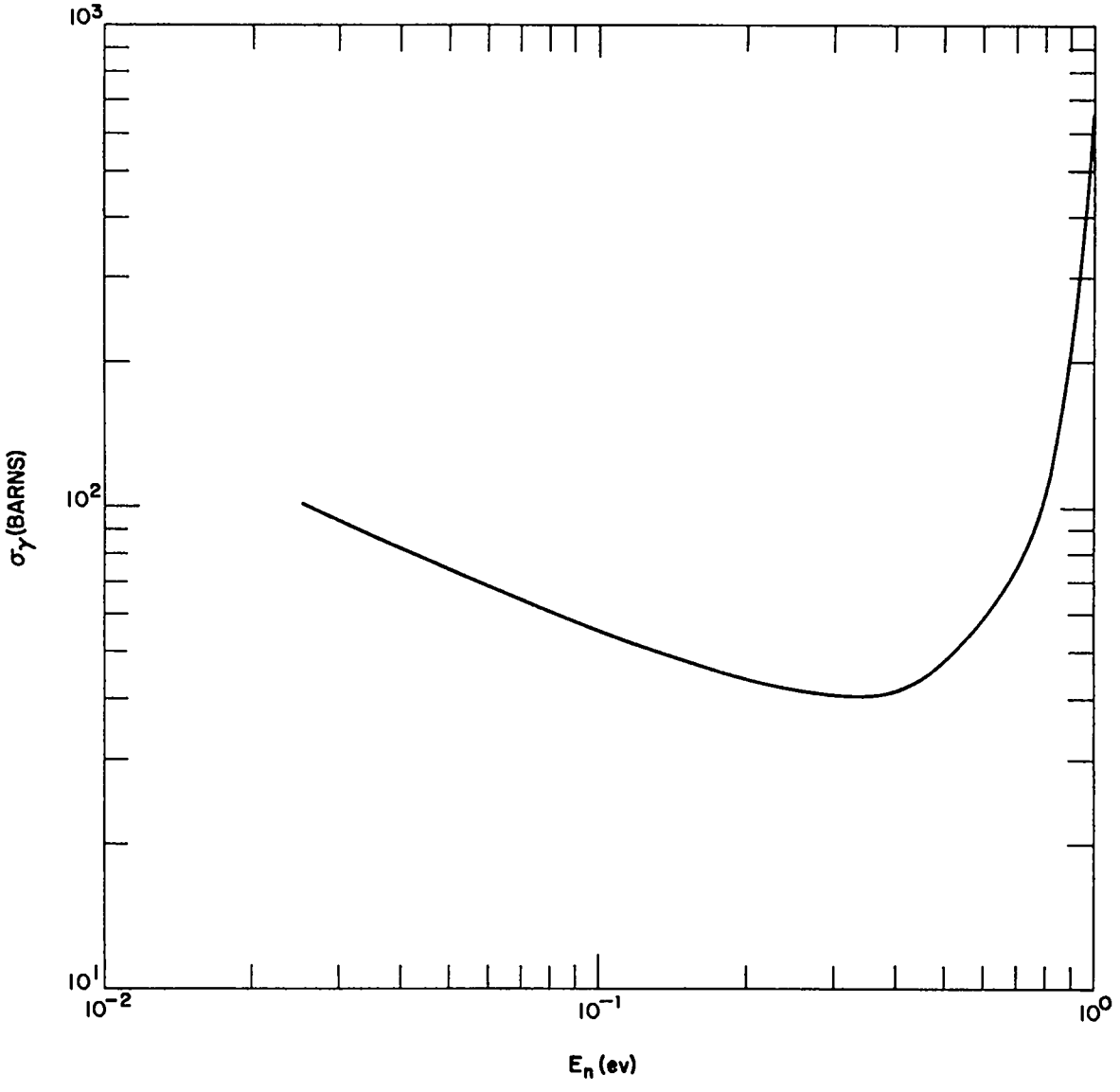

Fig. 1 Hafnium radiative capture cross section, σ_γ, versus neutron energy, E_n, from 0.0253 to 1 ev for T = 0.0253 ev.

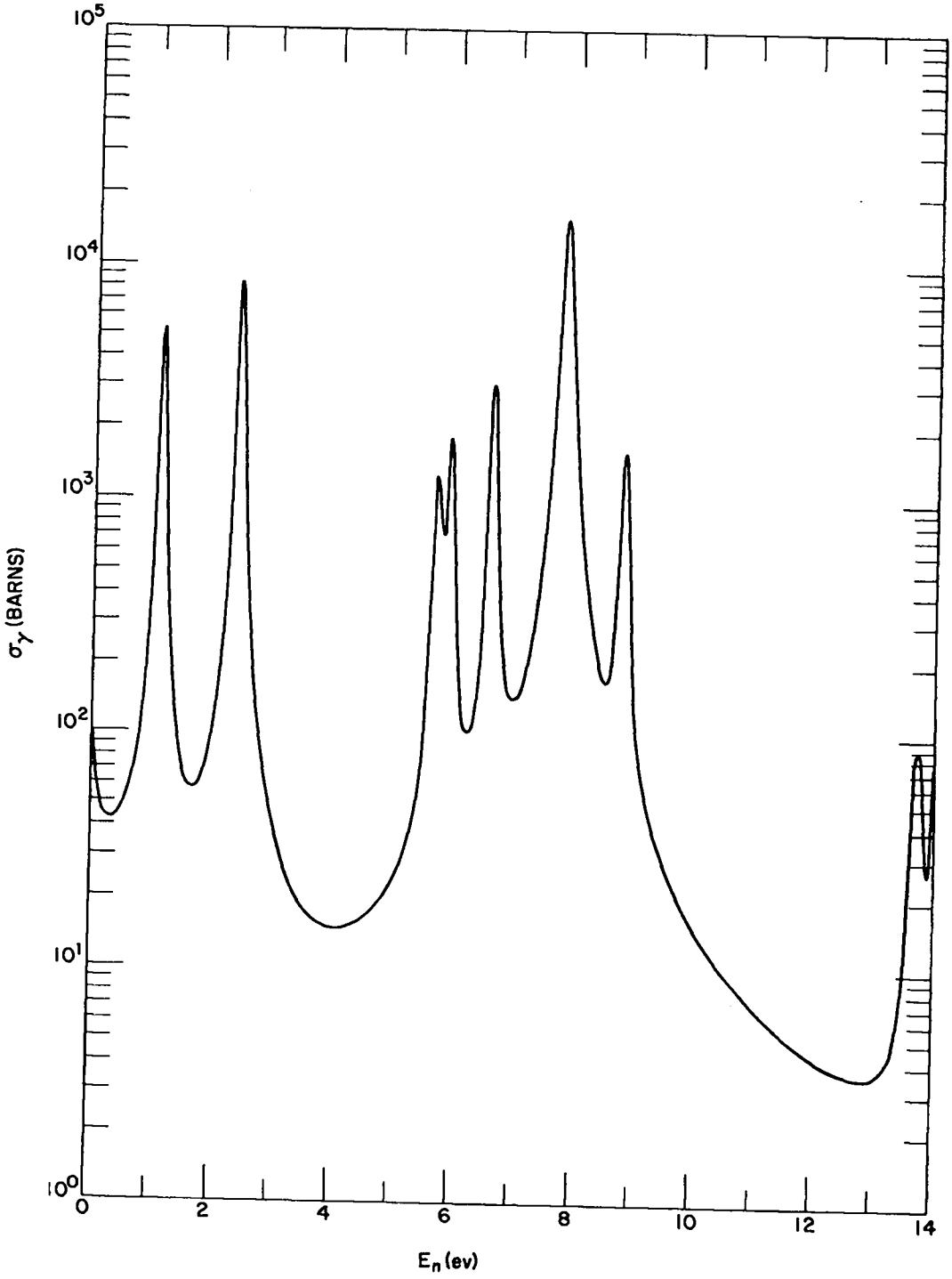

Fig. 2 Hafnium radiative capture cross section, σ_γ, versus neutron energy, E_n, from 0 to 14 ev for T = 0.0253 ev.

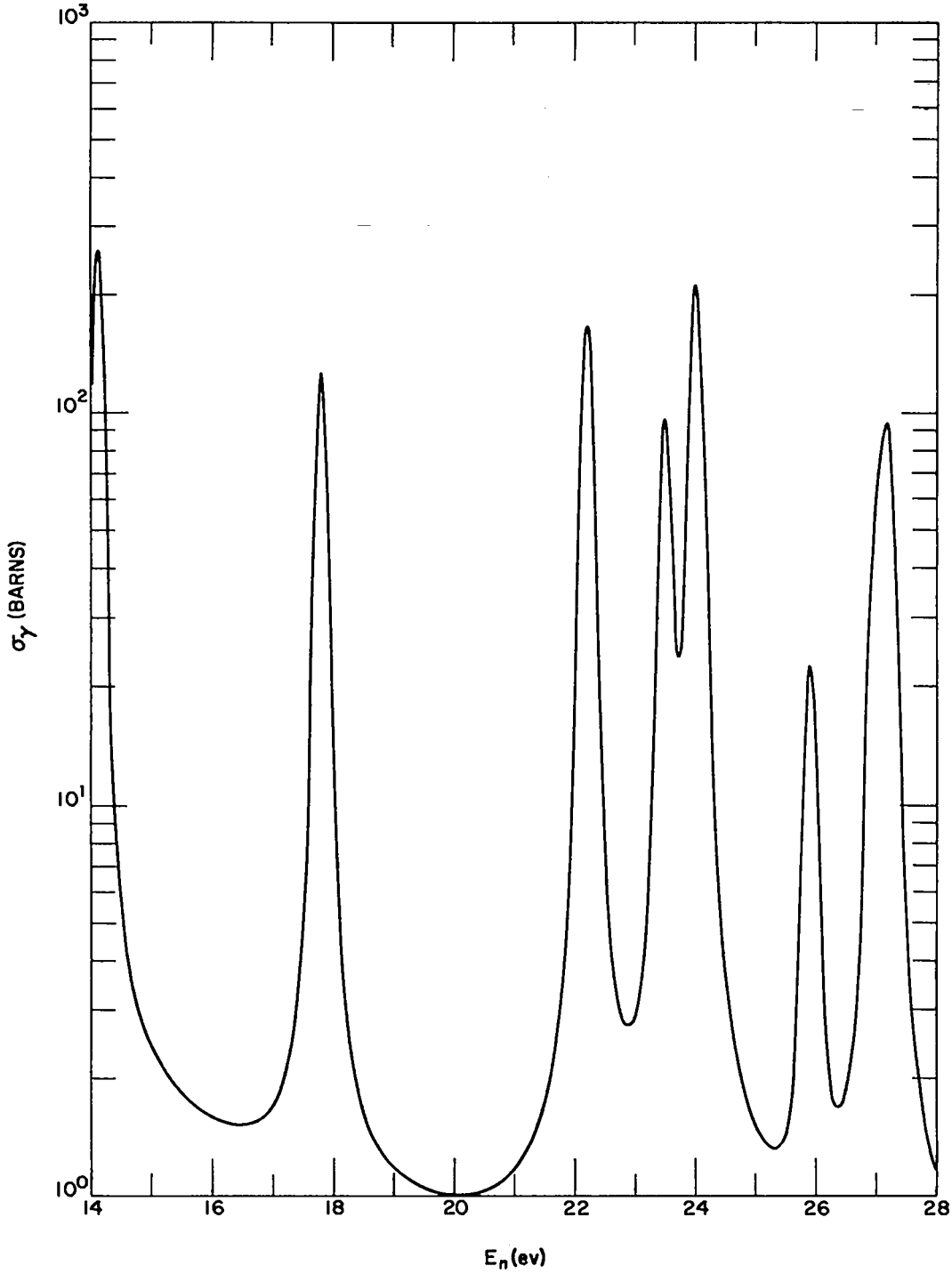

Fig. 3 Hafnium radiative capture cross section, σ_γ, versus neutron energy, E_n, from 14 to 28 ev for T = 0.0253 ev.

TABLE I

Hf CROSS SECTIONS

Hf 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)
2.5300002-02	1.0172973 02	9.3239241 00	1.1105366 02
3.5000002-02	8.7373779 01	9.3215695 00	9.6695349 01
5.0000007-02	7.4277633 01	9.3233967 00	8.3601030 01
8.0000007-02	6.0685498 01	9.3343997 00	7.0019898 01
1.0000002-01	5.5525017 01	9.3444433 00	6.4869460 01
1.5000002-01	4.8124062 01	9.3760338 00	5.7500096 01
2.0000002-01	4.4444997 01	9.4164610 00	5.3861458 01
2.5000002-01	4.2617824 01	9.4668236 00	5.2084648 01
3.0000005-01	4.1961756 01	9.5291028 00	5.1490859 01
4.0000006-01	4.3221625 01	9.7015662 00	5.2923192 01
5.0000002-01	4.7789558 01	9.9710378 00	5.7760597 01
6.0000002-01	5.6980458 01	1.0411962 01	6.7392420 01
7.0000002-01	7.4835913 01	1.1193312 01	8.6029225 01
8.0000002-01	1.1350724 02	1.2780402 01	1.2628764 02
8.5000002-01	1.5192681 02	1.4289640 01	1.6621645 02
9.0000002-01	2.2165383 02	1.6935522 01	2.3858935 02
9.5000002-01	3.6925112 02	2.2321762 01	3.9157288 02
1.0000002 00	7.7348797 02	3.6412438 01	8.0990041 02
1.0400002 00	1.8555844 03	7.2327713 01	1.9279121 03
1.0700002 00	3.8721045 03	1.3602054 02	4.0081250 03
1.0900002 00	5.2013412 03	1.7498596 02	5.3763272 03
1.1000002 00	5.3857776 03	1.7842694 02	5.5642045 03
1.1100002 00	5.1310233 03	1.6795386 02	5.2989771 03
1.1300002 00	3.7391790 03	1.2067407 02	3.8598531 03
1.1600002 00	1.7603290 03	5.7599380 01	1.8179283 03
1.2000002 00	7.1383073 02	2.5930153 01	7.3976088 02
1.3000002 00	1.9291600 02	1.1381036 01	2.0429703 02
1.4000002 00	9.8025053 01	9.1601582 00	1.0718521 02
1.5000002 00	6.8080133 01	8.6913205 00	7.6771453 01
1.6000002 00	5.7883764 01	8.7916808 00	6.6675446 01
1.6500001 00	5.6558561 01	8.9857164 00	6.5544277 01
1.7000002 00	5.7106591 01	9.2798033 00	6.6386394 01
1.7500000 00	5.9419579 01	9.6942521 00	6.9113832 01
1.8000002 00	6.3611125 01	1.0265340 01	7.3876465 01
1.8500002 00	7.0030006 01	1.1052010 01	8.1082015 01
1.9000002 00	7.9338218 01	1.2149213 01	9.1487430 01
2.0000002 00	1.1208585 02	1.6015367 01	1.2810122 02
2.1000002 00	1.8713381 02	2.5290352 01	2.1242416 02
2.1500002 00	2.6541287 02	3.5399212 01	3.0081208 02
2.2000002 00	4.1506201 02	5.5418633 01	4.7048065 02
2.2500002 00	7.6002364 02	1.0334059 02	8.6336422 02
2.3000002 00	1.8513462 03	2.6143555 02	2.1127817 03
2.3200002 00	2.9195501 03	4.2040781 02	3.3399579 03
2.3500002 00	5.6720410 03	8.4018481 02	6.5122258 03
2.3700002 00	7.6599812 03	1.1535746 03	8.8135558 03
2.3800002 00	8.2874143 03	1.2578555 03	9.5452698 03
2.3900002 00	8.4908001 03	1.2987999 03	9.7896000 03
2.4000002 00	8.2276924 03	1.2686754 03	9.4963678 03
2.4100002 00	7.5546136 03	1.1748402 03	8.7294537 03
2.4400002 00	4.5030084 03	7.2252436 02	5.2255327 03
2.4500002 00	3.5871537 03	5.8314710 02	4.1703009 03
2.5000002 00	1.1890934 03	2.0987669 02	1.3989702 03
2.5500002 00	5.4570032 02	1.0550590 02	6.5120623 02
2.6000002 00	3.1313849 02	6.6381767 01	3.7952026 02
2.7000002 00	1.4420399 02	3.6681797 01	1.8088578 02
2.8000002 00	8.4330180 01	2.5476461 01	1.0980664 02
3.0000002 00	4.1460004 01	1.6757298 01	5.8217302 01
3.2000002 00	2.6689133 01	1.3324348 01	4.0013481 01
3.4000002 00	2.0152682 01	1.1542919 01	3.1695601 01
3.6000002 00	1.6930382 01	1.0456370 01	2.7386752 01
3.8000002 00	1.5353767 01	9.7201016 00	2.5073868 01
3.9000000 00	1.4955348 01	9.4331284 00	2.4388477 01
4.0000002 00	1.4755274 01	9.1853812 00	2.3940655 01

TABLE I (Continued) T = 0.0253 ev

E_n(ev)	σ_γ(barns)	σ_s(barns)	σ_T(barns)
4.1000002 00	1.4728027 01	8.9697329 00	2.3697760 01
4.1500002 00	1.4774473 01	8.8723192 00	2.3646792 01
4.2000000 00	1.4859724 01	8.7812169 00	2.3640941 01
4.3000002 00	1.5146260 01	8.6165505 00	2.3762811 01
4.3500001 00	1.5348763 01	8.5424848 00	2.3891247 01
4.4000002 00	1.5592561 01	8.4737137 00	2.4066276 01
4.5000002 00	1.6213501 01	8.3518315 00	2.4565333 01
4.6000001 00	1.7036383 01	8.2511613 00	2.5287544 01
4.7000002 00	1.8105948 01	8.1732455 00	2.6279194 01
4.8000002 00	1.9493834 01	8.1212974 00	2.7615132 01
5.0000002 00	2.3772999 01	8.1224892 00	3.1895488 01
5.1000002 00	2.7224078 01	8.2038513 00	3.5427929 01
5.2000002 00	3.2395693 01	8.3816738 00	4.0777366 01
5.3000002 00	4.0969518 01	8.7413936 00	4.9710912 01
5.4000002 00	5.7830481 01	9.5392576 00	6.7369739 01
5.5000002 00	1.0480106 02	1.2010611 01	1.1681167 02
5.6000001 00	4.1887626 02	3.2165573 01	4.5104183 02
5.6500002 00	9.6436605 02	7.2706292 01	1.0370724 03
5.6800002 00	1.2254025 03	9.5823548 01	1.3212260 03
5.7000002 00	1.2380904 03	1.0056195 02	1.3386524 03
5.7200002 00	1.1175189 03	9.5462143 01	1.2129811 03
5.7500002 00	8.3679709 02	7.9107628 01	9.1590471 02
5.8000002 00	6.9939167 02	7.5152168 01	7.7454385 02
5.8400002 00	1.1337262 03	1.1688275 02	1.2506090 03
5.8700002 00	1.6113201 03	1.6013469 02	1.7714548 03
5.9000002 00	1.8270915 03	1.7781619 02	2.0049078 03
5.9300002 00	1.5672011 03	1.5148102 02	1.7186821 03
5.9600002 00	1.0449197 03	1.0207008 02	1.1469897 03
6.0000002 00	4.9179168 02	5.1110848 01	5.4290253 02
6.0500002 00	2.1857458 02	2.6716198 01	2.4529078 02
6.1000002 00	1.3907342 02	2.0033781 01	1.5910721 02
6.1500001 00	1.1085860 02	1.7987338 01	1.2884594 02
6.2000001 00	1.0101301 02	1.7685816 01	1.1869882 02
6.2200001 00	1.0012452 02	1.7891602 01	1.1801612 02
6.2500000 00	1.0147464 02	1.8532186 01	1.2000683 02
6.2800002 00	1.0606034 02	1.9625509 01	1.2568585 02
6.3000002 00	1.1115071 02	2.0672077 01	1.3182279 02
6.3500002 00	1.3383802 02	2.5035117 01	1.5887313 02
6.4000002 00	1.8378314 02	3.4735619 01	2.1851876 02
6.4500002 00	3.1997429 02	6.3347454 01	3.8332174 02
6.5000002 00	8.0496189 02	1.7622800 02	9.8118989 02
6.5400002 00	1.7709744 03	4.1808675 02	2.1890612 03
6.5700002 00	2.6405718 03	6.5076654 02	3.2913384 03
6.6000002 00	3.0330460 03	7.7653549 02	3.8095815 03
6.6300002 00	2.6232163 03	6.9997028 02	3.3231865 03
6.6600001 00	1.7561929 03	4.9487879 02	2.2510717 03
6.7000002 00	8.0735426 02	2.5455419 02	1.0619084 03
6.7500002 00	3.3378654 02	1.2679284 02	4.6057937 02
6.8000002 00	2.0430370 02	8.9597673 01	2.9390137 02
6.9000002 00	1.4435013 02	7.3552328 01	2.1790246 02
7.0000002 00	1.4307508 02	7.8362518 01	2.2143759 02
7.1000001 00	1.6524056 02	9.4911423 01	2.6015199 02
7.2000002 00	2.1021469 02	1.2599359 02	3.3620828 02
7.3000002 00	2.9126881 02	1.8251973 02	4.7378855 02
7.4000001 00	4.4616205 02	2.9352719 02	7.3968924 02
7.5000000 00	7.9223531 02	5.4986243 02	1.3420978 03
7.6000002 00	1.8489383 03	1.3618721 03	3.2108105 03
7.7000001 00	6.8901384 03	5.3955453 03	1.2285684 04
7.7400002 00	1.1343145 04	9.0483448 03	2.0391490 04
7.7600002 00	1.3536454 04	1.0881477 04	2.4417931 04
7.7700001 00	1.4430786 04	1.1642107 04	2.6072892 04
7.8000002 00	1.5662905 04	1.2765683 04	2.8428588 04
7.8300002 00	1.4326518 04	1.1796532 04	2.6123050 04

TABLE I (Continued) T = 0.0253 ev

E_n(ev)	σ_γ(barns)	σ_s(barns)	σ_T(barns)
7.8600C02 00	1.1199197 04	9.3269397 C3	2.0526136 04
7.9000002 00	6.7784458 03	5.7513465 03	1.2529792 04
8.C00CC02 00	1.8065499 03	1.6299513 C3	3.4365011 03
8.1000001 00	7.6444468 02	7.3155417 C2	1.4959988 03
8.2000002 00	4.2600152 02	4.2820057 02	8.5420208 02
8.3C00002 00	2.7685463 02	2.8772262 02	5.6457726 02
8.4000001 00	2.0241661 02	2.1045389 C2	4.1287050 02
8.5000000 00	1.7045024 02	1.6350877 02	3.3395901 02
8.6000002 00	1.9638566 02	1.3614912 02	3.3253477 02
8.6500C01 00	2.9152090 02	1.3543103 C2	4.2695193 02
8.7000002 00	6.0020327 02	1.6614569 02	7.6634896 02
8.7400002 00	1.0803315 03	2.2989013 02	1.3102217 03
8.7700000 00	1.4438526 03	2.8557158 02	1.7294242 03
8.7900001 00	1.5774557 03	3.1043704 C2	1.8878928 03
8.8C00002 00	1.5930111 03	3.1603778 02	1.9090489 03
8.8100002 00	1.5715963 03	3.1636615 02	1.8879624 C3
8.8300C02 00	1.4275998 03	3.0166403 02	1.7292639 03
8.860C00C 00	1.0542552 03	2.5255411 02	1.3068093 03
8.9000001 00	5.6774794 02	1.7992676 02	7.4767471 02
8.9500002 00	2.4837793 02	1.2506155 02	3.7343948 02
9.0000000 00	1.3811196 02	1.0130069 02	2.3941265 02
9.1000002 00	7.4379840 01	8.1388060 C1	1.5576790 02
9.2000002 00	5.2432109 01	7.0890598 01	1.2332271 02
9.3000002 00	4.0903410 01	6.3651185 01	1.0455460 02
9.4C00001 00	3.3587772 01	5.8137005 C1	9.1724778 01
9.6000001 00	2.4571605 01	5.0079430 01	7.4651035 01
9.8000002 00	1.9111327 01	4.4387541 01	6.3498867 01
1.CC00002 01	1.5426087 01	4.0130699 01	5.5556785 C1
1.C200002 01	1.2779448 01	3.6825527 C1	4.9604974 01
1.C400002 01	1.0799113 01	3.4187010 01	4.4986123 01
1.C600002 01	9.2728404 00	3.2033994 01	4.1306835 01
1.0800002 01	8.0696987 00	3.0245161 C1	3.8314861 C1
1.C900C02 01	7.5614229 00	2.9459881 01	3.7021304 01
1.1000002 01	7.1043674 00	2.8736048 C1	3.5840415 01
1.1100002 01	6.6920325 00	2.8066728 01	3.4758760 01
1.12C0C02 01	6.3189829 00	2.7445959 01	3.3764942 C1
1.1300002 01	5.9806464 00	2.6868583 C1	3.2849229 01
1.1400002 01	5.6731684 00	2.6330112 01	3.2003280 01
1.1500C02 01	5.3932877 00	2.5826621 01	3.1219909 C1
1.1600002 01	5.1382498 00	2.5354660 C1	3.0492910 01
1.1800002 01	4.6938040 00	2.4493441 01	2.9187245 01
1.2000002 01	4.3256766 00	2.3725744 01	2.8051420 01
1.2100002 01	4.1672782 00	2.3371576 01	2.7538854 C1
1.220C002 01	4.C25C770 CC	2.3034683 C1	2.7059760 01
1.2400002 01	3.7888325 00	2.2405923 01	2.6194755 01
1.2600002 01	3.6215637 00	2.1826482 01	2.5448046 01
1.28C0002 01	3.5424925 00	2.1283231 01	2.4825723 01
1.3000C02 C1	3.6072920 00	2.0760244 01	2.4367536 01
1.3200002 01	3.9983297 00	2.0231873 01	2.4230203 01
1.3300002 01	4.5154930 00	1.9949621 01	2.4465114 01
1.3400C02 01	5.7075365 00	1.9634834 01	2.5342370 01
1.3500002 01	1.0253367 01	1.9254833 C1	2.9508199 01
1.3550002 01	1.9110841 01	1.9073715 01	3.8184555 01
1.3600002 01	4.0400708 01	1.9078497 01	5.9479205 01
1.364C002 01	6.5686770 01	1.9374237 C1	8.5061007 01
1.3670002 01	8.2162226 01	1.9742848 01	1.0190507 02
1.3700002 01	8.8927993 01	2.0097056 01	1.0902505 02
1.3730002 01	8.2995415 01	2.0280580 01	1.0327600 02
1.3760002 01	6.7653756 01	2.0217386 01	8.7871141 01
1.380C002 01	4.4595998 01	1.9833731 01	6.4429730 01
1.384C002 01	2.9755348 01	1.9339130 01	4.9094478 01
1.385C002 01	2.7838398 01	1.9222441 01	4.7060840 01
1.3860002 01	2.6637003 01	1.9112749 01	4.5749752 01

TABLE I (Continued) T = 0.0253 ev

E_n(ev)	σ_γ(barns)	σ_s(barns)	σ_T(barns)
1.3870002 01	2.6143760 01	1.9011887 01	4.5155646 01
1.3880002 01	2.6363993 01	1.8921952 01	4.5285944 01
1.3890002 01	2.7324220 01	1.8845628 01	4.6169848 01
1.3900002 01	2.9078015 01	1.8786532 01	4.7864547 01
1.3910002 01	3.1709702 01	1.8749518 01	5.0459219 01
1.3930002 01	4.0098500 01	1.8768919 01	5.8867419 01
1.3960002 01	6.2900372 01	1.9177375 01	8.2077747 01
1.4000002 01	1.1776130 02	2.0926851 01	1.3868815 02
1.4040002 01	1.9303699 02	2.4354059 01	2.1739104 02
1.4070002 01	2.4113282 02	2.7420658 01	2.6855348 02
1.4090002 01	2.5768757 02	2.9160328 01	2.8684789 02
1.4100002 01	2.5966692 02	2.9822552 01	2.8948947 02
1.4110002 01	2.5721217 02	3.0307846 01	2.8752001 02
1.4130002 01	2.3980587 02	3.0693266 01	2.7049914 02
1.4160002 01	1.9090938 02	2.9895933 01	2.2080531 02
1.4200002 01	1.1530732 02	2.7327960 01	1.4263528 02
1.4250002 01	5.0504420 01	2.4188575 01	7.4692994 01
1.4300002 01	2.2921043 01	2.2329334 01	4.5250377 01
1.4400002 01	8.9720715 00	2.0822964 01	2.9795035 01
1.4500002 01	5.6059810 00	2.0177067 01	2.5783048 01
1.4600002 01	4.1735730 00	1.9774731 01	2.3948304 01
1.4800002 01	2.9334737 00	1.9243458 01	2.2176932 01
1.5000002 01	2.3932045 00	1.8867852 01	2.1261056 01
1.5200002 01	2.0934263 00	1.8565280 01	2.0658707 01
1.5400002 01	1.9019708 00	1.8305307 01	2.0207278 01
1.5600002 01	1.7688928 00	1.8073609 01	1.9842501 01
1.5800002 01	1.6721943 00	1.7862221 01	1.9534415 01
1.6000002 01	1.6016426 00	1.7666456 01	1.9268098 01
1.6200002 01	1.5531130 00	1.7482301 01	1.9035414 01
1.6400002 01	1.5270322 00	1.7306379 01	1.8833411 01
1.6600002 01	1.5293547 00	1.7136066 01	1.8665421 01
1.6800002 01	1.5763092 00	1.6967736 01	1.8544045 01
1.7000002 01	1.7104999 00	1.6795835 01	1.8506335 01
1.7100002 01	1.8434586 00	1.6705581 01	1.8549040 01
1.7200002 01	2.0641620 00	1.6609637 01	1.8673799 01
1.7300002 01	2.4556826 00	1.6504231 01	1.8959913 01
1.7400002 01	3.2388546 00	1.6383009 01	1.9621863 01
1.7500002 01	5.2481553 00	1.6238364 01	2.1486520 01
1.7600002 01	1.4573457 01	1.6169414 01	3.0742870 01
1.7650002 01	3.1377211 01	1.6464445 01	4.7841656 01
1.7700002 01	6.4640961 01	1.7436398 01	8.2077358 01
1.7740002 01	9.8244542 01	1.8757716 01	1.1700226 02
1.7770002 01	1.1812582 02	1.9812077 01	1.3793790 02
1.7800002 01	1.2559431 02	2.0593787 01	1.4618810 02
1.7830002 01	1.1774915 02	2.0870112 01	1.3861926 02
1.7860002 01	9.7676951 01	2.0606578 01	1.1828353 02
1.7900002 01	6.4152678 01	1.9716326 01	8.3869003 01
1.8000002 01	1.4457193 01	1.7707158 01	3.2164350 01
1.8100002 01	5.1195716 00	1.7031239 01	2.2150810 01
1.8200001 01	3.0909481 00	1.6761433 01	1.9852381 01
1.8300002 01	2.2881420 00	1.6597759 01	1.8885901 01
1.8400002 01	1.8745272 00	1.6477749 01	1.8352277 01
1.8600002 01	1.4716147 00	1.6297088 01	1.7768702 01
1.8800002 01	1.2833504 00	1.6154197 01	1.7437547 01
1.9000002 01	1.1780435 00	1.6030127 01	1.7208171 01
1.9200002 01	1.1126347 00	1.5917111 01	1.7029746 01
1.9400002 01	1.0697359 00	1.5811232 01	1.6880969 01
1.9600002 01	1.0414324 00	1.5710169 01	1.6751601 01
1.9800002 01	1.0239893 00	1.5612334 01	1.6636324 01
2.0000002 01	1.0158754 00	1.5516479 01	1.6532354 01
2.0200002 01	1.0170306 00	1.5421462 01	1.6438492 01
2.0400002 01	1.0287573 00	1.5326097 01	1.6354854 01
2.0600002 01	1.0541208 00	1.5228972 01	1.6283092 01

TABLE I (Continued) T = 0.0253 ev

E_n(ev)	σ_γ(barns)	σ_s(barns)	σ_T(barns)
2.0800002 01	1.0991255 00	1.5128209 01	1.6227335 01
2.1000002 01	1.1755869 00	1.5021058 01	1.6196645 01
2.1200002 01	1.3086403 00	1.4903044 01	1.6211684 01
2.1400002 01	1.5596511 00	1.4766045 01	1.6325696 01
2.1600002 01	2.1162573 00	1.4593198 01	1.6709455 01
2.1700001 01	2.6996267 00	1.4482417 01	1.7182044 01
2.1800002 01	3.8613015 00	1.4344494 01	1.8205795 01
2.1900001 01	7.0673027 00	1.4183055 01	2.1250358 01
2.2000002 01	2.3421113 01	1.4371204 01	3.7792317 01
2.2100001 01	9.4827149 01	1.7377167 01	1.1220432 02
2.2140002 01	1.3567608 02	1.9755930 01	1.5543201 02
2.2170002 01	1.5848250 02	2.1479456 01	1.7996195 02
2.2200002 01	1.6686136 02	2.2680816 01	1.8954218 02
2.2230002 01	1.5810235 02	2.3060044 01	1.8116239 02
2.2260002 01	1.3509003 02	2.2586065 01	1.5767609 02
2.2300001 01	9.4317210 01	2.1052514 01	1.1536973 02
2.2400001 01	2.3501966 01	1.7248603 01	4.0750569 01
2.2500002 01	7.2798255 00	1.5867587 01	2.3147413 01
2.2600001 01	4.1870600 00	1.5383935 01	1.9570996 01
2.2700001 01	3.1752192 00	1.5111976 01	1.8287195 01
2.2750002 01	2.9316574 00	1.5006910 01	1.7938567 01
2.2800001 01	2.7893351 00	1.4912838 01	1.7702173 01
2.2900001 01	2.7306664 00	1.4742129 01	1.7472795 01
2.2950002 01	2.8043621 00	1.4659860 01	1.7464222 01
2.3000002 01	2.9566017 00	1.4576418 01	1.7533019 01
2.3100002 01	3.6223571 00	1.4395361 01	1.8017719 01
2.3200001 01	5.6193587 00	1.4174290 01	1.9793648 01
2.3300001 01	1.5696513 01	1.4002473 01	2.9698986 01
2.3350001 01	3.1212184 01	1.4190766 01	4.5402950 01
2.3400001 01	5.6865813 01	1.4858805 01	7.1724618 01
2.3440002 01	7.9588378 01	1.5750825 01	9.5339203 01
2.3470002 01	9.2214914 01	1.6483941 01	1.0869886 02
2.3500001 01	9.7039152 01	1.7094423 01	1.1413357 02
2.3530002 01	9.2678548 01	1.7440483 01	1.1011903 02
2.3560002 01	8.0647531 01	1.7463658 01	9.8111189 01
2.3600001 01	5.9060760 01	1.7079930 01	7.6140690 01
2.3700001 01	2.3504982 01	1.5758216 01	3.9263197 01
2.3800001 01	3.7550770 01	1.6523707 01	5.4074477 01
2.3900002 01	1.2731955 02	2.4118231 01	1.5143778 02
2.3940002 01	1.7598837 02	2.9026691 01	2.0501505 02
2.3970002 01	2.0256464 02	3.2181288 01	2.3474592 02
2.4000002 01	2.1215154 02	3.4004198 01	2.4615574 02
2.4030002 01	2.0181765 02	3.4041308 01	2.3585896 02
2.4060002 01	1.7466671 02	3.2380737 01	2.0704745 02
2.4100001 01	1.2557008 02	2.8532381 01	1.5410246 02
2.4200001 01	3.4317449 01	1.9940997 01	5.4258446 01
2.4300002 01	1.0389649 01	1.7041719 01	2.7431368 01
2.4400001 01	5.3861042 00	1.6176812 01	2.1562916 01
2.4500001 01	3.5997180 00	1.5764296 01	1.9364014 01
2.4600001 01	2.7078701 00	1.5507167 01	1.8215037 01
2.4700001 01	2.1906116 00	1.5324586 01	1.7515198 01
2.4800001 01	1.8638953 00	1.5183942 01	1.7047838 01
2.4900002 01	1.6468507 00	1.5069151 01	1.6716002 01
2.5000002 01	1.4995109 00	1.4971186 01	1.6470697 01
2.5100002 01	1.4011634 00	1.4884416 01	1.6285580 01
2.5200002 01	1.3420514 00	1.4804922 01	1.6146972 01
2.5300002 01	1.3211523 00	1.4729535 01	1.6050687 01
2.5400002 01	1.3497977 00	1.4655041 01	1.6004838 01
2.5500002 01	1.4731131 00	1.4576874 01	1.6049987 01
2.5600002 01	1.9304166 00	1.4485908 01	1.6416325 01
2.5700002 01	4.4475061 00	1.4375201 01	1.8822706 01
2.5800002 01	1.3899134 01	1.4357180 01	2.8256314 01
2.5840002 01	1.8792873 01	1.4433650 01	3.3226522 01

TABLE I (Continued) T = 0.0253 ev

E_n(ev)	σ_γ(barns)	σ_s(barns)	σ_T(barns)
2.5870002 01	2.1435645 01	1.4519614 01	3.5955260 01
2.5900002 01	2.2396235 01	1.4612097 01	3.7008332 01
2.5930002 01	2.1401257 01	1.4690297 01	3.6091554 01
2.5960002 01	1.8741721 01	1.4737554 01	3.3479274 01
2.6000001 01	1.3863266 01	1.4742819 01	2.8606084 01
2.6100002 01	4.5152101 00	1.4587403 01	1.9102613 01
2.6200002 01	2.0630922 00	1.4435949 01	1.6499041 01
2.6300002 01	1.6896340 00	1.4329569 01	1.6019203 01
2.6400002 01	1.7032185 00	1.4235113 01	1.5938332 01
2.6500001 01	1.9154759 00	1.4136369 01	1.6051845 01
2.6600002 01	2.4248375 00	1.4020755 01	1.6445592 01
2.6700002 01	3.8620972 00	1.3871903 01	1.7734000 01
2.6800002 01	1.0243869 01	1.3722751 01	2.3966621 01
2.6850002 01	1.8873380 01	1.3745605 01	3.2618985 01
2.6900002 01	3.2297510 01	1.3938821 01	4.6236330 01
2.6940002 01	4.4673145 01	1.4232928 01	5.8906074 01
2.6970002 01	5.3281788 01	1.4510847 01	6.7792635 01
2.7000002 01	6.0547436 01	1.4813324 01	7.5360760 01
2.7030002 01	6.6687742 01	1.5134261 01	8.1822002 01
2.7060002 01	7.2649886 01	1.5492458 01	8.8142345 01
2.7100002 01	8.1760198 01	1.6079794 01	9.7839991 01
2.7140002 01	9.1195941 01	1.6793070 01	1.0798901 02
2.7170002 01	9.5649404 01	1.7324528 01	1.1297393 02
2.7200002 01	9.5172130 01	1.7733344 01	1.1290548 02
2.7230002 01	8.8546049 01	1.7921041 01	1.0646709 02
2.7260002 01	7.6464801 01	1.7846957 01	9.4311758 01
2.7300002 01	5.5940681 01	1.7407304 01	7.3347985 01
2.7400002 01	1.6429117 01	1.5913299 01	3.2342416 01
2.7500002 01	5.0455828 00	1.5148603 01	2.0194185 01
2.7600002 01	2.7153032 00	1.4842896 01	1.7558200 01
2.7700002 01	1.9271059 00	1.4674861 01	1.6601967 01
2.7800002 01	1.5339554 00	1.4560003 01	1.6093958 01
2.8000002 01	1.1559503 00	1.4401441 01	1.5557392 01
2.8200002 01	9.8480013-01	1.4287795 01	1.5272595 01
2.8400002 01	8.9559057-01	1.4195986 01	1.5091576 01
2.8600002 01	8.4743001-01	1.4116535 01	1.4963965 01
2.8800002 01	8.2415491-01	1.4044855 01	1.4869010 01
2.9000002 01	8.1932483-01	1.3978660 01	1.4797984 01
2.9200002 01	8.3175445-01	1.3917198 01	1.4748953 01
2.9400002 01	8.6497705-01	1.3861561 01	1.4726538 01
2.9600002 01	9.3032707-01	1.3816768 01	1.4747095 01
2.9800002 01	1.0598390 00	1.3800215 01	1.4860054 01
2.9900002 01	1.1763113 00	1.3819632 01	1.4995943 01
3.0000002 01	1.3706714 00	1.3886943 01	1.5257615 01
3.0100002 01	1.7537847 00	1.4082939 01	1.5836724 01
3.0200001 01	2.7781810 00	1.4758546 01	1.7536727 01
3.0300002 01	6.1950508 00	1.7345500 01	2.3540551 01
3.0400002 01	1.4040280 01	2.3693009 01	3.7733289 01
3.0440002 01	1.7288256 01	2.6435359 01	4.3723615 01
3.0470002 01	1.8937915 01	2.7891100 01	4.6829014 01
3.0500002 01	1.9539130 01	2.8507904 01	4.8047034 01
3.0530002 01	1.8971365 01	2.8164480 01	4.7135846 01
3.0560002 01	1.7365236 01	2.6945210 01	4.4310445 01
3.0600002 01	1.4200416 01	2.4415134 01	3.8615549 01
3.0700002 01	6.6555678 00	1.8056265 01	2.4711833 01
3.0800002 01	3.5968148 00	1.5138559 01	1.8735374 01
3.0900002 01	3.0683668 00	1.4183233 01	1.7251600 01
3.1000002 01	3.5178543 00	1.3777250 01	1.7295104 01
3.1100002 01	5.0626930 00	1.3558565 01	1.8621258 01
3.1150002 01	6.8552953 00	1.3527689 01	2.0382984 01
3.1200002 01	1.0565453 01	1.3646094 01	2.4211546 01
3.1300002 01	3.5992186 01	1.5570939 01	5.1563125 01
3.1400001 01	1.0863457 02	2.2908014 01	1.3154259 02

TABLE I (Continued) T = 0.0253 ev

E_n(ev)	σ_γ(barns)	σ_s(barns)	σ_T(barns)
3.1440002 01	1.4130705 02	2.6781284 01	1.6808833 02
3.1470002 01	1.5818212 02	2.9135502 01	1.8731762 02
3.1500002 01	1.6418358 02	3.0488884 01	1.9467247 02
3.1530002 01	1.5788442 02	3.0578956 01	1.8846339 02
3.1560002 01	1.4080424 02	2.9446369 01	1.7025061 02
3.1600002 01	1.0807167 02	2.6605730 01	1.3467741 02
3.1800002 01	1.0409524 01	1.5844863 01	2.6254387 01
3.2000002 01	3.1195540 00	1.4456450 01	1.7576004 01
3.2200002 01	1.9231205 00	1.4040085 01	1.5963285 01
3.2400001 01	1.5380413 00	1.3799958 01	1.5338000 01
3.2600002 01	1.4901554 00	1.3617170 01	1.5107325 01
3.2700002 01	1.6113043 00	1.3530787 01	1.5142091 01
3.2800001 01	1.9779891 00	1.3439020 01	1.5417009 01
3.2900002 01	3.4243641 00	1.3338440 01	1.6762804 01
3.3000002 01	1.0467494 01	1.3309507 01	2.3777000 01
3.3050002 01	1.8875209 01	1.3422135 01	3.2297343 01
3.3100002 01	3.0228588 01	1.3679250 01	4.3907839 01
3.3140002 01	3.8955377 01	1.3965700 01	5.2921077 01
3.3170002 01	4.3433667 01	1.4184731 01	5.7618398 01
3.3200002 01	4.5021576 01	1.4365725 01	5.9387301 01
3.3230002 01	4.3353110 01	1.4476848 01	5.7829959 01
3.3260002 01	3.8817718 01	1.4502544 01	5.3320262 01
3.3300002 01	3.0068994 01	1.4414631 01	4.4483626 01
3.3400002 01	1.0386987 01	1.3943678 01	2.4330664 01
3.3500002 01	3.3473702 00	1.3621508 01	1.6968878 01
3.3600002 01	1.8642419 00	1.3469424 01	1.5333666 01
3.3700002 01	1.4549067 00	1.3376486 01	1.4831392 01
3.3800002 01	1.2777561 00	1.3304738 01	1.4582494 01
3.3900001 01	1.1864172 00	1.3243069 01	1.4429486 01
3.4000002 01	1.1377462 00	1.3186986 01	1.4324732 01
3.4100002 01	1.1140485 00	1.3134204 01	1.4248253 01
3.4200002 01	1.1068839 00	1.3083389 01	1.4190273 01
3.4300001 01	1.1119040 00	1.3033681 01	1.4145585 01
3.4400002 01	1.1268259 00	1.2984481 01	1.4111307 01
3.4600002 01	1.1826640 00	1.2885924 01	1.4068588 01
3.4800002 01	1.2733181 00	1.2785119 01	1.4058436 01
3.5000002 01	1.4056369 00	1.2680255 01	1.4085892 01
3.5100002 01	1.4917490 00	1.2625893 01	1.4117642 01
3.5200002 01	1.5948144 00	1.2570112 01	1.4164927 01
3.5300002 01	1.7188007 00	1.2512910 01	1.4231711 01
3.5400001 01	1.8691222 00	1.2454400 01	1.4323523 01
3.5600002 01	2.2819534 00	1.2335100 01	1.4617053 01
3.5800001 01	2.9426116 00	1.2220712 01	1.5163323 01
3.6000002 01	4.1078419 00	1.2141106 01	1.6248948 01
3.6100002 01	5.0710647 00	1.2142482 01	1.7213547 01
3.6200002 01	6.5403787 00	1.2214949 01	1.8755328 01
3.6300002 01	9.0223287 00	1.2458457 01	2.1480786 01
3.6400002 01	1.4164540 01	1.3244759 01	2.7409298 01
3.6500002 01	2.9950372 01	1.6630967 01	4.6581340 01
3.6600002 01	8.8307688 01	3.1670752 01	1.1997844 02
3.6700002 01	2.2223912 02	6.9657442 01	2.9189656 02
3.6740002 01	2.7727093 02	8.6455643 01	3.6372658 02
3.6770002 01	3.0595582 02	9.5954986 01	4.0191082 02
3.6800002 01	3.1830315 02	1.0109657 02	4.1939949 02
3.6830002 01	3.1291554 02	1.0132722 02	4.1424276 02
3.6860002 01	2.9258096 02	9.7319275 01	3.8990023 02
3.6900001 01	2.5364830 02	8.8641466 01	3.4228977 02
3.7000002 01	2.1686349 02	1.0324222 02	3.2010571 02
3.7100002 01	3.6972502 02	1.5831529 02	5.2804031 02
3.7140002 01	4.4478526 02	1.9225990 02	6.3704516 02
3.7170002 01	4.8252855 02	2.1051767 02	6.9304622 02
3.7200002 01	4.9452825 02	2.1836211 02	7.1289036 02
3.7210002 01	4.9205232 02	2.1830056 02	7.1035288 02

TABLE I (Continued) T = 0.0253 ev

E_n(ev)	σ_γ(barns)	σ_s(barns)	σ_T(barns)
3.7230002 01	4.7744699 02	2.1411334 02	6.9156033 02
3.7260002 01	4.3406724 02	1.9859941 02	6.3266665 02
3.7300002 01	3.4918891 02	1.6572752 02	5.1491644 02
3.7400002 01	1.3906569 02	7.9342802 01	2.1840848 02
3.7500002 01	4.5233569 01	3.8229934 01	8.3462602 01
3.7600002 01	1.9722163 01	2.5957082 01	4.5679245 01
3.7700002 01	1.1824999 01	2.1662967 01	3.3487966 01
3.7800002 01	8.2386938 00	1.9503224 01	2.7741718 01
3.7900000 01	6.2129103 00	1.8175152 01	2.4388043 01
3.8000002 01	4.9363944 00	1.7268381 01	2.2204775 01
3.8200002 01	3.4689051 00	1.6098476 01	1.9567381 01
3.8400002 01	2.6972603 00	1.5362745 01	1.8060005 01
3.8600002 01	2.2612541 00	1.4843720 01	1.7104974 01
3.8800002 01	2.0185197 00	1.4445753 01	1.6464273 01
3.9000002 01	1.9093554 00	1.4119841 01	1.6029196 01
3.9200002 01	1.9163422 00	1.3838140 01	1.5754483 01
3.9400001 01	2.0568402 00	1.3584400 01	1.5641240 01
3.9600002 01	2.4013207 00	1.3352324 01	1.5753644 01
3.9800001 01	3.1518078 00	1.3156137 01	1.6307944 01
4.0000001 01	4.9895221 00	1.3098392 01	1.8087914 01
4.0100002 01	7.1041668 00	1.3292071 01	2.0396187 01
4.0200001 01	1.2063887 01	1.4131335 01	2.6195222 01
4.0300002 01	2.8902605 01	1.8367859 01	4.7270443 01
4.0400002 01	8.8701985 01	3.6400979 01	1.2510296 02
4.0500002 01	2.1337951 02	7.8009624 01	2.9138914 02
4.0540002 01	2.6124066 02	9.5424461 01	3.5666506 02
4.0570002 01	2.8482028 02	1.0493253 02	3.8975280 02
4.0600002 01	2.9305111 02	1.0962584 02	4.0267694 02
4.0630001 01	2.8441581 02	1.0876603 02	3.9318183 02
4.0660002 01	2.6053203 02	1.0264758 02	3.6317961 02
4.0700002 01	2.1252078 02	8.8500174 01	3.0102095 02
4.0800002 01	8.8333998 01	4.8199352 01	1.3653335 02
4.0900001 01	2.8856465 01	2.6985670 01	5.5842135 01
4.1000002 01	1.2038856 01	2.3141671 01	3.2180527 01
4.1100002 01	7.0905365 00	1.7717713 01	2.4808249 01
4.1200002 01	4.9992374 00	1.6499661 01	2.1498897 01
4.1300001 01	3.8833530 00	1.5737585 01	1.9620938 01
4.1400002 01	3.2230212 00	1.5200824 01	1.8423845 01
4.1500002 01	2.8161204 00	1.4791251 01	1.7607371 01
4.1600002 01	2.5696700 00	1.4458728 01	1.7028398 01
4.1700001 01	2.4385920 00	1.4174283 01	1.6612875 01
4.1800002 01	2.4037125 00	1.3919425 01	1.6323137 01
4.1900002 01	2.4642989 00	1.3681131 01	1.6145430 01
4.2000002 01	2.6390806 00	1.3449353 01	1.6088433 01
4.2100002 01	2.9774434 00	1.3215898 01	1.6193342 01
4.2200002 01	3.5948974 00	1.2975479 01	1.6570376 01
4.2300002 01	4.8019271 00	1.2736782 01	1.7538709 01
4.2400001 01	7.7982835 00	1.2619825 01	2.0418109 01
4.2450002 01	1.1387072 01	1.2817672 01	2.4204744 01
4.2500002 01	1.8583193 01	1.3585234 01	3.2168427 01
4.2600002 01	5.7200702 01	1.9747760 01	7.6947962 01
4.2700002 01	1.3616904 02	3.5725885 01	1.7189493 02
4.2740002 01	1.6609466 02	4.2971164 01	2.0906682 02
4.2770002 01	1.8079009 02	4.7289683 01	2.2807977 02
4.2800001 01	1.8593788 02	4.9924487 01	2.3586236 02
4.2830002 01	1.8062215 02	5.0502640 01	2.3112479 02
4.2860002 01	1.6582011 02	4.9023395 01	2.1484351 02
4.2900002 01	1.3591157 02	4.4508650 01	1.8042022 02
4.3000002 01	5.7577005 01	2.9563293 01	8.7140299 01
4.3100002 01	1.9737871 01	2.0625763 01	4.0363634 01
4.3200002 01	1.0388645 01	1.7386634 01	2.7775280 01
4.3300002 01	1.2945955 01	1.6337116 01	2.9283071 01
4.3400002 01	3.2645203 01	1.6985121 01	4.9630324 01

TABLE I (Continued) T = 0.0253 ev

E_n(ev)	σ_γ(barns)	σ_s(barns)	σ_T(barns)
4.3500002 01	7.5377312 01	1.9980091 01	9.5357403 01
4.3540002 01	9.1665686 01	2.1395267 01	1.1306096 02
4.3570002 01	9.9631897 01	2.2225099 01	1.2185700 02
4.3590001 01	1.0207950 02	2.2587407 01	1.2466690 02
4.3600002 01	1.0234927 02	2.2699596 01	1.2504887 02
4.3610002 01	1.0197048 02	2.2762719 01	1.2473320 02
4.3630001 01	9.9309508 01	2.2738620 01	1.2204813 02
4.3660002 01	9.1049004 01	2.2342296 01	1.1339130 02
4.3700002 01	7.4436922 01	2.1278186 01	9.5715108 01
4.3800002 01	3.1029071 01	1.7883857 01	4.8912929 01
4.3900001 01	1.0078668 01	1.5841657 01	2.5920324 01
4.4000002 01	4.4242335 00	1.5047002 01	1.9471235 01
4.4100002 01	2.9452172 00	1.4678871 01	1.7624087 01
4.4200002 01	2.3824171 00	1.4435205 01	1.6817622 01
4.4300002 01	2.1664563 00	1.4238358 01	1.6404814 01
4.4400002 01	2.3916321 00	1.4058216 01	1.6449849 01
4.4500002 01	3.8172882 00	1.3895786 01	1.7713074 01
4.4550002 01	5.2315652 00	1.3842033 01	1.9073599 01
4.4600002 01	6.9026220 00	1.3824714 01	2.0727336 01
4.4640002 01	8.0773382 00	1.3839917 01	2.1917256 01
4.4670002 01	8.6546922 00	1.3864243 01	2.2518935 01
4.4700002 01	8.8579154 00	1.3893357 01	2.2751272 01
4.4730002 01	8.6512554 00	1.3920284 01	2.2571540 01
4.4760002 01	8.0729551 00	1.3938573 01	2.2011529 01
4.4800002 01	6.9033835 00	1.3942245 01	2.0845629 01
4.4900001 01	3.8584511 00	1.3851124 01	1.7709576 01
4.5000002 01	2.4917008 00	1.3707944 01	1.6199645 01
4.5100002 01	2.3716829 00	1.3585478 01	1.5957161 01
4.5200002 01	2.8491801 00	1.3490043 01	1.6339222 01
4.5300001 01	4.3589075 00	1.3450490 01	1.7809397 01
4.5400002 01	1.0377276 01	1.3721189 01	2.4098466 01
4.5500002 01	3.2015878 01	1.5249030 01	4.7264909 01
4.5600002 01	7.4835152 01	1.8797645 01	9.3632796 01
4.5640002 01	9.0726189 01	2.0277328 01	1.1100351 02
4.5670002 01	9.8479520 01	2.1098479 01	1.1957800 02
4.5700002 01	1.0118697 02	2.1529440 01	1.2271640 02
4.5710002 01	1.0086060 02	2.1573151 01	1.2243376 02
4.5730002 01	9.8386310 01	2.1506485 01	1.1989280 02
4.5760002 01	9.0570403 01	2.1044579 01	1.1161498 02
4.5800002 01	7.4671426 01	1.9904662 01	9.4576087 01
4.5900002 01	3.2119956 01	1.6419430 01	4.8539386 01
4.6000002 01	1.0734921 01	1.4400760 01	2.5135681 01
4.6100002 01	4.9141397 00	1.3688784 01	1.8602924 01
4.6200002 01	3.7006088 00	1.3410762 01	1.7111371 01
4.6250002 01	3.6135483 00	1.3322963 01	1.6936511 01
4.6300002 01	3.7531586 00	1.3253863 01	1.7007022 01
4.6400001 01	5.1305285 00	1.3191263 01	1.8321792 01
4.6500002 01	1.1439975 01	1.3502495 01	2.4942470 01
4.6600002 01	3.4009429 01	1.5229673 01	4.9239102 01
4.6700002 01	7.7752836 01	1.9146458 01	9.6899294 01
4.6740002 01	9.3803105 01	2.0763365 01	1.1456647 02
4.6770002 01	1.0160176 02	2.1659898 01	1.2326166 02
4.6800001 01	1.0430885 02	2.2133244 01	1.2644209 02
4.6810002 01	1.0397397 02	2.2182905 01	1.2615688 02
4.6830002 01	1.0146939 02	2.2115426 01	1.2358482 02
4.6860002 01	9.3568021 01	2.1621708 01	1.1518973 02
4.6900002 01	7.7454249 01	2.0390941 01	9.7845190 01
4.7000002 01	3.3823318 01	1.6577208 01	5.0400525 01
4.7100002 01	1.1306878 01	1.4325933 01	2.5632810 01
4.7200001 01	4.8874233 00	1.3529707 01	1.8417131 01
4.7300002 01	3.2871610 00	1.3232195 01	1.6519356 01
4.7400002 01	2.7570945 00	1.3068022 01	1.5825117 01
4.7500002 01	2.5619518 00	1.2951668 01	1.5513620 01

TABLE I (Continued) T = 0.0253 ev

E_n(ev)	σ_γ(barns)	σ_s(barns)	σ_T(barns)
4.7600002 01	2.5558660 00	1.2858342 01	1.5414208 01
4.7700002 01	2.7827680 00	1.2775107 01	1.5557875 01
4.7800002 01	3.7268598 00	1.2695417 01	1.6422277 01
4.7900001 01	6.8708109 00	1.2657416 01	1.9528227 01
4.8000002 01	1.2800520 01	1.2794393 01	2.5594912 01
4.8040002 01	1.4987021 01	1.2918069 01	2.7905090 01
4.8070002 01	1.6082282 01	1.3028049 01	2.9110331 01
4.8100002 01	1.6524903 01	1.3142620 01	2.9667523 01
4.8130002 01	1.6257254 01	1.3251793 01	2.9509047 01
4.8160002 01	1.5341957 01	1.3347294 01	2.8689251 01
4.8200002 01	1.3409285 01	1.3445951 01	2.6855237 01
4.8300001 01	8.1938566 00	1.3585294 01	2.1779151 01
4.8400002 01	5.8749748 00	1.3760599 01	1.9635574 01
4.8500002 01	5.9460009 00	1.4147757 01	2.0093757 01
4.8600002 01	7.0854585 00	1.4861019 01	2.1946478 01
4.8800002 01	1.2481918 01	1.8436259 01	3.0918177 01
4.9000002 01	3.4574966 01	3.6257447 01	7.0832413 01
4.9100002 01	8.0756086 01	7.7940475 01	1.5869656 02
4.9200002 01	2.0273384 02	1.9420311 02	3.9693695 02
4.9300002 01	3.9816800 02	3.8892411 02	7.8709211 02
4.9340002 01	4.6431770 02	4.5813120 02	9.2244890 02
4.9370002 01	4.9575323 02	4.9320333 02	9.8895657 02
4.9400001 01	5.0655009 02	5.0851474 02	1.0150648 03
4.9410002 01	5.0520112 02	5.0879863 02	1.0139998 03
4.9430002 01	4.9515564 02	5.0210744 02	9.9726309 02
4.9460002 01	4.6323492 02	4.7517239 02	9.3840731 02
4.9500002 01	3.9673952 02	4.1456321 02	8.1130273 02
4.9600002 01	2.0176591 02	2.2724008 02	4.2900600 02
4.9700002 01	8.0428756 01	1.0543710 02	1.8586586 02
4.9800002 01	3.4369246 01	5.6870253 01	9.1239499 01
5.0000001 01	1.2242704 01	3.1379438 01	4.3622142 01
5.0200002 01	6.7407674 00	2.4155653 01	3.0896420 01
5.0400000 01	4.4625002 00	2.0787911 01	2.5250411 01
5.0600002 01	3.3940519 00	1.8841793 01	2.2235845 01
5.0800002 01	3.9344699 00	1.7532578 01	2.1467048 01
5.1000002 01	1.2482735 01	1.6784516 01	2.9267251 01
5.1040002 01	1.4466142 01	1.6746919 01	3.1213061 01
5.1070001 01	1.5408819 01	1.6733707 01	3.2142526 01
5.1100002 01	1.5712282 01	1.6723074 01	3.2435357 01
5.1130002 01	1.5323432 01	1.6705324 01	3.2028757 01
5.1160002 01	1.4299669 01	1.6672482 01	3.0972150 01
5.1200002 01	1.2220273 01	1.6597579 01	2.8817852 01
5.1250002 01	9.1843661 00	1.6454947 01	2.5639312 01
5.1300002 01	6.4927192 00	1.6275839 01	2.2768558 01
5.1350002 01	4.6459860 00	1.6085267 01	2.0731254 01
5.1400002 01	3.7478403 00	1.5902155 01	1.9649996 01
5.1450002 01	3.7127912 00	1.5737027 01	1.9449819 01
5.1500002 01	4.4194387 00	1.5596807 01	2.0016245 01
5.1600002 01	7.1931671 00	1.5417924 01	2.2611092 01
5.1640002 01	8.2180072 00	1.5386677 01	2.3604685 01
5.1670002 01	8.7031594 00	1.5373660 01	2.4076820 01
5.1700002 01	8.8520483 00	1.5364483 01	2.4216532 01
5.1730002 01	8.6352028 00	1.5353953 01	2.3989156 01
5.1760002 01	8.0819220 00	1.5337405 01	2.3419327 01
5.1800002 01	6.9635031 00	1.5300642 01	2.2264145 01
5.1850002 01	5.3266208 00	1.5228719 01	2.0555340 01
5.1900001 01	3.8576349 00	1.5134506 01	1.8992141 01
5.2000002 01	2.2184730 00	1.4924109 01	1.7142582 01
5.2050002 01	2.0204518 00	1.4822187 01	1.6842639 01
5.2100002 01	2.1792661 00	1.4725563 01	1.6904830 01
5.2150002 01	2.7296848 00	1.4636449 01	1.7366134 01
5.2200002 01	3.7292172 00	1.4560580 01	1.8289797 01
5.2250002 01	5.1364102 00	1.4506939 01	1.9643350 01

TABLE I (Continued) T = 0.0253 ev

E_n(ev)	σ_γ(barns)	σ_s(barns)	σ_T(barns)
5.2300001 01	6.6939827 00	1.4483007 01	2.1176990 01
5.2340001 01	7.7399576 00	1.4484857 01	2.2224815 01
5.2370002 01	8.2383802 00	1.4494675 01	2.2733055 01
5.2400002 01	8.4035131 00	1.4507003 01	2.2910516 01
5.2430002 01	8.2079618 00	1.4516984 01	2.2724946 01
5.2460002 01	7.6804665 00	1.4520232 01	2.2200698 01
5.2500002 01	6.5989285 00	1.4509103 01	2.1108032 01
5.2550002 01	4.9999666 00	1.4468344 01	1.9468310 01
5.2600002 01	3.5463626 00	1.4404521 01	1.7950884 01
5.2700001 01	1.8206855 00	1.4253999 01	1.6074685 01
5.2800002 01	1.2816455 00	1.4116715 01	1.5398360 01
5.2900002 01	1.1590387 00	1.3996721 01	1.5155760 01
5.3000002 01	1.1616550 00	1.3883754 01	1.5045409 01
5.3100002 01	1.3008738 00	1.3769281 01	1.5070154 01
5.3200002 01	1.9174891 00	1.3648537 01	1.5566026 01
5.3300002 01	3.8716329 00	1.3542384 01	1.7414017 01
5.3400001 01	7.2625371 00	1.3518664 01	2.0781201 01
5.3440002 01	8.4435416 00	1.3541388 01	2.1984929 01
5.3470002 01	9.0105632 00	1.3566067 01	2.2576630 01
5.3500002 01	9.2096230 00	1.3592175 01	2.2801798 01
5.3530002 01	9.0113989 00	1.3614531 01	2.2625930 01
5.3560002 01	8.4470750 00	1.3628526 01	2.2075601 01
5.3600002 01	7.2746672 00	1.3629087 01	2.0903754 01
5.3700002 01	3.9257038 00	1.3542587 01	1.7468291 01
5.3800001 01	2.0146205 00	1.3401749 01	1.5416370 01
5.3900002 01	1.4326806 00	1.3272164 01	1.4704845 01
5.4000002 01	1.3247242 00	1.3159208 01	1.4483932 01
5.4200001 01	1.4034023 00	1.2948594 01	1.4351996 01
5.4400002 01	1.6459355 00	1.2732402 01	1.4378337 01
5.4600002 01	2.1127734 00	1.2496653 01	1.4609426 01
5.4800002 01	3.0923392 00	1.2235851 01	1.5328190 01
5.5000001 01	6.1975064 00	1.2014960 01	1.8212466 01
5.5100002 01	1.2198434 01	1.2213672 01	2.4412106 01
5.5200002 01	2.9611145 01	1.3847196 01	4.3458341 01
5.5300001 01	6.9254639 01	2.0651730 01	8.9906368 01
5.5340001 01	9.3154671 01	2.6388082 01	1.1954275 02
5.5370002 01	1.1418233 02	3.2260471 01	1.4644280 02
5.5400002 01	1.3755397 02	3.9548675 01	1.7710264 02
5.5430001 01	1.6256499 02	4.8108551 01	2.1067354 02
5.5460002 01	1.8797362 02	5.7539379 01	2.4551300 02
5.5500002 01	2.1924571 02	7.0274443 01	2.8952015 02
5.5540002 01	2.4248334 02	8.1205986 01	3.2368932 02
5.5570002 01	2.5137321 02	8.6874922 01	3.3824814 02
5.5600002 01	2.5116046 02	8.9565853 01	3.4072631 02
5.5610002 01	2.4895505 02	8.9731964 01	3.3868701 02
5.5630002 01	2.4141130 02	8.8953926 01	3.3036522 02
5.5660002 01	2.2297576 02	8.5171865 01	3.0814763 02
5.5700002 01	1.8844025 02	7.6205332 01	2.6464558 02
5.5800002 01	9.2446469 01	4.7228131 01	1.3967460 02
5.5900002 01	3.4115456 01	2.7632484 01	6.1747940 01
5.6000001 01	1.3257017 01	1.9761341 01	3.3018357 01
5.6100002 01	7.1868053 00	1.6974053 01	2.4160859 01
5.6200002 01	5.0814610 00	1.5698114 01	2.0779575 01
5.6300002 01	4.1548995 00	1.4911040 01	1.9065939 01
5.6400001 01	3.7690950 00	1.4334381 01	1.8103476 01
5.6500002 01	3.7695434 00	1.3865057 01	1.7634600 01
5.6600002 01	4.2121657 00	1.3457974 01	1.7670140 01
5.6700002 01	5.5352606 00	1.3131849 01	1.8667110 01
5.6800002 01	9.8461643 00	1.3222554 01	2.3068718 01
5.6900002 01	2.5432620 01	1.5497714 01	4.0930333 01
5.7000002 01	6.9051101 01	2.4377846 01	9.3428947 01
5.7100002 01	1.3833938 02	4.1352594 01	1.7969198 02
5.7140002 01	1.6147677 02	4.8079265 01	2.0955604 02

TABLE I (Continued) T = 0.0253 ev

E_n(ev)	σ_γ(barns)	σ_s(barns)	σ_T(barns)
5.7170002 01	1.7242084 02	5.1950554 01	2.2437140 02
5.7200002 01	1.7617128 02	5.4304249 01	2.3047553 02
5.7230002 01	1.7220929 02	5.4884327 01	2.2709361 02
5.7260002 01	1.6108855 02	5.3681372 01	2.1476992 02
5.7300002 01	1.3780453 02	4.9734493 01	1.8753903 02
5.7400001 01	6.8551509 01	3.4873896 01	1.0342540 02
5.7500002 01	2.5008888 01	2.3761405 01	4.8770294 01
5.7600002 01	9.2960406 00	1.8901930 01	2.8197970 01
5.7700002 01	4.7819696 00	1.7040582 01	2.1822552 01
5.7800001 01	3.2122191 00	1.6151123 01	1.9363343 01
5.7900002 01	2.4457913 00	1.5602685 01	1.8048477 01
5.8000001 01	1.9904731 00	1.5214444 01	1.7204916 01
5.8200002 01	1.4852439 00	1.4680297 01	1.6165540 01
5.8400002 01	1.2240337 00	1.4312942 01	1.5536976 01
5.8500001 01	1.1396475 00	1.4164452 01	1.5304099 01
5.8600001 01	1.0751606 00	1.4031797 01	1.5106958 01
5.8700002 01	1.0259737 00	1.3911307 01	1.4937281 01
5.8800000 01	9.8910012-01	1.3800249 01	1.4789349 01
5.8900001 01	9.6266497-01	1.3696500 01	1.4659165 01
5.9000000 01	9.4565047-01	1.3598350 01	1.4544001 01
5.9100002 01	9.3780023-01	1.3504332 01	1.4442132 01
5.9200001 01	9.3968720-01	1.3413123 01	1.4352810 01
5.9400001 01	9.8113631-01	1.3233757 01	1.4214894 01
5.9600001 01	1.1158888 00	1.3047060 01	1.4162949 01
5.9700001 01	1.2700526 00	1.2944041 01	1.4214094 01
5.9800001 01	1.6109072 00	1.2828608 01	1.4439515 01
5.9900002 01	2.6860828 00	1.2706553 01	1.5392635 01
6.0000001 01	6.6055781 00	1.2664786 01	1.9270364 01
6.0100000 01	1.7419507 01	1.2994634 01	3.0414141 01
6.0200002 01	3.4254167 01	1.3947311 01	4.8201478 01
6.0240002 01	3.9816173 01	1.4411495 01	5.4227668 01
6.0270002 01	4.2441678 01	1.4724781 01	5.7166459 01
6.0300000 01	4.3346118 01	1.4971215 01	5.8317333 01
6.0330002 01	4.2408753 01	1.5125472 01	5.7534224 01
6.0360001 01	3.9758299 01	1.5174630 01	5.4932929 01
6.0400000 01	3.4183950 01	1.5081428 01	4.9265378 01
6.0500001 01	1.7416057 01	1.4352923 01	3.1768979 01
6.0600000 01	6.6937744 00	1.3603873 01	2.0297647 01
6.0700002 01	2.8539648 00	1.3165880 01	1.6019845 01
6.0800000 01	1.9748503 00	1.2923944 01	1.4898795 01
6.0900002 01	2.3207815 00	1.2755808 01	1.5076590 01
6.1000001 01	4.0255463 00	1.2637315 01	1.6662861 01
6.1100002 01	6.8083820 00	1.2607512 01	1.9415894 01
6.1140002 01	7.7302784 00	1.2623808 01	2.0354087 01
6.1170002 01	8.1623670 00	1.2642414 01	2.0804781 01
6.1200002 01	8.3052883 00	1.2662439 01	2.0967728 01
6.1230002 01	8.1384326 00	1.2679898 01	2.0818331 01
6.1260002 01	7.6832036 00	1.2691232 01	2.0374436 01
6.1300002 01	6.7322310 00	1.2692685 01	1.9424916 01
6.1400002 01	3.8750173 00	1.2626156 01	1.6501173 01
6.1500002 01	2.0402698 00	1.2510560 01	1.4550830 01
6.1600002 01	1.3785610 00	1.2403100 01	1.3781661 01
6.1700002 01	1.2119031 00	1.2314067 01	1.3525970 01
6.1800002 01	1.1811267 00	1.2236324 01	1.3417450 01
6.1900001 01	1.1910945 00	1.2164683 01	1.3355778 01
6.2000001 01	1.2216696 00	1.2096860 01	1.3318529 01
6.2100002 01	1.2682309 00	1.2031845 01	1.3300075 01
6.2200002 01	1.3306517 00	1.1969165 01	1.3299817 01
6.2300002 01	1.4118390 00	1.1908570 01	1.3320409 01
6.2400002 01	1.5197985 00	1.1849744 01	1.3369542 01
6.2500002 01	1.6809172 00	1.1791809 01	1.3472726 01
6.2600002 01	2.0090810 00	1.1733173 01	1.3742254 01
6.2700002 01	2.9124976 00	1.1677700 01	1.4590197 01

TABLE I (Continued) T = 0.0253 ev

E_n(ev)	σ_γ(barns)	σ_s(barns)	σ_T(barns)
6.2800002 01	5.1183606 00	1.1657595 01	1.6775956 01
6.2900000 01	8.4034008 00	1.1736962 01	2.0140362 01
6.2940002 01	9.4997669 00	1.1802287 01	2.1302055 01
6.2970002 01	1.0045256 01	1.1859832 01	2.1905088 01
6.3000001 01	1.0284814 01	1.1920727 01	2.2205541 01
6.3030002 01	1.0197802 01	1.1981119 01	2.2178920 01
6.3060002 01	9.8071119 00	1.2037711 01	2.1844823 01
6.3100002 01	8.9239549 00	1.2103814 01	2.1027769 01
6.3200002 01	6.2197160 00	1.2230138 01	1.8449854 01
6.3300002 01	4.6783121 00	1.2381074 01	1.7059386 01
6.3400002 01	4.5717983 00	1.2665192 01	1.7236991 01
6.3500002 01	5.2715780 00	1.3172917 01	1.8444495 01
6.3600002 01	6.5332021 00	1.4042687 01	2.0575889 01
6.3800002 01	1.2051085 01	1.8501190 01	3.0552274 01
6.4000001 01	3.6826911 01	4.3354420 01	8.0181332 01
6.4100001 01	8.3467442 01	9.4873548 01	1.7834099 02
6.4200002 01	1.8215552 02	2.0904895 02	3.9120447 02
6.4300000 01	3.1172263 02	3.6572709 02	6.7744972 02
6.4340000 01	3.5148338 02	4.1653955 02	7.6802293 02
6.4370002 01	3.6986729 02	4.4186199 02	8.1172929 02
6.4400001 01	3.7611738 02	4.5321776 02	8.2933514 02
6.4410001 01	3.7534088 02	4.5365705 02	8.2899794 02
6.4430000 01	3.6953234 02	4.4949131 02	8.1902365 02
6.4460002 01	3.5086306 02	4.3127461 02	7.8213767 02
6.4500002 01	3.1086763 02	3.8837181 02	6.9923944 02
6.4600002 01	1.8145257 02	2.4076210 02	4.2221466 02
6.4700002 01	8.3238589 01	1.2361437 02	2.0685296 02
6.4800001 01	3.6794498 01	6.5774481 01	1.0256898 02
6.5000001 01	1.2070475 01	3.2410811 01	4.4481285 01
6.5200001 01	6.5740121 00	2.3796170 01	3.0370181 01
6.5400002 01	4.4023089 00	1.9892626 01	2.4294935 01
6.5600001 01	3.3324068 00	1.7634747 01	2.0967154 01
6.5800000 01	2.7620441 00	1.6128117 01	1.8890160 01
6.5900001 01	2.5890674 00	1.5534784 01	1.8123851 01
6.6000001 01	2.4715245 00	1.5012062 01	1.7483587 01
6.6100002 01	2.4019215 00	1.4542129 01	1.6944050 01
6.6200002 01	2.3767449 00	1.4111583 01	1.6488328 01
6.6300000 01	2.3960343 00	1.3710130 01	1.6106165 01
6.6400002 01	2.4635791 00	1.3329782 01	1.5793360 01
6.6600001 01	2.7841576 00	1.2609914 01	1.5394071 01
6.6800000 01	3.5170168 00	1.1933071 01	1.5450088 01
6.7000002 01	5.2505597 00	1.1401830 01	1.6652389 01
6.7100002 01	7.1463746 00	1.1408157 01	1.8554531 01
6.7200002 01	1.1266539 01	1.2321298 01	2.3587836 01
6.7300000 01	2.2690495 01	1.7062796 01	3.9753291 01
6.7400001 01	5.5596165 01	3.4847250 01	9.0443415 01
6.7500001 01	1.2851162 02	7.9939899 01	2.0845152 02
6.7600000 01	2.2608778 02	1.4736589 02	3.7345367 02
6.7640000 01	2.5620927 02	1.7097516 02	4.2718444 02
6.7670002 01	2.7015784 02	1.8376694 02	4.5392477 02
6.7700002 01	2.7490744 02	1.9090887 02	4.6581631 02
6.7710002 01	2.7432047 02	1.9190095 02	4.6622142 02
6.7730002 01	2.6992035 02	1.9175067 02	4.6167102 02
6.7760002 01	2.5576988 02	1.8636138 02	4.4213126 02
6.7799999 01	2.2548482 02	1.7088738 02	3.9637220 02
6.7900002 01	1.2802034 02	1.1214759 02	2.4016793 02
6.8000001 01	5.5419361 01	6.3147213 01	1.1856658 02
6.8100001 01	2.2611724 01	3.8460757 01	6.1072481 01
6.8200002 01	1.1174791 01	2.8436876 01	3.9611667 01
6.8300000 01	7.0363567 00	2.4024920 01	3.1061276 01
6.8400002 01	5.1281064 00	2.1588491 01	2.6716598 01
6.8599999 01	3.3690560 00	1.8842080 01	2.2211136 01
6.8800001 01	2.6046428 00	1.7253540 01	1.9858183 01

TABLE I (Continued) T = 0.0253 ev

E_n(ev)	σ_γ(barns)	σ_s(barns)	σ_T(barns)
6.9000002 01	2.2505445 00	1.6166129 01	1.8416673 01
6.9200001 01	2.1462638 00	1.5331675 01	1.7477939 01
6.9400001 01	2.3178464 00	1.4626363 01	1.6944210 01
6.9600001 01	3.3786799 00	1.3995497 01	1.7374178 01
6.9700001 01	5.8155602 00	1.3835498 01	1.9651058 01
6.9800000 01	1.3577334 01	1.4302163 01	2.7879496 01
6.9900001 01	3.1741433 01	1.6309256 01	4.8050689 01
7.0000002 01	5.6707991 01	1.9903080 01	7.6611070 01
7.0040002 01	6.4494680 01	2.1301081 01	8.5795761 01
7.0070002 01	6.8112427 01	2.2123079 01	9.0235505 01
7.0100002 01	6.9351024 01	2.2657286 01	9.2008309 01
7.0130000 01	6.8067021 01	2.2851879 01	9.0918901 01
7.0160002 01	6.4412789 01	2.2695005 01	8.7107794 01
7.0200002 01	5.6603100 01	2.1993999 01	7.8597098 01
7.0250002 01	4.4216978 01	2.0560290 01	6.4777267 01
7.0300001 01	3.1707462 01	1.8882972 01	5.0590433 01
7.0400001 01	1.3657869 01	1.6033590 01	2.9691458 01
7.0500002 01	5.9530645 00	1.4444730 01	2.0397795 01
7.0600000 01	3.5479925 00	1.3666740 01	1.7214732 01
7.0800000 01	2.5547612 00	1.2857375 01	1.5412137 01
7.1000002 01	2.4531760 00	1.2271761 01	1.4724937 01
7.1200002 01	2.6241963 00	1.1723221 01	1.4347417 01
7.1400001 01	3.0420451 00	1.1147286 01	1.4189332 01
7.1600002 01	3.9093868 00	1.0489702 01	1.4399089 01
7.1700002 01	4.7761254 00	1.0119915 01	1.4896041 01
7.1800000 01	6.6443786 00	9.7960266 00	1.6440405 01
7.1900002 01	1.2066244 01	1.0001229 01	2.2067473 01
7.2000002 01	2.8205660 01	1.2490115 01	4.0695775 01
7.2100001 01	6.4104011 01	2.0270974 01	8.4374986 01
7.2200001 01	1.1183370 02	3.3131338 01	1.4496504 02
7.2240001 01	1.2654550 02	3.8034019 01	1.6457952 02
7.2270000 01	1.3340361 02	4.0927088 01	1.7433069 02
7.2300000 01	1.3583395 02	4.2847532 01	1.7868148 02
7.2310000 01	1.3560118 02	4.3239683 01	1.7884087 02
7.2330002 01	1.3358152 02	4.3630857 01	1.7721238 02
7.2360002 01	1.2691872 02	4.3240494 01	1.7015921 02
7.2400002 01	1.1251806 02	4.1073825 01	1.5359189 02
7.2500002 01	6.5847875 01	3.1015093 01	9.6862968 01
7.2600002 01	3.1210211 01	2.1672415 01	5.2882626 01
7.2700002 01	1.6405610 01	1.6647771 01	3.3053381 01
7.2800000 01	1.2544228 01	1.4614651 01	2.7158878 01
7.2900001 01	1.2670982 01	1.3943720 01	2.6614703 01
7.3000002 01	1.4494325 01	1.4019204 01	2.8513528 01
7.3100000 01	1.7818913 01	1.4861896 01	3.2680809 01
7.3200002 01	2.3411188 01	1.6973115 01	4.0384303 01
7.3300000 01	3.3569138 01	2.1917134 01	5.5486272 01
7.3400002 01	5.5652824 01	3.5145276 01	9.0798101 01
7.3500002 01	1.1347235 02	7.5569235 01	1.8904158 02
7.3600001 01	2.6357328 02	1.9089883 02	4.5447211 02
7.3700002 01	5.6417693 02	4.3634595 02	1.0005229 03
7.3800000 01	9.3824747 02	7.6040844 02	1.6986559 03
7.3840000 01	1.0499485 03	8.6472991 02	1.9146783 03
7.3870002 01	1.1012123 03	9.1767532 02	2.0188876 03
7.3900002 01	1.1185968 03	9.4325158 02	2.0618485 03
7.3930002 01	1.1003121 03	9.3922606 02	2.0395381 03
7.3960002 01	1.0482722 03	9.0644361 02	1.9547158 03
7.4000002 01	9.3589152 02	8.2481192 02	1.7607034 03
7.4100002 01	5.6201984 02	5.2826018 02	1.0902800 03
7.4200002 01	2.6259166 02	2.7591780 02	5.3850946 02
7.4300001 01	1.1295990 02	1.4264286 02	2.5560276 02
7.4400001 01	5.5092445 01	8.7136743 01	1.4222919 02
7.4500002 01	3.2862643 01	6.3634794 01	9.6497436 01
7.4600000 01	2.2533029 01	5.1612024 01	7.4145053 01

TABLE I (Continued) T = 0.0253 ev

E_n(ev)	σ_γ(barns)	σ_s(barns)	σ_T(barns)
7.4700002 01	1.6698396 01	4.4268063 01	6.0966479 01
7.4800002 01	1.2986490 01	3.9276376 01	5.2262865 01
7.4900002 01	1.0451647 01	3.5654960 01	4.6106606 01
7.5000002 01	8.6559450 00	3.2706641 01	4.1562586 01
7.5100001 01	7.2886316 00	3.0748063 01	3.8037514 01
7.5200002 01	6.2623626 00	2.9006803 01	3.5270105 01
7.5300000 01	5.4656687 00	2.7571744 01	3.3035433 01
7.5400000 01	4.8325941 00	2.6364389 01	3.1196983 01
7.5600002 01	3.9253078 00	2.4437049 01	2.8360358 01
7.5800001 01	3.3391158 00	2.2947467 01	2.6286582 01
7.6000002 01	2.9923173 00	2.1755886 01	2.4726204 01
7.6200002 01	2.8693654 00	2.0689739 01	2.3559104 01
7.6400002 01	3.0662911 00	1.9733275 01	2.2799566 01
7.6600001 01	4.1502399 00	1.8820566 01	2.2950806 01
7.6700002 01	6.0485353 00	1.8524843 01	2.4573379 01
7.6800000 01	1.2061514 01	1.9672808 01	3.1134323 01
7.6900001 01	2.9511636 01	2.2602786 01	5.2114622 01
7.7000002 01	6.6298263 01	3.2196122 01	9.8494685 01
7.7100002 01	1.1301242 02	4.6782176 01	1.5979459 02
7.7140002 01	1.2704455 02	5.2079244 01	1.7912379 02
7.7170002 01	1.3349265 02	5.5115292 01	1.8860794 02
7.7200002 01	1.3567870 02	5.7045942 01	1.9272264 02
7.7230002 01	1.3337439 02	5.7726260 01	1.9108165 02
7.7260000 01	1.2682424 02	5.7080526 01	1.8390476 02
7.7300001 01	1.1269694 02	5.4443666 01	1.6714055 02
7.7400002 01	6.5980348 01	4.2715654 01	1.0869600 02
7.7500002 01	2.9315706 01	3.1646394 01	6.0956099 01
7.7600000 01	1.1949991 01	2.5582410 01	3.7332401 01
7.7700001 01	6.1492610 00	2.2573637 01	2.8722838 01
7.7800000 01	5.1422129 00	2.1247828 01	2.6390041 01
7.7900002 01	4.8755850 00	2.0539895 01	2.5915477 01
7.8000002 01	5.3553156 01	2.0297016 01	3.5850171 01
7.8100001 01	2.1795119 01	2.0486712 01	4.2281831 01
7.8140001 01	2.4282134 01	2.0619465 01	4.4901599 01
7.8170002 01	2.5407538 01	2.0708745 01	4.6116283 01
7.8200002 01	2.5754852 01	2.0772549 01	4.6527402 01
7.8230001 01	2.5280439 01	2.0798793 01	4.6079232 01
7.8260000 01	2.4029222 01	2.0780012 01	4.4809234 01
7.8300000 01	2.1377068 01	2.0682260 01	4.2059329 01
7.8400001 01	1.2718077 01	2.0166444 01	3.2884521 01
7.8500002 01	5.9974520 00	1.9562059 01	2.5559511 01
7.8600002 01	2.8566425 00	1.9103066 01	2.1959709 01
7.8700002 01	1.7349299 00	1.8791876 01	2.0526836 01
7.8800000 01	1.3542860 00	1.8563152 01	1.9917418 01
7.8900002 01	1.1783460 00	1.8375654 01	1.9554000 01
7.9000002 01	1.0700705 00	1.8212054 01	1.9282125 01
7.9200001 01	9.5544393-01	1.7929562 01	1.8865006 01
7.9400002 01	8.5434292-01	1.7666093 01	1.8540436 01
7.9600002 01	8.0469087-01	1.7468084 01	1.8272775 01
7.9800000 01	7.8292658-01	1.7266462 01	1.8049390 01
8.0000002 01	8.0553918-01	1.7072127 01	1.7877666 01
8.0100000 01	8.6115516-01	1.6973364 01	1.7834519 01
8.0200002 01	1.0310124 00	1.6869898 01	1.7900910 01
8.0300000 01	1.6069845 00	1.6762940 01	1.8369925 01
8.0400002 01	3.5188949 00	1.6676650 01	1.9995545 01
8.0500002 01	6.9276888 00	1.6677516 01	2.3605204 01
8.0600001 01	1.1482700 01	1.6820993 01	2.8303693 01
8.0640001 01	1.2845362 01	1.6906115 01	2.9751476 01
8.0670002 01	1.3470196 01	1.6969982 01	3.0440178 01
8.0700002 01	1.3680974 01	1.7027296 01	3.0708270 01
8.0730001 01	1.3455771 01	1.7072620 01	3.0528392 01
8.0760000 01	1.2817870 01	1.7101760 01	2.9919629 01
8.0800000 01	1.1441725 01	1.7111689 01	2.8553413 01

TABLE I (Continued) T = 0.0253 ev

E_n(ev)	σ_γ(barns)	σ_s(barns)	σ_T(barns)
8.0900002 01	6.8741763 00	1.7006440 01	2.3880616 01
8.1000002 01	3.2626629 00	1.6815214 01	2.0077876 01
8.1100002 01	1.5387302 00	1.6645281 01	1.8184011 01
8.1200002 01	9.4441653-01	1.6520723 01	1.7465140 01
8.1300001 01	7.5519032-01	1.6425531 01	1.7180721 01
8.1400001 01	6.7986818-01	1.6344983 01	1.7024851 01
8.1500002 01	6.3973414-01	1.6272057 01	1.6911792 01
8.1600000 01	6.1469460-01	1.6203677 01	1.6818372 01
8.1700002 01	5.9806035-01	1.6138275 01	1.6736336 01
8.1800002 01	5.8685060-01	1.6074928 01	1.6661779 01
8.1900002 01	5.7951795-01	1.6013015 01	1.6592533 01
8.2000002 01	5.7520774-01	1.5952054 01	1.6527262 01
8.2200002 01	5.7400290-01	1.5831583 01	1.6405586 01
8.2400001 01	5.8190927-01	1.5710953 01	1.6292862 01
8.2600002 01	5.9993024-01	1.5587704 01	1.6187635 01
8.2800001 01	6.3138567-01	1.5458953 01	1.6090339 01
8.3000002 01	6.8338784-01	1.5320759 01	1.6004147 01
8.3200002 01	7.7129229-01	1.5166960 01	1.5938253 01
8.3400002 01	9.3292679-01	1.4986628 01	1.5919555 01
8.3600001 01	1.2943223 00	1.4757371 01	1.6051694 01
8.3700002 01	1.7246521 00	1.4612378 01	1.6337030 01
8.3800000 01	2.8405751 00	1.4454045 01	1.7294620 01
8.3900001 01	6.3181755 00	1.4378304 01	2.0696480 01
8.4000002 01	1.6023142 01	1.4726349 01	3.0749490 01
8.4100002 01	3.5489044 01	1.6052797 01	5.1541841 01
8.4200002 01	5.9242118 01	1.8382431 01	7.7624548 01
8.4240002 01	6.6247190 01	1.9342573 01	8.5589764 01
8.4270002 01	6.9453808 01	1.9961594 01	8.9415402 01
8.4300000 01	7.0547357 01	2.0440455 01	9.0987812 01
8.4330002 01	6.9421383 01	2.0743967 01	9.0165350 01
8.4360002 01	6.6189014 01	2.0854363 01	8.7043377 01
8.4400002 01	5.9169644 01	2.0706652 01	7.9876295 01
8.4500002 01	3.5488242 01	1.9287946 01	5.4776187 01
8.4600001 01	1.6155991 01	1.7541178 01	3.3697170 01
8.4700001 01	6.5488442 00	1.6342345 01	2.2891189 01
8.4800000 01	3.1461718 00	1.5688110 01	1.8834281 01
8.4900002 01	2.1161579 00	1.5313152 01	1.7429310 01
8.5000002 01	1.7952710 00	1.5049547 01	1.6844818 01
8.5100002 01	1.7133680 00	1.4829401 01	1.6542768 01
8.5200002 01	1.7614708 00	1.4626345 01	1.6387816 01
8.5300000 01	1.9254256 00	1.4428306 01	1.6353731 01
8.5400001 01	2.2368556 00	1.4230709 01	1.6467565 01
8.5500002 01	2.7978686 00	1.4042513 01	1.6840382 01
8.5600000 01	3.9329257 00	1.3932731 01	1.7865656 01
8.5650002 01	5.0094688 00	1.3992107 01	1.9001577 01
8.5700002 01	6.8079102 00	1.4256631 01	2.1064540 01
8.5800000 01	1.5119452 01	1.6369281 01	3.1488733 01
8.5900002 01	3.6593456 01	2.3530409 01	6.0123864 01
8.6000002 01	7.7239196 01	3.9169188 01	1.1640839 02
8.6100001 01	1.2507058 02	6.0086754 01	1.8515733 02
8.6140001 01	1.3900960 02	6.7170895 01	2.0618049 02
8.6170002 01	1.4543126 02	7.1078697 01	2.1650996 02
8.6190001 01	1.4744897 02	7.2831618 01	2.2028058 02
8.6200002 01	1.4774356 02	7.3427336 01	2.2117090 02
8.6210002 01	1.4755875 02	7.3829578 01	2.2138832 02
8.6230001 01	1.4577117 02	7.4045732 01	2.1981690 02
8.6260000 01	1.3975645 02	7.2926438 01	2.1268288 02
8.6300000 01	1.2657880 02	6.9019106 01	1.9559791 02
8.6400002 01	8.2607738 01	5.2235194 01	1.3484293 02
8.6500002 01	4.9429308 01	3.6177893 01	8.5607201 01
8.6600002 01	3.6771453 01	2.7137340 01	6.3908793 01
8.6640002 01	3.4943191 01	2.5216169 01	6.0159360 01
8.6670002 01	3.3833504 01	2.4186171 01	5.8019675 01

TABLE I (Continued) T = 0.0253 ev

E_n(ev)	σ_γ(barns)	σ_s(barns)	σ_T(barns)
8.6700002 01	3.2580312 01	2.3399242 01	5.5979553 01
8.6730002 01	3.0973627 01	2.2774503 01	5.3748130 01
8.6760001 01	2.8922356 01	2.2250288 01	5.1172645 01
8.6800001 01	2.5535156 01	2.1636371 01	4.7171527 01
8.6900001 01	1.5667113 01	2.0274360 01	3.5941472 01
8.7000002 01	7.8416612 00	1.9144886 01	2.6986547 01
8.7100000 01	3.7920350 00	1.8346858 01	2.2138893 01
8.7200002 01	2.1919168 00	1.7825056 01	2.0016972 01
8.7300002 01	1.5767202 00	1.7466656 01	1.9043376 01
8.7400002 01	1.2796625 00	1.7197317 01	1.8476980 01
8.7500002 01	1.0958873 00	1.6981436 01	1.8077323 01
8.7600001 01	9.6649253-01	1.6801656 01	1.7768148 01
8.7800000 01	7.9461964-01	1.6514592 01	1.7309212 01
8.8000002 01	6.8656319-01	1.6291181 01	1.6977744 01
8.8200002 01	6.1364410-01	1.6108870 01	1.6722513 01
8.8400002 01	5.6219691-01	1.5954758 01	1.6516954 01
8.8600000 01	5.2485352-01	1.5820779 01	1.6345633 01
8.8800002 01	4.9732006-01	1.5701621 01	1.6198940 01
8.9000002 01	4.7695727-01	1.5593585 01	1.6070542 01
8.9200002 01	4.6208656-01	1.5494004 01	1.5956091 01
8.9400001 01	4.5162611-01	1.5400860 01	1.5852487 01
8.9500002 01	4.4782313-01	1.5356201 01	1.5804024 01
8.9600002 01	4.4488877-01	1.5312592 01	1.5757481 01
8.9800001 01	4.4146750-01	1.5227920 01	1.5669387 01
9.0000002 01	4.4117356-01	1.5145786 01	1.5586959 01
9.0200001 01	4.4400856-01	1.5065241 01	1.5509250 01
9.0400002 01	4.5016190-01	1.4985413 01	1.5435575 01
9.0600001 01	4.6003512-01	1.4905461 01	1.5365496 01
9.0800000 01	4.7429572-01	1.4824516 01	1.5298812 01
9.1000002 01	4.9397777-01	1.4741674 01	1.5235652 01
9.1200002 01	5.2064930-01	1.4655903 01	1.5176553 01
9.1400002 01	5.5671047-01	1.4566020 01	1.5122730 01
9.1600001 01	6.0591806-01	1.4470652 01	1.5076570 01
9.1800000 01	6.7437622-01	1.4368116 01	1.5042492 01
9.2000002 01	7.7250150-01	1.4256510 01	1.5029011 01
9.2200002 01	9.1930299-01	1.4133911 01	1.5053214 01
9.2400001 01	1.1527651 00	1.3999447 01	1.5152212 01
9.2600000 01	1.5594028 00	1.3858205 01	1.5417608 01
9.2800000 01	2.3855013 00	1.3746559 01	1.6132059 01
9.3000002 01	4.8457525 00	1.3991418 01	1.8837171 01
9.3100001 01	8.9504775 00	1.5042765 01	2.3993243 01
9.3200002 01	2.0228439 01	1.8790943 01	3.9019382 01
9.3300000 01	4.7316092 01	2.8983993 01	7.6300084 01
9.3400002 01	9.5249015 01	4.8525161 01	1.4377418 02
9.3500002 01	1.4892661 02	7.2403826 01	2.2133043 02
9.3540002 01	1.6414692 02	8.0027500 01	2.4417442 02
9.3570002 01	1.7103617 02	8.4060353 01	2.5509651 02
9.3600002 01	1.7336392 02	8.6301491 01	2.5966541 02
9.3610002 01	1.7307938 02	8.6618740 01	2.5969812 02
9.3630000 01	1.7092920 02	8.6595843 01	2.5752504 02
9.3660002 01	1.6394535 02	8.4956621 01	2.4890197 02
9.3700002 01	1.4863792 02	8.0091608 01	2.2872952 02
9.3800001 01	9.4969272 01	5.9957654 01	1.5492692 02
9.3900001 01	4.7202488 01	4.0045780 01	8.7248268 01
9.4000002 01	2.0215213 01	2.7728831 01	4.7944043 01
9.4100000 01	8.9530886 00	2.1945578 01	3.0898667 01
9.4200002 01	4.8431407 00	1.9446416 01	2.4289556 01
9.4400002 01	2.3831700 00	1.7510520 01	1.9893639 01
9.4600001 01	1.5627729 00	1.6657918 01	1.8220690 01
9.4800000 01	1.1618930 00	1.6148918 01	1.7310811 01
9.5000002 01	9.3417415-01	1.5799954 01	1.6734128 01
9.5200002 01	7.9341184-01	1.5538693 01	1.6332104 01
9.5400002 01	7.0192751-01	1.5330175 01	1.6032098 01

TABLE I (Continued)

T = 0.0253 ev

E_n(ev)	σ_γ(barns)	σ_s(barns)	σ_T(barns)
9.5500002 01	6.6841344-01	1.5239348 01	1.5907761 01
9.5600000 01	6.4102021-01	1.5155217 01	1.5796244 01
9.5800000 01	6.0671139-01	1.5002271 01	1.5602982 01
9.5900002 01	5.8642097-01	1.4931580 01	1.5518001 01
9.6000002 01	5.7541962-01	1.4863745 01	1.5439164 01
9.6050001 01	5.7105276-01	1.4830706 01	1.5401759 01
9.6100001 01	5.6740240-01	1.4798160 01	1.5365562 01
9.6200002 01	5.6216948-01	1.4734271 01	1.5296440 01
9.6400001 01	5.5972171-01	1.4609638 01	1.5169360 01
9.6600002 01	5.6833015-01	1.4486178 01	1.5054507 01
9.6800000 01	5.8998114-01	1.4360238 01	1.4950219 01
9.7000002 01	6.2933640-01	1.4227623 01	1.4856960 01
9.7200001 01	6.9618747-01	1.4082844 01	1.4779032 01
9.7400002 01	8.1214064-01	1.3917815 01	1.4729956 01
9.7600002 01	1.0325759 00	1.3719625 01	1.4752201 01
9.7700002 01	1.2291429 00	1.3602430 01	1.4831573 01
9.7800000 01	1.5650238 00	1.3473016 01	1.5038039 01
9.8000002 01	4.2025394 00	1.3394528 01	1.7597068 01
9.8100000 01	9.6648881 00	1.4090509 01	2.3755397 01
9.8200002 01	2.2739140 01	1.6512585 01	3.9251725 01
9.8300000 01	4.5485475 01	2.1612858 01	6.7098333 01
9.8400002 01	7.0544807 01	2.8303938 01	9.8848746 01
9.8440002 01	7.7592801 01	3.0619709 01	1.0821251 02
9.8470001 01	8.0775909 01	3.1956521 01	1.1273243 02
9.8500002 01	8.1852295 01	3.2845696 01	1.1469799 02
9.8530002 01	8.0731393 01	3.3230351 01	1.1396175 02
9.8560001 01	7.7509538 01	3.3096592 01	1.1060613 02
9.8600001 01	7.0426937 01	3.2168191 01	1.0259512 02
9.8700002 01	4.5380953 01	2.7357978 01	7.2738931 01
9.8800000 01	2.2722643 01	2.2039181 01	4.4761824 01
9.8900002 01	9.7068291 00	1.8475227 01	2.8182056 01
9.9000002 01	4.2635162 00	1.6667002 01	2.0930518 01
9.9100002 01	2.3483699 00	1.5819925 01	1.8168295 01
9.9200002 01	1.6454571 00	1.5371995 01	1.7017452 01
9.9400001 01	1.1412234 00	1.4871952 01	1.6013176 01
9.9600000 01	9.5290696-01	1.4560394 01	1.5513301 01
9.9800002 01	8.7324108-01	1.4326947 01	1.5200188 01
1.0000002 02	8.4837106-01	1.4133763 01	1.4982135 01
1.0020002 02	8.5876543-01	1.3963659 01	1.4822424 01
1.0040002 02	8.9748133-01	1.3807922 01	1.4705403 01
1.0050002 02	9.2709479-01	1.3734007 01	1.4661102 01
1.0060002 02	9.6594654-01	1.3662372 01	1.4626319 01
1.0070002 02	1.0086821 00	1.3593017 01	1.4601699 01
1.0075002 02	1.0342914 00	1.3559246 01	1.4593538 01
1.0080002 02	1.0622538 00	1.3526126 01	1.4588380 01
1.0090002 02	1.1259731 00	1.3462140 01	1.4588114 01
1.0100002 02	1.2015839 00	1.3401808 01	1.4603392 01
1.0120002 02	1.3985072 00	1.3297403 01	1.4695909 01
1.0140002 02	1.6823976 00	1.3230844 01	1.4913241 01
1.0160002 02	2.1076428 00	1.3241228 01	1.5348871 01
1.0180002 02	2.7836797 00	1.3418430 01	1.6202109 01
1.0200002 02	3.9615473 00	1.3994298 01	1.7955845 01
1.0220002 02	6.3659791 00	1.5717079 01	2.2083059 01
1.0240002 02	1.3378364 01	2.2401762 01	3.5780126 01
1.0245002 02	1.7447580 01	2.6679594 01	4.4127173 01
1.0250002 02	2.3657412 01	3.3385370 01	5.7042781 01
1.0260002 02	4.7326966 01	5.9561773 01	1.0688874 02
1.0270002 02	9.5210640 01	1.1337387 02	2.0858451 02
1.0280002 02	1.6931663 02	1.9817961 02	3.6749623 02
1.0290002 02	2.4523033 02	2.8871972 02	5.3395004 02
1.0294002 02	2.6591506 02	3.1543892 02	5.8135397 02
1.0297002 02	2.7518110 02	3.2891504 02	6.0409614 02
1.0299002 02	2.7796680 02	3.3424937 02	6.1221617 02

TABLE I (Continued) T = 0.0253 ev

E_n(ev)	σ_γ(barns)	σ_s(barns)	σ_T(barns)
1.0300002 02	2.7829919 02	3.3575751 02	6.1405669 02
1.0301002 02	2.7791835 02	3.3647931 02	6.1439766 02
1.0303002 02	2.7503756 02	3.3555838 02	6.1059588 02
1.0306002 02	2.6564415 02	3.2842061 02	5.9406417 02
1.0310002 02	2.4483786 02	3.0920197 02	5.5403977 02
1.0320002 02	1.6892629 02	2.3023004 02	3.9915633 02
1.0330002 02	9.5096004 01	1.4663134 02	2.4172735 02
1.0340002 02	4.7495232 01	8.8287314 01	1.3574255 02
1.0350002 02	2.3917567 01	5.6576972 01	8.0494539 01
1.0360002 02	1.3727686 01	4.1098921 01	5.4826609 01
1.0370002 02	9.2139674 00	3.3243943 01	4.2457911 01
1.0380002 02	6.9446616 00	2.8711719 01	3.5656381 01
1.0390002 02	5.6672961 00	2.5741060 01	3.1408356 01
1.0400002 02	4.9306094 00	2.3609217 01	2.8539826 01
1.0410002 02	4.5651649 00	2.1982530 01	2.6547695 01
1.0420002 02	4.5374716 00	2.0693170 01	2.5230641 01
1.0430002 02	4.9663434 00	1.9685245 01	2.4651588 01
1.0440002 02	6.3623433 00	1.9110648 01	2.5472992 01
1.0450002 02	1.0379246 01	1.9746809 01	3.0126057 01
1.0460002 02	2.1066853 01	2.3041391 01	4.4910044 01
1.0470002 02	4.4485209 01	3.5304362 01	7.9789571 01
1.0480002 02	8.2303542 01	5.6454694 01	1.3875824 02
1.0490002 02	1.2188966 02	8.1639971 01	2.0352984 02
1.0494002 02	1.3275856 02	8.9775347 01	2.2253391 02
1.0497002 02	1.3762919 02	9.4216028 01	2.3186722 02
1.0499002 02	1.3908835 02	9.6259174 01	2.3534752 02
1.0500002 02	1.3925736 02	9.6959370 01	2.3621667 02
1.0501002 02	1.3904988 02	9.7446678 01	2.3649656 02
1.0503002 02	1.3751561 02	9.7772699 01	2.3528831 02
1.0506002 02	1.3253974 02	9.6659666 01	2.2919941 02
1.0510002 02	1.2155560 02	9.2421671 01	2.1397735 02
1.0520002 02	8.1840945 01	7.2718943 01	1.5455988 02
1.0530002 02	4.4040142 01	5.1095319 01	9.5135462 01
1.0540002 02	2.0687826 01	3.6114400 01	5.6802226 01
1.0550002 02	1.0295567 01	2.8172936 01	3.8458503 01
1.0560002 02	7.3754088 00	2.4377609 01	3.1753017 01
1.0570002 02	6.8311190 00	2.2524234 01	3.1355353 01
1.0580002 02	1.3326200 01	2.1717596 01	3.5043796 01
1.0590002 02	1.8543180 01	2.1626056 01	4.0169242 01
1.0594002 02	1.9981732 01	2.1705372 01	4.1687105 01
1.0597002 02	2.0598904 01	2.1776772 01	4.2375677 01
1.0600002 02	2.0753106 01	2.1841334 01	4.2594441 01
1.0603002 02	2.0423874 01	2.1885240 01	4.2309113 01
1.0606002 02	1.9630542 01	2.1897345 01	4.1527887 01
1.0610002 02	1.7952288 01	2.1851996 01	3.9804283 01
1.0620002 02	1.2060291 01	2.1428717 01	3.3497008 01
1.0630002 02	6.6208061 00	2.0748099 01	2.7368906 01
1.0640002 02	3.3445604 00	2.0090071 01	2.3434631 01
1.0650002 02	1.8808824 00	1.9579908 01	2.1460790 01
1.0655002 02	1.3153176 00	1.9203253 01	2.0518570 01
1.0680002 02	9.4715892-01	1.8671427 01	1.9618585 01
1.0700002 02	7.9245637-01	1.8282450 01	1.9074906 01
1.0750002 02	6.0572824-01	1.7590056 01	1.8195785 01
1.0800002 02	5.2950753-01	1.7091969 01	1.7621476 01
1.0850002 02	5.2509169-01	1.6670305 01	1.7195397 01
1.0900002 02	6.6504503-01	1.6225080 01	1.6890125 01
1.0930002 02	1.0992197 00	1.5860451 01	1.6959671 01
1.0950002 02	3.0334963 00	1.5654050 01	1.8687547 01
1.0970002 02	1.5050545 01	1.7106902 01	3.2157447 01
1.0990002 02	4.2250550 01	2.3042833 01	6.5293384 01
1.1000002 02	4.8342333 01	2.5652929 01	7.3995261 01
1.1010002 02	4.2172238 01	2.5915786 01	6.8088023 01
1.1030002 02	1.4991416 01	2.1451454 01	3.6442871 01

TABLE I (Continued)

T = 0.0253 ev

E_n(ev)	σ_γ(barns)	σ_s(barns)	σ_T(barns)
1.1050002 02	2.9934646 00	1.8319146 01	2.1312610 01
1.1070002 02	1.0382163 00	1.7227656 01	1.8265872 01
1.1100002 02	5.7531099-01	1.4914862 01	1.5490173 01
1.1150002 02	3.8078348-01	1.2619908 01	1.3000691 01
1.1200002 02	2.9329510-01	1.1769481 01	1.2062777 01
1.1250002 02	2.0194696-01	9.4426653 00	9.6446122 00
1.1300002 02	1.8169850-01	7.6047407 00	7.7864391 00
1.1350001 02	1.6574913-01	5.7961094 00	5.9618585 00
1.1400001 02	1.6293413-01	3.3140358 00	3.4769699 00

TABLE II

Hf CROSS SECTIONS

Hf 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)
2.530CCC2-C2	1.0175275 02	9.3475438 CC	1.1110029 02
3.5CCC002-02	8.7394079 01	9.3387C6C C0	9.6732764 01
5.00CC007-C2	7.4295672 C1	9.3354655 CC	8.3631138 01
8.00CC0C7-C2	6.07C1617 01	9.3420649 C0	7.CC43682 01
1.000CCC2-01	5.554C69C 01	9.35C65C8 C0	6.4891341 C1
1.50CC0C2-01	4.8139932 01	9.38C3487 C0	5.7520281 C1
2.00CCCC2-01	4.4462271 01	9.4198957 CC	5.3882167 01
2.500C002-01	4.2637494 01	9.4698C29 C0	5.2107297 01
3.00CC0C5-C1	4.1564932 01	9.5318623 C0	5.1516794 01
4.00CC0C6-01	4.325690C 01	9.7C438E7 C0	5.2961287 01
5.0CCC002-01	4.7849985 01	9.9746542 CC	5.7824635 01
6.00CC0C2-01	5.7095259 01	1.C417773 01	6.7517031 01
7.0CCCCC2-01	7.5115982 01	1.12052E0 C1	8.6321261 01
8.C00C002-C1	1.143749C 02	1.2814042 01	1.2718894 02
8.50CC0C2-01	1.5371751 02	1.4356268 01	1.68C7378 02
9.00CCCC2-01	2.2602C54 02	1.7C91725 01	2.4311227 02
9.5CCC002-01	3.8305660 02	2.2795944 01	4.0585255 02
1.00CC002 C0	8.3835171 C2	3.8534172 01	8.7688588 02
1.040C002 CC	2.049C611 03	7.8236542 01	2.1272976 03
1.070CCC2 C0	3.8165628 03	1.3332861 02	3.9498914 03
1.09CC002 00	4.7282733 03	1.5939844 02	4.8876718 03
1.1C0C002 00	4.8345692 03	1.6089832 02	4.9554676 03
1.110C0C2 00	4.658457C 03	1.5346167 02	4.8119587 03
1.13CCC02 C0	3.66921C6 03	1.1933737 02	3.7885480 03
1.16CC0C2 00	1.9364213 03	6.3449280 01	1.9998706 03
1.200CCC2 C0	7.7793473 02	2.7S2C256 01	8.C585503 02
1.300C0C2 C0	1.9734274 02	1.1507547 01	2.0885028 02
1.4CCCCC2 C0	9.892C431 01	9.1854372 00	1.0810587 02
1.500C002 C0	6.8399616 01	8.7021380 00	7.7101754 01
1.6000002 C0	5.8C69185 C1	8.8013335 C0	6.6870518 01
1.65CCCC1 00	5.6725985 01	8.9969349 C0	6.5726915 01
1.7CCC002 00	5.7285718 01	9.2939878 CC	6.65797C6 01
1.750C000 CC	5.9627396 01	9.7132678 C0	6.934C663 01
1.800C0C2 C0	6.3873388 01	1.0291987 C1	7.4165376 01
1.850C0C2 00	7.C384334 01	1.1090838 01	8.1475172 01
1.90CCC02 00	7.9846108 01	1.2208124 01	9.2054233 01
2.0CCC002 CC	1.1333263 02	1.6172373 01	1.2550SCC 02
2.100C0C2 00	1.913C961 02	2.585C643 01	2.1716026 02
2.150CCC2 C0	2.7461746 02	3.667C929 01	3.1128835 02
2.2C0C002 00	4.4C12867 02	5.8986675 C1	4.9511535 02
2.25000C2 00	8.5454339 02	1.172531C C2	9.7179649 02
2.300C0C2 C0	2.2186573 03	3.1778073 02	2.5364380 03
2.32CCCC2 C0	3.3546236 03	4.8908093 C2	3.8437045 03
2.350C002 CC	5.5885235 03	8.3366529 C2	6.4221888 03
2.370C002 C0	6.8518705 C3	1.0357535 C3	7.8876239 03
2.38CCCC2 00	7.2079291 03	1.C965259 C3	8.304455C 03
2.39CC002 00	7.3127438 03	1.1195840 C3	8.4323276 03
2.400C002 CC	7.1531909 C3	1.10235C6 C3	8.2555415 03
2.410C0C2 CC	6.7511C35 03	1.04758C8 C3	7.7586844 03
2.440C0C2 00	4.6784118 03	7.44C9015 C2	5.4225020 03
2.45CC002 00	3.9288062 03	6.313C930 02	4.5601155 03
2.500C002 00	1.4139972 03	2.4436388 C2	1.6583610 03
2.550CCC2 C0	5.9587748 02	1.1409899 02	7.1397646 02
2.60CCCC2 C0	3.2967117 02	6.5C74074 C1	3.9874525 02
2.70CC0C2 00	1.4740374 02	3.7225258 01	1.8462899 02
2.8CC0002 00	8.5347331 01	2.5655497 01	1.1100283 02
3.00CCCC2 C0	4.1665376 01	1.6795586 01	5.8460963 01
3.2CCC0C2 00	2.6756497 01	1.3337325 C1	4.0093626 01
3.400C002 C0	2.0182205 01	1.1548565 C1	3.1730774 01
3.600C0C2 00	1.6946608 C1	1.0459257 C1	2.7405866 01
3.800C002 00	1.5364849 01	9.72178C7 C0	2.5086630 01
3.900C0C0 00	1.4965307 01	9.4344766 C0	2.4399784 01
4.00CC0C2 00	1.4764721 01	9.1865045 C0	2.3951225 01

TABLE II (Continued) T = 0.05 ev

E_n(ev)	σ_γ(barns)	σ_s(barns)	σ_T(barns)
4.1CCC0C2 C0	1.4737499 01	8.9707149 C0	2.3708214 C1
4.2CCC0C0 C0	1.4866710 01	8.7821281 C0	2.3651835 C1
4.30CC0C2 00	1.5157290 01	8.6174471 C0	2.3774737 C1
4.4CCCCC2 C0	1.5605288 01	8.4746554 C0	2.4079944 C1
4.500CCC2 C0	1.6228811 01	8.3528872 C0	2.4581699 C1
4.6CCCCC1 C0	1.7C55578 01	8.2524173 CC	2.5307596 01
4.7CCCC02 C0	1.8131074 01	8.1748188 00	2.6305853 C1
4.80CCC02 00	1.9528354 01	8.12338C7 C0	2.7651734 C1
5.00CCCC2 C0	2.3851284 01	8.1268778 C0	3.1978162 C1
5.1CCCCC2 00	2.7357923 01	8.2110515 CC	3.5569015 C1
5.20CC002 CC	3.265577C C1	8.3953739 C0	4.1051144 C1
5.300CCC2 C0	4.15E41C9 01	8.7736363 C0	5.0357746 C1
5.4CCC002 C0	5.99C3352 01	9.6527381 C0	6.9556089 C1
5.50CC002 00	1.2057785 02	1.3C125C3 01	1.3359035 C2
5.600C001 00	5.0059922 02	3.8911984 01	5.3951121 02
5.650C0C2 C0	8.8609213 02	6.8999222 01	9.55C9135 02
5.68CCCC2 00	1.C348612 03	8.3107575 01	1.1179688 C3
5.7CCC002 00	1.0555274 03	8.7396133 01	1.1429236 C3
5.72CC002 CC	1.0170994 03	8.7557365 C1	1.1046567 C3
5.750C0C2 C0	9.1037506 02	8.4223667 C1	9.9459874 C2
5.8CCC0C2 C0	9.0618761 02	9.2C6C371 01	9.9824799 C2
5.84CCCC2 C0	1.1850211 03	1.2005652 C2	1.3C5078C C3
5.87CC002 C0	1.421C852 03	1.4151C59 C2	1.5625962 C3
5.90CCCC2 C0	1.5055C02 C3	1.4799228 02	1.6534925 C3
5.93CCCC2 CC	1.3630340 03	1.3334491 02	1.4963789 C3
5.96CC002 CC	1.0558081 C3	1.0392931 C2	1.1597375 C3
6.000C0C2 C0	6.191C665 02	6.3212578 01	6.8231922 C2
6.05CCCC2 C0	2.8532274 02	3.2858570 01	3.1818131 C2
6.1CCC002 00	1.5915865 02	2.1861607 C1	1.8102026 C2
6.15CC001 CC	1.1778059 02	1.8647587 01	1.3642818 C2
6.20CC0C1 CC	1.047639C 02	1.8108479 01	1.2287237 02
6.22CCCC1 C0	1.C351766 02	1.8311792 01	1.2182945 C2
6.250C0C0 00	1.0488952 02	1.9021087 01	1.2391C61 C2
6.28CC002 C0	1.1016488 C2	2.0293C98 01	1.3045798 C2
6.300CCC2 C0	1.1622BCC 02	2.1558863 01	1.3778686 C2
6.35CCCC2 C0	1.4545104 02	2.7376122 C1	1.7282716 C2
6.4CCC002 C0	2.2238522 02	4.3451740 01	2.6583697 C2
6.45CCCC2 00	4.5269683 C2	9.6005264 01	5.4890211 C2
6.50CCCC2 C0	1.043C873 03	2.4C4C383 C2	1.2834911 C3
6.54CCCC2 C0	1.77C861C 03	4.2886678 C2	2.1997277 C3
6.57CC002 CC	2.2485855 C3	5.6145496 C2	2.81004C5 C3
6.600C0C2 C0	2.4334523 C3	6.2556BC2 C2	3.059C603 C3
6.63CCCC2 C0	2.2335380 03	5.926C046 02	2.8261385 C3
6.66CCC01 00	1.7526545 03	4.8347665 C2	2.2361312 C3
6.7CCC002 CC	1.0379196 C3	3.0857758 C2	1.3464973 C3
6.750CCC2 C0	4.6555662 02	1.6C87CC6 C2	6.2642667 C2
6.8CCCCC2 C0	2.437398C 02	1.CC66980 C2	3.4440959 C2
6.9CCC0C2 00	1.4940494 02	7.5397119 01	2.2480266 C2
6.95CCC02 C0	1.4301873 02	7.566C1C7 01	2.1867884 C2
7.00CC002 CC	1.4532531 02	7.9515986 C1	2.2484129 C2
7.1CCCCC1 C0	1.6756911 C2	9.6403978 01	2.6397309 C2
7.20CC0C2 C0	2.1357133 02	1.2863762 C2	3.4260896 C2
7.300C002 C0	2.9895680 C2	1.8817328 C2	4.8713008 C2
7.4CCC001 C0	4.6583323 02	3.0843426 C2	7.7426748 C2
7.5CCCCC0 CC	8.6310462 02	6.C511468 C2	1.4682193 C3
7.6CCCCC2 00	2.2445079 03	1.6804163 C3	3.9249241 C3
7.70CC001 C0	7.5744926 C3	5.9856765 C3	1.356017C C4
7.74CC002 C0	1.0787458 C4	8.645C533 C3	1.9432512 C4
7.76CC0C2 C0	1.2118587 04	9.77018C0 03	2.1888767 C4
7.77CCCC1 C0	1.2626569 04	1.C2C8645 C4	2.2835215 C4
7.80CC0C2 C0	1.3288891 04	1.C832447 04	2.4121338 C4
7.83CC0C2 C0	1.2533416 04	1.C30C893 04	2.2834309 C4
7.86CC002 00	1.0641548 04	8.8243156 C3	1.9465863 C4

TABLE II (Continued) T = 0.05 ev

E_n(ev)	σ_γ(barns)	σ_s(barns)	σ_T(barns)
7.90CC002 C0	7.4347594 C3	6.2533528 C3	1.3688152 04
8.00CCCC2 00	2.1991215 03	1.9528291 C3	4.1519506 03
8.1CCCCC1 C0	8.3618679 02	7.9225772 C2	1.6284445 03
8.200C002 00	4.4597286 02	4.4535748 C2	8.9133C34 02
8.300CC02 00	2.8485539 02	2.9448CCC C2	5.793754C 02
8.40GCCG1 00	2.071CC21 02	2.13725C1 C2	4.2082522 02
8.5CCC0C0 00	1.7659552 02	1.656449C C2	3.4264C42 02
8.6CCC002 CC	2.3717247 C2	1.4221574 C2	3.7938822 02
8.6500001 CC	3.9045133 C2	1.5C44151 02	5.4C89284 02
8.7CCCCC2 C0	7.0712969 02	1.8566122 02	8.9279C91 02
8.74CC002 00	1.0295334 03	2.2929156 02	1.258825C 03
8.77CC0C0 CC	1.2187127 03	2.58443C7 02	1.4771557 03
8.790CCC1 C0	1.2759492 03	2.6998868 02	1.5499379 03
8.8CCCC02 00	1.2858691 03	2.7243449 02	1.5583037 03
8.81CC002 00	1.2746326 03	2.7244991 02	1.5470825 03
8.83CC002 C0	1.2034C72 03	2.6524188 02	1.4686490 C3
8.86CCCC0 C0	1.0C25224 03	2.393C838 02	1.2418307 C3
8.9CCCCC1 C0	6.7C84723 02	1.9130714 02	8.6215437 C2
8.95CC002 00	3.45CC687 02	1.3889797 C2	4.8350484 02
9.000CC00 00	1.7819C37 02	1.0782766 C2	2.86C18C3 02
9.100CCC2 00	7.93C7242 01	8.2488461 01	1.617957C 02
9.2CCCCC2 00	5.3681604 01	7.1271766 C1	1.2495337 02
9.300C002 CC	4.1410079 C1	6.3851129 C1	1.0526121 02
9.40000C1 CC	3.3647584 01	5.8263289 01	9.2110873 01
9.6CCCCC1 00	2.4671811 01	5.0144656 01	7.4816467 01
9.800C002 00	1.9162313 01	4.4427314 C1	6.3589627 01
1.0000002 C1	1.5456162 C1	4.01571C8 01	5.561327C 01
1.020C002 C1	1.2798845 01	3.6844C35 01	4.9642879 01
1.04CCCC2 01	1.0812400 01	3.42CC5CC 01	4.5C12899 01
1.06CC0C2 01	9.2823443 00	3.204411C C1	4.1326455 01
1.080CCC2 C1	8.0767366 C0	3.0252926 01	3.8329662 01
1.10CCCC2 01	7.1C97348 00	2.8742124 C1	3.5851E59 01
1.12CCCC2 01	6.3231865 00	2.7450784 01	3.377397C 01
1.14CC002 01	5.6765528 00	2.6333988 C1	3.2010541 01
1.160C0C2 01	5.141C623 00	2.5357797 C1	3.C49886C 01
1.18CC002 01	4.6962425 C0	2.4495987 01	2.9192229 01
1.2CCCCC2 C1	4.3279236 00	2.3727754 C1	2.8C55717 01
1.22CCCC2 01	4.0273438 00	2.3C36294 C1	2.7C63638 01
1.24000C2 01	3.7914427 C0	2.2407117 01	2.619856C 01
1.26CC002 01	3.6251518 00	2.18272C9 01	2.5452361 01
1.28CC0C2 01	3.5486433 00	2.1283336 C1	2.4831979 01
1.3C0CCC2 01	3.6212411 00	2.0759265 C1	2.43805C6 C1
1.320C002 01	4.0478362 00	2.0228227 C1	2.4276C63 C1
1.33CCCC2 C1	4.65C1735 C0	1.9942EC4 C1	2.4592779 C1
1.34CC0C2 01	6.4C32020 00	1.9622628 01	2.602583C C1
1.35CC0C2 C1	1.4893698 01	1.9291467 C1	3.4185165 C1
1.355CCC2 01	2.6630357 G1	1.92156C4 C1	4.5845962 C1
1.36CCCC2 01	4.4418388 01	1.93C6238 C1	6.3724626 C1
1.364C0C2 01	5.9302159 01	1.950825C 01	7.881041C C1
1.367CCC2 01	6.743572C C1	1.9692371 C1	8.7128C91 01
1.37CCCC2 C1	7.0776201 01	1.9847821 01	9.C624023 C1
1.373CCC2 01	6.8671743 01	1.9924330 C1	8.8596073 C1
1.376C002 C1	6.2125377 C1	1.9893712 C1	8.2C19C89 C1
1.380C0C2 01	5.0623666 C1	1.9702C2C 01	7.0325686 C1
1.384CCC2 01	4.2243196 01	1.9443914 01	6.1687109 C1
1.386C002 01	4.1182904 01	1.9348605 C1	6.05315C9 C1
1.387C002 C1	4.1720769 C1	1.9322493 01	6.1C43262 01
1.388CCC2 C1	4.3C6219C G1	1.9316431 C1	6.2378622 C1
1.389CCC2 C1	4.5267196 C1	1.9334952 C1	6.46C2149 C1
1.390CCC2 01	4.8387164 01	1.9382721 01	6.7769885 C1
1.393CCC2 01	6.3577991 01	1.9747616 C1	8.3325607 C1
1.396CCC2 C1	8.7491946 01	2.C526677 01	1.C8C1863 C2
1.4CCCCC2 01	1.2948963 02	2.2271351 C1	1.5176098 C2

TABLE II (Continued) T = 0.05 ev

E_n(ev)	σ_γ(barns)	σ_s(barns)	σ_T(barns)
1.4040002 01	1.7220801 02	2.4574543 01	1.9678256 02
1.4070002 01	1.9482857 02	2.6274717 01	2.2110329 02
1.4090002 01	2.0193427 02	2.7199489 01	2.2913377 02
1.4100002 01	2.0267893 02	2.7563988 01	2.3024291 02
1.4110002 01	2.0149697 02	2.7851621 01	2.2934860 02
1.4130002 01	1.9355338 02	2.8175766 01	2.2172914 02
1.4160002 01	1.6986162 02	2.8028910 01	1.9789053 02
1.4200002 01	1.2601779 02	2.6884662 01	1.5290245 02
1.4250002 01	7.3089257 01	2.4806126 01	9.7895382 01
1.4300002 01	3.7577343 01	2.2968750 01	6.0546094 01
1.4400002 01	1.1300850 01	2.0999115 01	3.2299966 01
1.4500002 01	6.0187488 00	2.0226469 01	2.6245217 01
1.4600002 01	4.3084076 00	1.9795806 01	2.4104214 01
1.4800002 01	2.9645805 00	1.9250312 01	2.2214892 01
1.5000002 01	2.4043917 00	1.8871049 01	2.1275440 01
1.5200002 01	2.0985584 00	1.8567087 01	2.0665645 01
1.5400002 01	1.9047610 00	1.8306458 01	2.0211219 01
1.5600002 01	1.7706470 00	1.8074394 01	1.9845041 01
1.5800002 01	1.6734760 00	1.7862789 01	1.9536265 01
1.6000002 01	1.6027565 00	1.7666845 01	1.9269601 01
1.6200002 01	1.5542990 00	1.7482533 01	1.9036832 01
1.6400002 01	1.5285983 00	1.7306470 01	1.8835068 01
1.6600002 01	1.5318882 00	1.7135963 01	1.8667850 01
1.6800002 01	1.5813011 00	1.6967319 01	1.8548619 01
1.7000002 01	1.7228346 00	1.6794796 01	1.8517630 01
1.7200002 01	2.1070535 00	1.6607083 01	1.8714136 01
1.7300002 01	2.5571623 00	1.6500118 01	1.9057280 01
1.7400002 01	3.5890562 00	1.6378048 01	1.9967103 01
1.7500002 01	7.2975787 00	1.6267702 01	2.3565281 01
1.7600002 01	2.3867357 01	1.6485105 01	4.0352462 01
1.7650002 01	4.2534252 01	1.6992272 01	5.9526524 01
1.7700002 01	6.6866475 01	1.7857036 01	8.4723512 01
1.7740002 01	8.5116756 01	1.8685963 01	1.0380272 02
1.7770002 01	9.4339113 01	1.9255248 01	1.1359436 02
1.7800002 01	9.7540851 01	1.9672069 01	1.1721292 02
1.7830002 01	9.4028546 01	1.9866997 01	1.1389554 02
1.7860002 01	8.4585897 01	1.9819646 01	1.0440554 02
1.7900002 01	6.6257070 01	1.9441345 01	8.5698416 01
1.8000002 01	2.3641618 01	1.7997044 01	4.1638662 01
1.8100002 01	7.1961374 00	1.7137036 01	2.4333173 01
1.8200001 01	3.4498159 00	1.6789874 01	2.0239690 01
1.8300002 01	2.3910788 00	1.6608801 01	1.8999880 01
1.8400002 01	1.9177750 00	1.6483360 01	1.8401135 01
1.8600002 01	1.4839521 00	1.6299187 01	1.7783139 01
1.8800002 01	1.2882656 00	1.6155214 01	1.7443479 01
1.9000002 01	1.1804483 00	1.6030690 01	1.7211138 01
1.9200002 01	1.1140112 00	1.5917442 01	1.7031454 01
1.9400002 01	1.0706449 00	1.5811425 01	1.6882070 01
1.9600002 01	1.0421267 00	1.5710264 01	1.6752391 01
1.9800002 01	1.0246066 00	1.5612352 01	1.6636958 01
2.0000002 01	1.0165121 00	1.5516419 01	1.6532931 01
2.0200002 01	1.0177821 00	1.5421322 01	1.6439104 01
2.0400002 01	1.0297516 00	1.5325854 01	1.6355605 01
2.0600002 01	1.0555762 00	1.5228588 01	1.6284164 01
2.0800002 01	1.1014734 00	1.5127617 01	1.6229090 01
2.1000002 01	1.1798085 00	1.5020125 01	1.6199933 01
2.1200002 01	1.3173585 00	1.4901491 01	1.6218850 01
2.1400002 01	1.5816935 00	1.4763217 01	1.6344911 01
2.1600002 01	2.1960935 00	1.4587340 01	1.6783434 01
2.1700001 01	2.9045407 00	1.4474182 01	1.7378723 01
2.1800002 01	4.7031940 00	1.4345248 01	1.9048442 01
2.1900001 01	1.1753376 01	1.4333946 01	2.6087322 01
2.2000002 01	3.8380011 01	1.5174754 01	5.3554765 01

TABLE II (Continued) T = 0.05 ev

E_n(ev)	σ_γ(barns)	σ_s(barns)	σ_T(barns)
2.2100001 01	9.3501177 01	1.7924276 01	1.1142546 02
2.2140002 01	1.1434276 02	1.9306054 01	1.3364881 02
2.2170002 01	1.2452624 02	2.0197688 01	1.4472392 02
2.2200002 01	1.2802673 02	2.0823509 01	1.4885024 02
2.2230002 01	1.2422605 02	2.1098487 01	1.4532453 02
2.2260002 01	1.1382323 02	2.1001086 01	1.3482432 02
2.2300001 01	9.2894451 01	2.0376920 01	1.1327137 02
2.2400001 01	3.8265522 01	1.7861531 01	5.6127052 01
2.2500002 01	1.1998164 01	1.6161953 01	2.8160116 01
2.2600001 01	5.0597620 00	1.5461798 01	2.0521559 01
2.2700001 01	3.4007253 00	1.5136583 01	1.8537308 01
2.2800001 01	2.8989796 00	1.4921786 01	1.7820766 01
2.2900001 01	2.8269960 00	1.4743252 01	1.7570247 01
2.2950002 01	2.9192423 00	1.4657708 01	1.7576950 01
2.3000002 01	3.1202276 00	1.4570876 01	1.7691104 01
2.3100002 01	4.2096048 00	1.4385038 01	1.8594643 01
2.3200001 01	8.6462231 00	1.4211803 01	2.2858026 01
2.3300001 01	2.4485761 01	1.4320567 01	3.8806327 01
2.3350001 01	3.8964677 01	1.4656611 01	5.3621289 01
2.3400001 01	5.5621628 01	1.5217549 01	7.0839178 01
2.3440002 01	6.7226716 01	1.5758364 01	8.2985080 01
2.3470002 01	7.3009257 01	1.6149220 01	8.9158478 01
2.3500001 01	7.5280725 01	1.6471664 01	9.1752388 01
2.3530002 01	7.3767374 01	1.6685991 01	9.0453364 01
2.3560002 01	6.8897109 01	1.6774049 01	8.5671158 01
2.3600001 01	5.9048458 01	1.6715622 01	7.5764080 01
2.3700001 01	3.9170385 01	1.6474899 01	5.5645283 01
2.3800001 01	5.9787763 01	1.8534687 01	7.8322450 01
2.3900002 01	1.2392996 02	2.4579803 01	1.4850976 02
2.3940002 01	1.4819532 02	2.7235428 01	1.7543075 02
2.3970002 01	1.5991243 02	2.8776882 01	1.8868931 02
2.4000002 01	1.6380178 02	2.9678312 01	1.9348009 02
2.4030002 01	1.5915917 02	2.9814541 01	1.8897371 02
2.4060002 01	1.4673029 02	2.9190389 01	1.7592068 02
2.4100001 01	1.2156808 02	2.7411092 01	1.4897917 02
2.4200001 01	5.3317202 01	2.1487122 01	7.4804324 01
2.4300002 01	1.7480943 01	1.7764856 01	3.5245799 01
2.4400001 01	6.8350639 00	1.6362547 01	2.3197610 01
2.4500001 01	3.9545431 00	1.5822342 01	1.9776885 01
2.4600001 01	2.8429362 00	1.5533207 01	1.8376143 01
2.4800001 01	1.9017166 00	1.5192594 01	1.7094311 01
2.5000002 01	1.5163551 00	1.4974814 01	1.6491168 01
2.5200002 01	1.3557022 00	1.4806106 01	1.6161807 01
2.5300002 01	1.3398827 00	1.4729558 01	1.6069441 01
2.5400002 01	1.3912524 00	1.4653347 01	1.6044599 01
2.5500002 01	1.6444571 00	1.4572216 01	1.6216673 01
2.5600002 01	2.7665677 00	1.4482516 01	1.7249084 01
2.5700002 01	6.5297831 00	1.4410132 01	2.0939915 01
2.5800002 01	1.3331550 01	1.4437145 01	2.7768695 01
2.5840002 01	1.5736558 01	1.4485777 01	3.0222334 01
2.5870002 01	1.6890859 01	1.4530334 01	3.1421192 01
2.5900002 01	1.7287730 01	1.4575246 01	3.1862975 01
2.5930002 01	1.6866505 01	1.4614076 01	3.1480580 01
2.5960002 01	1.5695890 01	1.4641358 01	3.0337248 01
2.6000001 01	1.3290333 01	1.4654264 01	2.7944597 01
2.6100002 01	6.5748670 00	1.4580454 01	2.1155321 01
2.6200002 01	2.9110903 00	1.4449254 01	1.7360344 01
2.6300002 01	1.8851714 00	1.4334133 01	1.6219304 01
2.6400002 01	1.7885494 00	1.4233385 01	1.6021935 01
2.6500001 01	2.0485849 00	1.4129755 01	1.6178340 01
2.6600002 01	2.8975203 00	1.4010153 01	1.6907674 01
2.6700002 01	5.9258445 00	1.3883115 01	1.9808960 01
2.6800002 01	1.5386744 01	1.3855475 01	2.9242219 01

TABLE II (Continued) T = 0.05 ev

E_n(ev)	σ_γ(barns)	σ_s(barns)	σ_T(barns)
2.6850002 01	2.3869232 01	1.3953703 01	3.7822934 01
2.6900002 01	3.4590248 01	1.4167171 01	4.8757420 01
2.6940002 01	4.4099802 01	1.4429809 01	5.8529611 01
2.6970002 01	5.1354544 01	1.4679663 01	6.6034206 01
2.7000002 01	5.8429297 01	1.4971570 01	7.3400867 01
2.7030002 01	6.5085511 01	1.5300152 01	8.0385662 01
2.7060002 01	7.1062667 01	1.5656433 01	8.6719100 01
2.7100002 01	7.7390928 01	1.6148628 01	9.3539556 01
2.7140002 01	8.0899249 01	1.6611088 01	9.7510338 01
2.7170002 01	8.1033210 01	1.6897772 01	9.7930982 01
2.7200002 01	7.8675870 01	1.7101071 01	9.5776941 01
2.7230002 01	7.3796496 01	1.7199800 01	9.0996296 01
2.7260002 01	6.6701628 01	1.7185404 01	8.3887031 01
2.7300002 01	5.4889990 01	1.7003559 01	7.1893549 01
2.7400002 01	2.5241015 01	1.6106536 01	4.1347550 01
2.7500002 01	8.8760022 00	1.5317984 01	2.4193985 01
2.7600002 01	3.5637677 00	1.4904109 01	1.8467877 01
2.7800002 01	1.6032269 00	1.4570955 01	1.6174181 01
2.8000002 01	1.1747387 00	1.4405489 01	1.5580228 01
2.8200002 01	9.9240791-01	1.4289756 01	1.5282163 01
2.8400002 01	8.9946310-01	1.4197076 01	1.5096539 01
2.8600002 01	8.4982054-01	1.4117203 01	1.4967023 01
2.8800002 01	8.2596947-01	1.4045313 01	1.4871283 01
2.9000002 01	8.2106929-01	1.3979058 01	1.4800127 01
2.9200002 01	8.3390333-01	1.3917719 01	1.4751622 01
2.9400002 01	8.6833436-01	1.3862607 01	1.4730941 01
2.9600002 01	9.3701633-01	1.3819596 01	1.4756612 01
2.9800002 01	1.0783482 00	1.3810527 01	1.4888876 01
2.9900002 01	1.2145307 00	1.3843705 01	1.5058236 01
3.0000002 01	1.4729760 00	1.3958971 01	1.5431947 01
3.0100002 01	2.0990428 00	1.4347157 01	1.6446200 01
3.0200001 01	3.8100606 00	1.5592343 01	1.9402404 01
3.0300002 01	7.6575026 00	1.8603336 01	2.6260838 01
3.0400002 01	1.2973699 01	2.2953001 01	3.5926699 01
3.0440002 01	1.4653413 01	2.4381026 01	3.9034439 01
3.0470002 01	1.5445416 01	2.5083364 01	4.0528780 01
3.0500002 01	1.5734018 01	2.5378345 01	4.1112364 01
3.0530002 01	1.5489448 01	2.5233423 01	4.0722871 01
3.0560002 01	1.4746850 01	2.4669171 01	3.9416021 01
3.0600002 01	1.3148577 01	2.3389152 01	3.6537729 01
3.0700002 01	8.1298455 00	1.9158025 01	2.7287870 01
3.0800002 01	4.6954269 00	1.5975406 01	2.0670832 01
3.0900002 01	3.5886959 00	1.4478454 01	1.8067150 01
3.1000002 01	4.1726578 00	1.3890084 01	1.8062742 01
3.1100002 01	7.4930834 00	1.3770678 01	2.1263762 01
3.1150002 01	1.1782248 01	1.3974224 01	2.5756473 01
3.1200002 01	1.9613830 01	1.4531751 01	3.4145581 01
3.1300002 01	5.1699713 01	1.7455721 01	6.9155433 01
3.1400001 01	1.0002534 02	2.2714410 01	1.2273975 02
3.1440002 01	1.1571314 02	2.4722016 01	1.4043516 02
3.1470002 01	1.2305333 02	2.5855098 01	1.4890843 02
3.1500002 01	1.2552678 02	2.6525408 01	1.5205219 02
3.1530002 01	1.2281506 02	2.6663314 01	1.4947838 02
3.1560002 01	1.1527780 02	2.6269036 01	1.4154684 02
3.1600002 01	9.9440153 01	2.5041324 01	1.2448148 02
3.1700002 01	5.1260429 01	2.0411589 01	7.1672017 01
3.1800002 01	1.9409419 01	1.6823724 01	3.6233143 01
3.2000002 01	3.6883064 00	1.4549409 01	1.8237716 01
3.2200002 01	2.0074853 00	1.4058341 01	1.6065826 01
3.2400001 01	1.5743004 00	1.3805881 01	1.5380181 01
3.2600002 01	1.5481777 00	1.3617455 01	1.5165633 01
3.2700002 01	1.7792157 00	1.3528510 01	1.5307725 01
3.2800001 01	2.7093762 00	1.3440564 01	1.6149940 01

TABLE II (Continued) T = 0.05 ev

E_n(ev)	σ_γ(barns)	σ_s(barns)	σ_T(barns)
3.2900002 01	6.1008168 00	1.3385107 01	1.9485924 01
3.3000002 01	1.4844048 01	1.3466909 01	2.8310956 01
3.3050002 01	2.1199572 01	1.3595567 01	3.4795139 01
3.3100002 01	2.7621688 01	1.3775829 01	4.1397518 01
3.3140002 01	3.1704629 01	1.3934359 01	4.5638989 01
3.3170002 01	3.3605859 01	1.4044877 01	4.7650736 01
3.3200002 01	3.4244504 01	1.4135746 01	4.8380251 01
3.3230002 01	3.3541242 01	1.4197840 01	4.7739082 01
3.3260002 01	3.1585571 01	1.4225688 01	4.5811259 01
3.3300002 01	2.7457993 01	1.4208436 01	4.1666430 01
3.3400002 01	1.4702108 01	1.3973391 01	2.8675499 01
3.3500002 01	6.0099457 00	1.3689849 01	1.9699794 01
3.3600002 01	2.6002440 00	1.3500815 01	1.6101058 01
3.3700002 01	1.6204515 00	1.3388157 01	1.5008589 01
3.3800002 01	1.3272027 00	1.3309809 01	1.4637012 01
3.3900001 01	1.2084277 00	1.3245698 01	1.4454126 01
3.4000002 01	1.1501613 00	1.3188457 01	1.4338618 01
3.4200002 01	1.1128369 00	1.3083786 01	1.4196623 01
3.4400002 01	1.1311541 00	1.2984372 01	1.4115527 01
3.4600002 01	1.1869558 00	1.2885502 01	1.4072458 01
3.4800002 01	1.2785221 00	1.2784472 01	1.4062994 01
3.5000002 01	1.4127851 00	1.2679448 01	1.4092233 01
3.5200002 01	1.6055433 00	1.2569254 01	1.4174798 01
3.5300002 01	1.7323444 00	1.2512109 01	1.4244453 01
3.5400001 01	1.8865791 00	1.2453764 01	1.4340343 01
3.5600002 01	2.3131187 00	1.2335480 01	1.4648599 01
3.5800001 01	3.0057607 00	1.2224720 01	1.5230481 01
3.6000002 01	4.2650266 00	1.2159531 01	1.6424557 01
3.6100002 01	5.3568953 00	1.2184476 01	1.7541371 01
3.6200002 01	7.1763356 00	1.2331288 01	1.9507624 01
3.6300002 01	1.0972265 01	1.2896035 01	2.3868299 01
3.6400002 01	2.1368969 01	1.5099182 01	3.6468150 01
3.6500002 01	5.1013923 01	2.2538412 01	7.3552335 01
3.6600002 01	1.1581026 02	4.0276172 01	1.5608643 02
3.6700002 01	2.0351643 02	6.6126564 01	2.6964299 02
3.6740002 01	2.3302240 02	7.5614845 01	3.0863725 02
3.6770002 01	2.4947782 02	8.1437050 01	3.3091487 02
3.6800002 01	2.6024604 02	8.5935665 01	3.4618170 02
3.6830002 01	2.6561107 02	8.9221397 01	3.5483247 02
3.6860002 01	2.6685632 02	9.1708683 01	3.5856500 02
3.6900001 01	2.6583171 02	9.4966450 01	3.6079816 02
3.7000002 01	2.8485693 02	1.1381416 02	3.9867109 02
3.7100002 01	3.5361670 02	1.5171604 02	5.0533275 02
3.7140002 01	3.7852040 02	1.6525656 02	5.4377696 02
3.7170002 01	3.8885118 02	1.7180177 02	5.6065295 02
3.7200002 01	3.8923058 02	1.7408014 02	5.6331071 02
3.7210002 01	3.8690462 02	1.7378517 02	5.6068980 02
3.7230002 01	3.7850642 02	1.7157395 02	5.5008037 02
3.7260002 01	3.5698031 02	1.6435382 02	5.2133413 02
3.7300002 01	3.1445206 02	1.4853800 02	4.6299005 02
3.7400002 01	1.8088326 02	9.5148598 01	2.7603186 02
3.7500002 01	7.9332970 01	5.2362889 01	1.3169586 02
3.7600002 01	3.1886840 01	3.1291497 01	6.3178338 01
3.7700002 01	1.5156305 01	2.3233774 01	3.8390078 01
3.7800002 01	9.2825547 00	2.0039560 01	2.9322114 01
3.7900000 01	6.6568405 00	1.8419712 01	2.5076551 01
3.8000002 01	5.1706657 00	1.7404090 01	2.2574755 01
3.8200002 01	3.5583781 00	1.6153993 01	1.9712371 01
3.8400002 01	2.7407017 00	1.5390454 01	1.8131155 01
3.8600002 01	2.2864604 00	1.4859138 01	1.7145598 01
3.8800002 01	2.0361361 00	1.4454851 01	1.6490987 01
3.9000002 01	1.9249056 00	1.4125325 01	1.6050231 01
3.9200002 01	1.9344830 00	1.3841504 01	1.5775987 01

TABLE II (Continued) T = 0.05 ev

E_n(ev)	σ_γ(barns)	σ_s(barns)	σ_T(barns)
3.9400001 01	2.0848153 00	1.3586946 01	1.5671761 01
3.9600002 01	2.4571605 00	1.3356803 01	1.5813964 01
3.9800001 01	3.3014253 00	1.3174644 01	1.6476069 01
4.0000001 01	5.7205440 00	1.3252367 01	1.8972911 01
4.0100002 01	9.5334717 00	1.3921673 01	2.3455145 01
4.0200001 01	2.0693011 01	1.6735293 01	3.7428305 01
4.0300002 01	5.1255910 01	2.5752829 01	7.7008739 01
4.0400002 01	1.1286556 02	4.5558073 01	1.5842364 02
4.0500002 01	1.8870254 02	7.1901855 01	2.6060439 02
4.0540002 01	2.1112515 02	8.0469927 01	2.9159508 02
4.0570002 01	2.2135656 02	8.4899162 01	3.0625572 02
4.0600002 01	2.2477401 02	8.7160259 01	3.1193427 02
4.0630001 01	2.2103832 02	8.7065559 01	3.0810388 02
4.0660002 01	2.1053375 02	8.4665873 01	2.9519962 02
4.0700002 01	1.8787566 02	7.8388437 01	2.6626410 02
4.0800002 01	1.1215960 02	5.4834257 01	1.6699385 02
4.0900001 01	5.1043167 01	3.4246169 01	8.5289336 01
4.1000002 01	2.0699610 01	2.3219530 01	4.3919140 01
4.1100002 01	9.5593721 00	1.8685741 01	2.8245113 01
4.1200002 01	5.7466910 00	1.6828530 01	2.2575221 01
4.1300001 01	4.1849948 00	1.5881964 01	2.0066958 01
4.1400002 01	3.3799535 00	1.5277907 01	1.8657861 01
4.1500002 01	2.9127265 00	1.4836656 01	1.7749382 01
4.1700001 01	2.4959171 00	1.4191031 01	1.6686948 01
4.1900002 01	2.5347756 00	1.3684331 01	1.6219107 01
4.2000002 01	2.7441568 00	1.3448073 01	1.6192230 01
4.2100002 01	3.1726377 00	1.3213932 01	1.6386570 01
4.2200002 01	4.0870849 00	1.2996653 01	1.7083738 01
4.2300002 01	6.4908799 00	1.2925712 01	1.9416592 01
4.2400001 01	1.3781903 01	1.3588785 01	2.7370688 01
4.2450002 01	2.1521040 01	1.4651108 01	3.6172149 01
4.2500002 01	3.3581334 01	1.6575036 01	5.0156369 01
4.2600002 01	7.2560176 01	2.3828014 01	9.6388189 01
4.2700002 01	1.1954937 02	3.4174124 01	1.5372349 02
4.2740002 01	1.3331638 02	3.7832041 01	1.7114842 02
4.2770002 01	1.3959835 02	3.9915930 01	1.7951428 02
4.2800001 01	1.4172590 02	4.1242077 01	1.8296798 02
4.2830002 01	1.3950000 02	4.1710914 01	1.8121092 02
4.2860002 01	1.3314880 02	4.1307100 01	1.7445591 02
4.2900002 01	1.1937675 02	3.9541126 01	1.5891788 02
4.3000002 01	7.2954557 01	3.1468474 01	1.0442303 02
4.3100002 01	3.5519886 01	2.3528023 01	5.9047909 01
4.3200002 01	1.9730674 01	1.8975050 01	3.8705724 01
4.3300002 01	2.3133483 01	1.7473317 01	4.0606801 01
4.3400002 01	4.1799098 01	1.8051228 01	5.9850326 01
4.3500002 01	6.6198837 01	1.9710365 01	8.5909201 01
4.3540002 01	7.3372367 01	2.0325470 01	9.3697837 01
4.3570002 01	7.6597977 01	2.0660660 01	9.7258637 01
4.3590001 01	7.7525297 01	2.0802349 01	9.8327646 01
4.3600002 01	7.7601248 01	2.0845584 01	9.8446832 01
4.3610002 01	7.7416068 01	2.0869546 01	9.8285614 01
4.3630001 01	7.6270933 01	2.0858286 01	9.7129219 01
4.3660002 01	7.2724685 01	2.0694616 01	9.3419301 01
4.3700002 01	6.5138559 01	2.0227921 01	8.5366481 01
4.3800002 01	3.9609503 01	1.8328237 01	5.7937739 01
4.3900001 01	1.8524083 01	1.6487637 01	3.5011720 01
4.4000002 01	7.8090580 00	1.5356794 01	2.3165852 01
4.4100002 01	3.9008636 00	1.4785430 01	1.8686293 01
4.4200002 01	2.7119258 00	1.4471889 01	1.7183815 01
4.4300002 01	2.5167064 00	1.4253086 01	1.6769793 01
4.4400002 01	3.0684242 00	1.4076831 01	1.7145256 01
4.4500002 01	4.4747144 00	1.3947271 01	1.8421986 01
4.4550002 01	5.3833348 00	1.3907895 01	1.9291229 01

TABLE II (Continued) T = 0.05 ev

E_n(ev)	σ_γ(barns)	σ_s(barns)	σ_T(barns)
4.4600002 01	6.2396612 00	1.3887340 01	2.0127000 01
4.4640002 01	6.7606621 00	1.3882417 01	2.0643080 01
4.4670002 01	6.9993683 00	1.3883198 01	2.0862567 01
4.4700002 01	7.0816057 00	1.3885630 01	2.0967236 01
4.4730002 01	6.9998756 00	1.3887572 01	2.0887447 01
4.4760002 01	6.7629421 00	1.3887009 01	2.0649951 01
4.4800002 01	6.2481285 00	1.3879601 01	2.0127729 01
4.4900001 01	4.5262477 00	1.3818603 01	1.8344851 01
4.5000002 01	3.2162199 00	1.3713204 01	1.6929424 01
4.5100002 01	2.9132244 00	1.3607335 01	1.6520559 01
4.5200002 01	3.9782681 00	1.3561307 01	1.7539575 01
4.5300001 01	8.0914763 00	1.3729427 01	2.1820903 01
4.5400002 01	1.9205559 01	1.4461942 01	3.3667501 01
4.5500002 01	4.0309436 01	1.6095579 01	5.6405015 01
4.5600002 01	6.4954272 01	1.8230191 01	8.3184462 01
4.5640002 01	7.2061402 01	1.8924535 01	9.0985938 01
4.5670002 01	7.5288859 01	1.9289608 01	9.4578466 01
4.5700002 01	7.6376408 01	1.9485986 01	9.5862394 01
4.5710002 01	7.6240615 01	1.9510745 01	9.5751360 01
4.5730002 01	7.5226536 01	1.9497870 01	9.4724405 01
4.5760002 01	7.1949708 01	1.9326603 01	9.1276311 01
4.5800002 01	6.4814453 01	1.8846558 01	8.3661012 01
4.5900002 01	4.0321847 01	1.6929530 01	5.7251377 01
4.6000002 01	1.9534690 01	1.5107550 01	3.4642239 01
4.6100002 01	8.7406290 00	1.4026405 01	2.2767033 01
4.6200002 01	5.0892578 00	1.3535263 01	1.8624521 01
4.6250002 01	4.7668250 00	1.3418988 01	1.8185813 01
4.6300002 01	5.2164623 00	1.3367966 01	1.8584428 01
4.6400001 01	9.2529664 00	1.3528852 01	2.2781818 01
4.6500002 01	2.0742697 01	1.4347713 01	3.5090410 01
4.6600002 01	4.2362914 01	1.6158314 01	5.8521229 01
4.6700002 01	6.7300107 01	1.8496776 01	8.5796883 01
4.6740002 01	7.4438506 01	1.9254686 01	9.3693193 01
4.6770002 01	7.7666452 01	1.9654106 01	9.7320559 01
4.6800001 01	7.8739345 01	1.9871115 01	9.8610460 01
4.6810002 01	7.8595414 01	1.9899472 01	9.8494886 01
4.6830002 01	7.7560858 01	1.9888816 01	9.7449673 01
4.6860002 01	7.4239422 01	1.9708465 01	9.3947888 01
4.6900002 01	6.7010984 01	1.9194819 01	8.6205804 01
4.7000002 01	4.2046756 01	1.7119850 01	5.9166605 01
4.7100002 01	2.0499067 01	1.5121301 01	3.5620369 01
4.7200001 01	8.9264259 00	1.3920243 01	2.2846669 01
4.7300002 01	4.4918155 00	1.3364274 01	1.7856090 01
4.7400002 01	3.1081906 00	1.3111905 01	1.6220096 01
4.7500002 01	2.7305536 00	1.2969477 01	1.5700031 01
4.7600002 01	2.7852845 00	1.2866665 01	1.5651949 01
4.7700002 01	3.3778366 00	1.2784645 01	1.6162482 01
4.7800002 01	5.0016080 00	1.2734480 01	1.7736088 01
4.7900001 01	7.9924442 00	1.2758062 01	2.0750506 01
4.8000002 01	1.1452531 01	1.2897692 01	2.4350223 01
4.8040002 01	1.2484178 01	1.2984220 01	2.5468398 01
4.8070002 01	1.2990806 01	1.3056592 01	2.6047398 01
4.8100002 01	1.3226721 01	1.3132491 01	2.6359211 01
4.8130002 01	1.3180376 01	1.3209358 01	2.6389735 01
4.8160002 01	1.2866421 01	1.3285095 01	2.6151517 01
4.8200002 01	1.2101312 01	1.3382163 01	2.5483475 01
4.8300001 01	9.3854007 00	1.3612206 01	2.2997606 01
4.8400002 01	7.2924853 00	1.3898717 01	2.1191203 01
4.8500002 01	6.8102661 00	1.4390060 01	2.1200327 01
4.8600002 01	7.8166584 00	1.5298320 01	2.3114978 01
4.8800002 01	1.5527355 01	2.1060706 01	3.6588060 01
4.9000002 01	5.8276065 01	5.8977586 01	1.1725365 02
4.9100002 01	1.2404424 02	1.2119371 02	2.4523795 02

TABLE II (Continued) T = 0.05 ev

E_n(ev)	σ_γ(barns)	σ_s(barns)	σ_T(barns)
4.9200002 01	2.3115933 02	2.2601023 02	4.5716956 02
4.9300002 01	3.4451817 02	3.4141273 02	6.8593090 02
4.9340002 01	3.7578496 02	3.7511242 02	7.5089737 02
4.9370002 01	3.8978479 02	3.9147069 02	7.8125549 02
4.9400001 01	3.9441439 02	3.9880167 02	7.9321606 02
4.9430002 01	3.8931145 02	3.9660609 02	7.8591755 02
4.9460002 01	3.7488900 02	3.8514384 02	7.6003283 02
4.9500002 01	3.4320955 02	3.5723124 02	7.0044080 02
4.9500002 01	2.2975696 02	2.5064711 02	4.8040408 02
4.9700002 01	1.2330207 02	1.4646851 02	2.6977057 02
4.9800002 01	5.8007054 01	8.0445275 01	1.3845233 02
5.0000001 01	1.5314945 01	3.4722978 01	5.0037922 01
5.0200002 01	7.3170251 00	2.4840855 01	3.2157880 01
5.0400000 01	4.6758906 00	2.1035327 01	2.5711217 01
5.0600002 01	3.6807519 00	1.8952740 01	2.2633493 01
5.0700002 01	3.9497941 00	1.8217728 01	2.2167522 01
5.0800002 01	5.2975677 00	1.7626289 01	2.2923857 01
5.1000002 01	1.0988803 01	1.6890803 01	2.7879606 01
5.1040002 01	1.1830723 01	1.6807260 01	2.8637983 01
5.1070001 01	1.2199245 01	1.6751470 01	2.8950715 01
5.1100002 01	1.2304809 01	1.6698071 01	2.9002881 01
5.1130002 01	1.2138176 01	1.6644005 01	2.8782181 01
5.1160002 01	1.1714673 01	1.6586598 01	2.8301270 01
5.1200002 01	1.0819766 01	1.6501522 01	2.7321288 01
5.1250002 01	9.3731593 00	1.6378626 01	2.5751786 01
5.1300002 01	7.8675740 00	1.6238965 01	2.4106539 01
5.1350002 01	6.6018255 00	1.6089292 01	2.2691118 01
5.1400002 01	5.7771719 00	1.5939108 01	2.1715280 01
5.1450002 01	5.4645079 00	1.5797957 01	2.1262464 01
5.1500002 01	5.6072345 00	1.5673340 01	2.1280574 01
5.1500002 01	6.5740924 00	1.5486167 01	2.2060259 01
5.1540002 01	6.9083295 00	1.5432065 01	2.2340395 01
5.1670002 01	7.0477327 00	1.5396513 01	2.2444345 01
5.1700002 01	7.0633039 00	1.5363667 01	2.2426970 01
5.1730002 01	6.9443375 00	1.5331472 01	2.2275810 01
5.1760002 01	6.6945208 00	1.5298414 01	2.1992935 01
5.1800002 01	6.1885473 00	1.5250727 01	2.1439275 01
5.1850002 01	5.3771350 00	1.5182665 01	2.0559800 01
5.1900001 01	4.5223175 00	1.5104474 01	1.9625791 01
5.2000002 01	3.2848100 00	1.4927564 01	1.8212374 01
5.2050002 01	3.0967609 00	1.4837437 01	1.7934198 01
5.2100002 01	3.2418290 00	1.4752520 01	1.7994348 01
5.2150002 01	3.6935661 00	1.4677187 01	1.8370752 01
5.2200002 01	4.3759862 00	1.4614933 01	1.8990919 01
5.2250002 01	5.1641065 00	1.4567672 01	1.9731779 01
5.2300001 01	5.8971863 00	1.4534921 01	2.0432108 01
5.2340001 01	6.3322147 00	1.4517019 01	2.0849234 01
5.2370002 01	6.5234974 00	1.4505521 01	2.1030118 01
5.2400002 01	6.5778764 00	1.4497218 01	2.1075094 01
5.2430002 01	6.4888363 00	1.4487315 01	2.0975121 01
5.2460002 01	6.2620920 00	1.4475531 01	2.0737523 01
5.2500002 01	5.7767448 00	1.4454988 01	2.0231733 01
5.2550002 01	4.9689039 00	1.4419425 01	1.9388329 01
5.2600002 01	4.0771546 00	1.4372560 01	1.8449714 01
5.2700001 01	2.5339535 00	1.4254425 01	1.6788379 01
5.2800002 01	1.6482228 00	1.4125524 01	1.5773747 01
5.2900002 01	1.3149406 00	1.4001468 01	1.5316409 01
5.3000002 01	1.3320122 00	1.3883517 01	1.5215529 01
5.3100002 01	1.7229952 00	1.3769458 01	1.5492453 01
5.3200002 01	2.7295921 00	1.3665718 01	1.6395311 01
5.3300002 01	4.4540903 00	1.3592193 01	1.8046283 01
5.3400001 01	6.3161564 00	1.3566348 01	1.9882504 01
5.3440002 01	6.8353080 00	1.3567385 01	2.0402693 01

TABLE II (Continued) T = 0.05 ev

E_n(ev)	σ_γ(barns)	σ_s(barns)	σ_T(barns)
5.3470002 01	7.0702589 00	1.3570112 01	2.0640371 01
5.3500002 01	7.1516260 00	1.3572867 01	2.0724493 01
5.3530002 01	7.0732854 00	1.3574116 01	2.0647401 01
5.3560002 01	6.8421209 00	1.3572452 01	2.0414573 01
5.3600002 01	6.3303664 00	1.3563800 01	1.9894167 01
5.3700002 01	4.5009821 00	1.3503680 01	1.8004662 01
5.3800001 01	2.8200434 00	1.3399687 01	1.6219730 01
5.3900002 01	1.8503225 00	1.3280386 01	1.5130708 01
5.4000002 01	1.4728930 00	1.3164299 01	1.4637192 01
5.4200001 01	1.4364213 00	1.2947233 01	1.4383655 01
5.4400002 01	1.6895039 00	1.2728360 01	1.4417944 01
5.4600002 01	2.2153441 00	1.2491762 01	1.4707107 01
5.4800002 01	3.5552669 00	1.2250087 01	1.5805354 01
5.5000001 01	1.0142675 01	1.2472471 01	2.2615146 01
5.5010002 01	1.0896063 01	1.2540330 01	2.3436393 01
5.5100002 01	2.1544517 01	1.3867300 01	3.5411817 01
5.5200002 01	4.5504153 01	1.8252235 01	6.3756388 01
5.5300001 01	8.6448367 01	2.8260973 01	1.1470934 02
5.5340001 01	1.0704965 02	3.4167678 01	1.4121733 02
5.5370002 01	1.2335528 02	3.9210225 01	1.6256551 02
5.5400002 01	1.3975902 02	4.4617640 01	1.8437667 02
5.5430001 01	1.5555063 02	5.0179697 01	2.0573633 02
5.5460002 01	1.6995708 02	5.5633638 01	2.2559073 02
5.5500002 01	1.8558257 02	6.2225832 01	2.4780840 02
5.5540002 01	1.9552388 02	6.7397464 01	2.6292135 02
5.5570002 01	1.9845742 02	6.9979925 01	2.6843735 02
5.5600002 01	1.9719740 02	7.1255749 01	2.6845316 02
5.5610002 01	1.9583969 02	7.1374582 01	2.6721427 02
5.5630002 01	1.9176097 02	7.1149254 01	2.6291023 02
5.5660002 01	1.8245471 02	6.9687321 01	2.5214203 02
5.5700002 01	1.6503531 02	6.5858911 01	2.3089423 02
5.5800002 01	1.0866282 02	5.0460399 01	1.5912322 02
5.5900002 01	5.7595024 01	3.4613599 01	9.2208623 01
5.6000001 01	2.6332788 01	2.4039782 01	5.0372569 01
5.6100002 01	1.2032140 01	1.8686010 01	3.0718150 01
5.6200002 01	6.6405293 00	1.6290786 01	2.2931315 01
5.6300002 01	4.7496963 00	1.5133618 01	1.9883314 01
5.6400001 01	4.1457796 00	1.4437036 01	1.8582815 01
5.6500002 01	4.2609259 00	1.3939270 01	1.8200195 01
5.6600002 01	5.4278121 00	1.3628489 01	1.9056302 01
5.6700002 01	9.3052455 00	1.3805443 01	2.3110688 01
5.6800002 01	1.9931996 01	1.5385198 01	3.5317193 01
5.6900002 01	4.2968532 01	1.9910457 01	6.2878989 01
5.7000002 01	7.9357633 01	2.8227374 01	1.0758501 02
5.7100002 01	1.1666760 02	3.8122639 01	1.5479023 02
5.7140002 01	1.2678664 02	4.1360757 01	1.6814739 02
5.7170002 01	1.3129373 02	4.3176201 01	1.7446994 02
5.7200002 01	1.3277533 02	4.4337090 01	1.7711241 02
5.7230002 01	1.3112192 02	4.4777073 01	1.7589899 02
5.7260002 01	1.2645701 02	4.4483514 01	1.7094052 02
5.7300002 01	1.1616891 02	4.3029973 01	1.5919888 02
5.7400001 01	7.8700847 01	3.5743662 01	1.1444453 02
5.7500002 01	4.2373978 01	2.7379439 01	6.9753417 01
5.7600002 01	1.9329265 01	2.1373849 01	4.0703114 01
5.7700002 01	8.5354075 00	1.8114551 01	2.6649958 01
5.7800001 01	4.3785183 00	1.6555790 01	2.0934108 01
5.7900002 01	2.8284983 00	1.5770154 01	1.8598652 01
5.8000001 01	2.1496039 00	1.5299507 01	1.7449111 01
5.8200002 01	1.5354874 00	1.4713994 01	1.6249481 01
5.8400002 01	1.2468790 00	1.4330119 01	1.5576998 01
5.8600001 01	1.0879086 00	1.4041564 01	1.5129472 01
5.8800000 01	9.9778671-01	1.3805992 01	1.4803778 01
5.9000000 01	9.5338674-01	1.3601465 01	1.4554852 01

TABLE II (Continued) T = 0.05 ev

E_n(ev)	σ_γ(barns)	σ_s(barns)	σ_T(barns)
5.9200001 01	9.4967553-01	1.3414018 01	1.4363693 01
5.9400001 01	1.0017449 00	1.3231883 01	1.4233628 01
5.9600001 01	1.2116320 00	1.3040737 01	1.4252369 01
5.9700001 01	1.5759127 00	1.2938828 01	1.4514740 01
5.9800001 01	2.6119355 00	1.2846395 01	1.5458330 01
5.9900002 01	5.3275489 00	1.2814759 01	1.8142308 01
6.0000001 01	1.1039848 01	1.2947733 01	2.3987581 01
6.0100000 01	1.9845101 01	1.3340498 01	3.3183600 01
6.0200002 01	2.8715292 01	1.3929561 01	4.2644853 01
6.0240002 01	3.1105862 01	1.4160616 01	4.5266479 01
6.0270002 01	3.2172002 01	1.4310655 01	4.6482657 01
6.0300000 01	3.2528227 01	1.4430747 01	4.6958973 01
6.0330002 01	3.2149917 01	1.4513984 01	4.6663902 01
6.0360001 01	3.1065105 01	1.4556040 01	4.5621146 01
6.0400000 01	2.8659913 01	1.4546342 01	4.3206255 01
6.0500001 01	1.9820734 01	1.4245861 01	3.4066596 01
6.0600000 01	1.1142414 01	1.3757536 01	2.4899950 01
6.0700002 01	5.6609887 00	1.3315770 01	1.8976759 01
6.0800000 01	3.4354172 00	1.3006476 01	1.6441893 01
6.0900002 01	3.3854660 00	1.2812089 01	1.6197575 01
6.1000001 01	4.5279099 00	1.2702023 01	1.7229933 01
6.1100002 01	5.9001458 00	1.2657323 01	1.8557469 01
6.1140002 01	6.2761201 00	1.2652117 01	1.8928237 01
6.1170002 01	6.4397888 00	1.2650640 01	1.9090429 01
6.1200002 01	6.4863206 00	1.2649846 01	1.9136166 01
6.1230002 01	6.4109039 00	1.2648483 01	1.9059387 01
6.1260002 01	6.2177721 00	1.2645417 01	1.8863189 01
6.1300002 01	5.8001216 00	1.2637107 01	1.8437228 01
6.1400002 01	4.2838446 00	1.2588990 01	1.6872835 01
6.1500002 01	2.7957203 00	1.2507424 01	1.5303144 01
6.1600002 01	1.8376767 00	1.2413277 01	1.4250954 01
6.1800002 01	1.2424638 00	1.2241950 01	1.3484414 01
6.2000001 01	1.2375382 00	1.2099243 01	1.3336780 01
6.2200002 01	1.3494549 00	1.1970758 01	1.3320212 01
6.2400002 01	1.5960164 00	1.1850516 01	1.3448532 01
6.2500002 01	1.9019696 00	1.1793416 01	1.3695386 01
6.2600002 01	2.5472684 00	1.1743218 01	1.4290426 01
6.2700002 01	3.7688113 00	1.1713929 01	1.5482740 01
6.2800002 01	5.5659621 00	1.1728562 01	1.7294524 01
6.2900000 01	7.3854454 00	1.1804176 01	1.9189620 01
6.2940002 01	7.9116718 00	1.1850639 01	1.9762311 01
6.2970002 01	8.1801217 00	1.1890180 01	2.0070302 01
6.3000001 01	8.3257211 00	1.1932816 01	2.0258537 01
6.3030002 01	8.3446647 00	1.1977753 01	2.0322418 01
6.3060002 01	8.2424288 00	1.2024359 01	2.0266788 01
6.3100002 01	7.9432151 00	1.2088555 01	2.0031769 01
6.3200002 01	6.7390386 00	1.2264331 01	1.9003369 01
6.3300002 01	5.6651319 00	1.2500300 01	1.8165432 01
6.3400002 01	5.3432462 00	1.2884191 01	1.8227438 01
6.3500002 01	5.9110599 00	1.3562072 01	1.9473131 01
6.3600002 01	7.4352840 00	1.4835664 01	2.2270948 01
6.3800002 01	1.6947205 01	2.3772552 01	4.0719756 01
6.4000001 01	6.2300471 01	7.3220092 01	1.3552057 02
6.4100001 01	1.1726991 02	1.3642003 02	2.5368993 02
6.4200002 01	1.9259767 02	2.2583183 02	4.1842950 02
6.4300000 01	2.6299981 02	3.1302123 02	5.7602104 02
6.4340000 01	2.8133118 02	3.3726990 02	6.1860107 02
6.4370002 01	2.8941805 02	3.4902446 02	6.3844252 02
6.4400001 01	2.9207997 02	3.5449835 02	6.4657832 02
6.4410001 01	2.9172416 02	3.5486673 02	6.4659090 02
6.4430000 01	2.8915575 02	3.5340740 02	6.4256315 02
6.4460002 01	2.8082987 02	3.4587354 02	6.2670340 02
6.4500002 01	2.6224783 02	3.2674216 02	5.8899000 02

TABLE II (Continued) T = 0.05 ev

E_n(ev)	σ_γ(barns)	σ_s(barns)	σ_T(barns)
6.4600002 01	1.9168975 02	2.4828522 02	4.3997497 02
6.4700002 01	1.1670838 02	1.6108165 02	2.7779002 02
6.4800001 01	6.2125826 01	9.5564882 01	1.5769071 02
6.5000001 01	1.7000778 01	3.8663494 01	5.5664272 01
6.5200001 01	7.4230719 00	2.4979847 01	3.2402920 01
6.5400002 01	4.6626330 00	2.0278423 01	2.4941056 01
6.5600001 01	3.4480125 00	1.7807182 01	2.1255194 01
6.5800000 01	2.8264931 00	1.6216808 01	1.9043301 01
6.5900001 01	2.6413653 00	1.5600109 01	1.8241474 01
6.6000001 01	2.5167653 00	1.5060508 01	1.7577273 01
6.6100002 01	2.4440109 00	1.4577979 01	1.7021990 01
6.6200002 01	2.4191862 00	1.4137830 01	1.6557015 01
6.6400002 01	2.5190874 00	1.3343122 01	1.5862209 01
6.6600001 01	2.8842592 00	1.2619723 01	1.5503982 01
6.6800000 01	3.7756112 00	1.1976556 01	1.5752167 01
6.7000002 01	6.5197482 00	1.1902317 01	1.8422065 01
6.7100002 01	1.0674985 01	1.3180150 01	2.3855135 01
6.7200002 01	2.0659370 01	1.7765696 01	3.8425065 01
6.7300000 01	4.2617995 01	2.9838082 01	7.2456076 01
6.7400001 01	8.2393959 01	5.4092129 01	1.3648609 02
6.7500001 01	1.3712462 02	9.0304863 01	2.2742948 02
6.7600000 01	1.8826837 02	1.2773348 02	3.1600185 02
6.7640000 01	2.0157729 02	1.3899204 02	3.4056933 02
6.7670002 01	2.0744864 02	1.4499426 02	3.5244289 02
6.7700002 01	2.0938269 02	1.4854143 02	3.5792412 02
6.7710002 01	2.0912534 02	1.4914482 02	3.5827015 02
6.7730002 01	2.0726382 02	1.4946560 02	3.5672941 02
6.7760002 01	2.0122392 02	1.4775888 02	3.4898279 02
6.7799999 01	1.8773727 02	1.4167612 02	3.2941339 02
6.7900002 01	1.3647304 02	1.1284059 02	2.4931363 02
6.8000001 01	8.1968134 01	7.8396056 01	1.6036419 02
6.8100001 01	4.2438806 01	5.1377628 01	9.3816434 01
6.8200002 01	2.0583463 01	3.5141016 01	5.5724480 01
6.8300000 01	1.0598690 01	2.6836136 01	3.7434826 01
6.8400002 01	6.41 7102 00	2.2742325 01	2.9158036 01
6.8599999 01	3.6297356 00	1.9136160 01	2.2765895 01
6.8800001 01	2.7058383 00	1.7375161 01	2.0080999 01
6.9000002 01	2.3117575 00	1.6226508 01	1.8538265 01
6.9200001 01	2.2180810 00	1.5362275 01	1.7580356 01
6.9400001 01	2.6033351 00	1.4651972 01	1.7255307 01
6.9600001 01	5.7066783 00	1.4251145 01	1.9957823 01
6.9700001 01	1.0938976 01	1.4514880 01	2.5453856 01
6.9800000 01	2.0665754 01	1.5457876 01	3.6123630 01
6.9900001 01	3.4226913 01	1.7156879 01	5.1383792 01
7.0000002 01	4.6986326 01	1.9116142 01	6.6102469 01
7.0040002 01	5.0318408 01	1.9756255 01	7.0074663 01
7.0070002 01	5.1792204 01	2.0121048 01	7.1913252 01
7.0100002 01	5.2282576 01	2.0363194 01	7.2645770 01
7.0130000 01	5.1759915 01	2.0469097 01	7.2229013 01
7.0160002 01	5.0257931 01	2.0433648 01	7.0691579 01
7.0200002 01	4.6899347 01	2.0174072 01	6.7073419 01
7.0250002 01	4.1038049 01	1.9555801 01	6.0593850 01
7.0300001 01	3.4151815 01	1.8706471 01	5.2858286 01
7.0400001 01	2.0684233 01	1.6783023 01	3.7467257 01
7.0500002 01	1.1054070 01	1.5146660 01	2.6200730 01
7.0600000 01	5.8825653 00	1.4045855 01	1.9928420 01
7.0800000 01	2.8456545 00	1.2921846 01	1.5767500 01
7.1000002 01	2.5262746 00	1.2281028 01	1.4807302 01
7.1200002 01	2.6880937 00	1.1715503 01	1.4403596 01
7.1400001 01	3.1687336 00	1.1127171 01	1.4295905 01
7.1600002 01	4.5486764 00	1.0516832 01	1.5065509 01
7.1700002 01	6.6274429 00	1.0367753 01	1.6995196 01
7.1800000 01	1.1628703 01	1.0760842 01	2.2389545 01

TABLE II (Continued) T = 0.05 ev

E_n(ev)	σ_γ(barns)	σ_s(barns)	σ_T(barns)
7.1900002 01	2.2517737 01	1.2494298 01	3.5012035 01
7.2000002 01	4.1918342 01	1.6524462 01	5.8442803 01
7.2100001 01	6.8193375 01	2.2995839 01	9.1189214 01
7.2200001 01	9.2540461 01	3.0167570 01	1.2270803 02
7.2240001 01	9.8913617 01	3.2516564 01	1.3143018 02
7.2270000 01	1.0178359 02	3.3885054 01	1.3566864 02
7.2300000 01	1.0283012 02	3.4840657 01	1.3767077 02
7.2330002 01	1.0200180 02	3.5340535 01	1.3734233 02
7.2360002 01	9.9358755 01	3.5369095 01	1.3472785 02
7.2400002 01	9.3313679 01	3.4700010 01	1.2801369 02
7.2500002 01	6.9977721 01	3.0285946 01	1.0026367 02
7.2600002 01	4.4995536 01	2.4312352 01	6.9307888 01
7.2700002 01	2.7114502 01	1.9312588 01	4.6427089 01
7.2800000 01	1.8026377 01	1.6264937 01	3.4291314 01
7.2900001 01	1.5348774 01	1.4974975 01	3.0323748 01
7.3000002 01	1.6598230 01	1.5081195 01	3.1679425 01
7.3100000 01	2.1084034 01	1.6838777 01	3.7922812 01
7.3200002 01	3.0816767 01	2.2046334 01	5.2863101 01
7.3300000 01	5.2561229 01	3.6110818 01	8.8672047 01
7.3400002 01	1.0130127 02	7.1380977 01	1.7268225 02
7.3500002 01	2.0025167 02	1.4797466 02	3.4822633 02
7.3600001 01	3.6709291 02	2.8328041 02	6.5037331 02
7.3700002 01	5.8418016 02	4.6688124 02	1.0510614 03
7.3800000 01	7.7952113 02	6.4186470 02	1.4213858 03
7.3840000 01	8.2949613 02	6.9083462 02	1.5203307 03
7.3870002 01	8.5143764 02	7.1521788 02	1.5666555 03
7.3900002 01	8.5865199 02	7.2761241 02	1.5862644 03
7.3930002 01	8.5073543 02	7.2744881 02	1.5781843 03
7.3960002 01	8.2813801 02	7.1486608 02	1.5430041 03
7.4000002 01	7.7746059 02	6.8029885 02	1.4577594 03
7.4100002 01	5.8150544 02	5.3054964 02	1.1120551 03
7.4200002 01	3.6512977 02	3.5448394 02	7.1961371 02
7.4300001 01	1.9921550 02	2.1374764 02	4.1296314 02
7.4400001 01	1.0069863 02	1.2657316 02	2.2727178 02
7.4500002 01	5.1926435 01	8.0995435 01	1.3292187 02
7.4600000 01	2.9925222 01	5.8796044 01	8.8721266 01
7.4700002 01	1.9775791 01	4.7489751 01	6.7265541 01
7.4800002 01	1.4484632 01	4.0956089 01	5.5440721 01
7.4900002 01	1.1297751 01	3.6656785 01	4.7954535 01
7.5000002 01	9.1648744 00	3.3560501 01	4.2725376 01
7.5100001 01	7.6421338 00	3.1201120 01	3.8843254 01
7.5200002 01	6.5097272 00	2.9333907 01	3.5843634 01
7.5300000 01	5.6436628 00	2.7814030 01	3.3457693 01
7.5400000 01	4.9679444 00	2.6548667 01	3.1516611 01
7.5600002 01	4.0077479 00	2.4548933 01	2.8556681 01
7.5800001 01	3.4011978 00	2.3017437 01	2.6418635 01
7.6000002 01	3.0521968 00	2.1776217 01	2.4828414 01
7.6200002 01	2.9607887 00	2.0711270 01	2.3672059 01
7.6400002 01	3.3756240 00	1.9759721 01	2.3135345 01
7.6600001 01	6.4281229 00	1.9276182 01	2.5704305 01
7.6700002 01	1.1884174 01	1.9954373 01	3.1838546 01
7.6800000 01	2.3453322 01	2.2323560 01	4.5776881 01
7.6900001 01	4.3279493 01	2.7314005 01	7.0593498 01
7.7000002 01	6.9174356 01	3.4810942 01	1.0398530 02
7.7100002 01	9.2459616 01	4.2697166 01	1.3515678 02
7.7140002 01	9.8408762 01	4.5181624 01	1.4359039 02
7.7170002 01	1.0101904 02	4.6588576 01	1.4760762 02
7.7200002 01	1.0187462 02	4.7528606 01	1.4940323 02
7.7230002 01	1.0092850 02	4.7960883 01	1.4888938 02
7.7260000 01	9.8234387 01	4.7872788 01	1.4610718 02
7.7300001 01	9.2193586 01	4.6978186 01	1.3917178 02
7.7400002 01	6.8830944 01	4.1719091 01	1.1055004 02
7.7500002 01	4.3088680 01	3.4659370 01	7.7748049 01

TABLE II (Continued) T = 0.05 ev

E_n(ev)	σ_γ(barns)	σ_s(barns)	σ_T(barns)
7.7600000 01	2.3670779 01	2.8543146 01	5.2213925 01
7.7700001 01	1.3016767 01	2.4476484 01	3.7493251 01
7.7800000 01	9.5148752 00	2.2217355 01	3.1732230 01
7.7900002 01	1.0729425 01	2.1119833 01	3.1849258 01
7.8000002 01	1.4428886 01	2.0677245 01	3.5106131 01
7.8100001 01	1.8187664 01	2.0561099 01	3.8748764 01
7.8140001 01	1.9146219 01	2.0547786 01	3.9694005 01
7.8170002 01	1.9542940 01	2.0536679 01	4.0079619 01
7.8200002 01	1.9629949 01	2.0518891 01	4.0148840 01
7.8230001 01	1.9396803 01	2.0490343 01	3.9887146 01
7.8260000 01	1.8851833 01	2.0448036 01	3.9299870 01
7.8300000 01	1.7688039 01	2.0367434 01	3.8055473 01
7.8400001 01	1.3310682 01	2.0050459 01	3.3361140 01
7.8500002 01	8.5364144 00	1.9634794 01	2.8171209 01
7.8600002 01	4.9074252 00	1.9224716 01	2.4132140 01
7.8700002 01	2.7852430 00	1.8882853 01	2.1668096 01
7.8800000 01	1.7643214 00	1.8616631 01	2.0380952 01
7.9000002 01	1.1247434 00	1.8231571 01	1.9356315 01
7.9200001 01	9.5109427-01	1.7940057 01	1.8891151 01
7.9400002 01	8.6314217-01	1.7692774 01	1.8555916 01
7.9600002 01	8.1262298-01	1.7472251 01	1.8284874 01
7.9800000 01	7.9755697-01	1.7268064 01	1.8065621 01
8.0000002 01	8.8799524-01	1.7070155 01	1.7958150 01
8.0100000 01	1.0974241 00	1.6971396 01	1.8068819 01
8.0200002 01	1.6297685 00	1.6876811 01	1.8506580 01
8.0300000 01	2.7622242 00	1.6799445 01	1.9561669 01
8.0400002 01	4.6906114 00	1.6761694 01	2.1452305 01
8.0500002 01	7.1889213 00	1.6782729 01	2.3971650 01
8.0600001 01	9.4194694 00	1.6855357 01	2.6274827 01
8.0640001 01	9.9866526 00	1.6889909 01	2.6876562 01
8.0670002 01	1.0234563 01	1.6914339 01	2.7148903 01
8.0700002 01	1.0314656 01	1.6935637 01	2.7250293 01
8.0730001 01	1.0222435 01	1.6952271 01	2.7174706 01
8.0760000 01	9.9628783 00	1.6962982 01	2.6925861 01
8.0800000 01	9.3818839 00	1.6966534 01	2.6348418 01
8.0900002 01	7.1288737 00	1.6919077 01	2.4047950 01
8.1000002 01	4.6221888 00	1.6809071 01	2.1431259 01
8.1100002 01	2.6873463 00	1.6675658 01	1.9363004 01
8.1200002 01	1.5426770 00	1.6550203 01	1.8092880 01
8.1400001 01	7.6242624-01	1.6355328 01	1.7117754 01
8.1600000 01	6.2763247-01	1.6207231 01	1.6834863 01
8.1800002 01	5.9166151-01	1.6076426 01	1.6668088 01
8.2000002 01	5.7822983-01	1.5952541 01	1.6530771 01
8.2200002 01	5.7664110-01	1.5831331 01	1.6407972 01
8.2400001 01	5.8486020-01	1.5709985 01	1.6294844 01
8.2600002 01	6.0388793-01	1.5585889 01	1.6189778 01
8.3000002 01	6.9425531-01	1.5315924 01	1.6010178 01
8.3200002 01	7.9453121-01	1.5158799 01	1.5953330 01
8.3400002 01	1.0084548 00	1.4972194 01	1.5980649 01
8.3600001 01	1.8103195 00	1.4747803 01	1.6558122 01
8.3700002 01	3.1741327 00	1.4653355 01	1.7827487 01
8.3800000 01	6.3533801 00	1.4658111 01	2.1011491 01
8.3900001 01	1.2750792 01	1.4910439 01	2.7661231 01
8.4000002 01	2.3214301 01	1.5579353 01	3.8793654 01
8.4100002 01	3.6382159 01	1.6700316 01	5.3082475 01
8.4200002 01	4.7931378 01	1.8015562 01	6.5946939 01
8.4240002 01	5.0853930 01	1.8485319 01	6.9339249 01
8.4270002 01	5.2137183 01	1.8783755 01	7.0920938 01
8.4300000 01	5.2565383 01	1.9022076 01	7.1587458 01
8.4330002 01	5.2117321 01	1.9190833 01	7.1308154 01
8.4360002 01	5.0816722 01	1.9284182 01	7.0100904 01
8.4400002 01	4.7880014 01	1.9288808 01	6.7168821 01
8.4500002 01	3.6357020 01	1.8771407 01	5.5128427 01

TABLE II (Continued) T = 0.05 ev

E_n(ev)	σ_γ(barns)	σ_s(barns)	σ_T(barns)
8.4600001 01	2.3293495 01	1.7804173 01	4.1097668 01
8.4700001 01	1.2958394 01	1.6806530 01	2.9764925 01
8.4800000 01	6.6759834 00	1.6023288 01	2.2699271 01
8.4900002 01	3.6025034 00	1.5487543 01	1.9090046 01
8.5000002 01	2.3591314 00	1.5126624 01	1.7485756 01
8.5100002 01	1.9631625 00	1.4860550 01	1.6823712 01
8.5200002 01	1.9457804 00	1.4639444 01	1.6585224 01
8.5300000 01	2.1758572 00	1.4446899 01	1.6622756 01
8.5400001 01	2.7578934 00	1.4312901 01	1.7070795 01
8.5500002 01	4.1346167 00	1.4377580 01	1.8512197 01
8.5600000 01	7.4113862 00	1.5040099 01	2.2451485 01
8.5650002 01	1.0381455 01	1.5839698 01	2.6221154 01
8.5700002 01	1.4692430 01	1.7144671 01	3.1837101 01
8.5800000 01	2.8713308 01	2.1932926 01	5.0646233 01
8.5900002 01	5.0870374 01	3.0334668 01	8.1205041 01
8.6000002 01	7.8133932 01	4.1627161 01	1.1976109 02
8.6100001 01	1.0196880 02	5.2627355 01	1.5459615 02
8.6140001 01	1.0818879 02	5.5934380 01	1.6412317 02
8.6170002 01	1.1111581 02	5.7757952 01	1.6887376 02
8.6200002 01	1.1242295 02	5.8933498 01	1.7135644 02
8.6230001 01	1.1208386 02	5.9418663 01	1.7150252 02
8.6260000 01	1.1015790 02	5.9205793 01	1.6936369 02
8.6300000 01	1.0537498 02	5.7888958 01	1.6326394 02
8.6400002 01	8.5881959 01	5.0583435 01	1.3646540 02
8.6500002 01	6.3741065 01	4.0815586 01	1.0455665 02
8.6600002 01	4.5989345 01	3.2208735 01	7.8198081 01
8.6640002 01	4.0527872 01	2.9513091 01	7.0040963 01
8.6700002 01	3.3742056 01	2.6313146 01	6.0055201 01
8.6760001 01	2.8115899 01	2.3990510 01	5.2106408 01
8.6800001 01	2.4760574 01	2.2824517 01	4.7585091 01
8.6900001 01	1.7228811 01	2.0804084 01	3.8032895 01
8.7000002 01	1.0966195 01	1.9530025 01	3.0496220 01
8.7100000 01	6.4280720 00	1.8653366 01	2.5081438 01
8.7200002 01	3.6643044 00	1.8033231 01	2.1697536 01
8.7300002 01	2.2209949 00	1.7593098 01	1.9814092 01
8.7400002 01	1.5329262 00	1.7273561 01	1.8806488 01
8.7500002 01	1.2001409 00	1.7030484 01	1.8230625 01
8.7600001 01	1.0175797 00	1.6835821 01	1.7853401 01
8.7800000 01	8.1491843-01	1.6534080 01	1.7348998 01
8.8000002 01	6.9746379-01	1.6303628 01	1.7001091 01
8.8400002 01	5.6651868-01	1.5960769 01	1.6527287 01
8.9000002 01	4.7863856-01	1.5596047 01	1.6074686 01
8.9500002 01	4.4890145-01	1.5357373 01	1.5806275 01
9.0000002 01	4.4215672-01	1.5146156 01	1.5588312 01
9.0400002 01	4.5134685-01	1.4985246 01	1.5436592 01
9.1000002 01	4.9623896-01	1.4740610 01	1.5236849 01
9.1400002 01	5.6099851-01	1.4564123 01	1.5125121 01
9.1800000 01	6.8415302-01	1.4365046 01	1.5049199 01
9.2000002 01	7.8867806-01	1.4252824 01	1.5041502 01
9.2200002 01	9.4850389-01	1.4130031 01	1.5078535 01
9.2400001 01	1.2129701 00	1.3997861 01	1.5210832 01
9.2600000 01	1.7229467 00	1.3876065 01	1.5599012 01
9.2800000 01	3.1734476 00	1.3961066 01	1.7134513 01
9.3000002 01	9.8486409 00	1.5837815 01	2.5686456 01
9.3100001 01	1.9477033 01	1.9224976 01	3.8702009 01
9.3200002 01	3.6951866 01	2.5907943 01	6.2859809 01
9.3300000 01	6.3177451 01	3.6573946 01	9.9751397 01
9.3400002 01	9.4090184 01	4.9934277 01	1.4402446 02
9.3500002 01	1.2002933 02	6.2195106 01	1.8222443 02
9.3540002 01	1.2645507 02	6.5694314 01	1.9214938 02
9.3570002 01	1.2925497 02	6.7537775 01	1.9679274 02
9.3600002 01	1.3017517 02	6.8628374 01	1.9880354 02
9.3610002 01	1.3005444 02	6.8816864 01	1.9887130 02

TABLE II (Continued) T = 0.05 ev

E_n(ev)	σ_γ(barns)	σ_s(barns)	σ_T(barns)
9.3630000 01	1.2917345 02	6.8927002 01	1.9810046 02
9.3660002 01	1.2629735 02	6.8431297 01	1.9472865 02
9.3700002 01	1.1978703 02	6.6598715 01	1.8638575 02
9.3800001 01	9.3760033 01	5.7426041 01	1.5118608 02
9.3900001 01	6.2924228 01	4.5276840 01	1.0820107 02
9.4000002 01	3.6834161 01	3.4270298 01	7.1104459 01
9.4010000 01	3.4690579 01	3.3332333 01	6.8022912 01
9.4100000 01	1.9455585 01	2.6450489 01	4.5906073 01
9.4200002 01	9.8629172 00	2.1784136 01	3.1647053 01
9.4400002 01	3.1827350 00	1.7979127 01	2.1161861 01
9.4600001 01	1.7284248 00	1.6785186 01	1.8513611 01
9.4800000 01	1.2226389 00	1.6203681 01	1.7426320 01
9.5000002 01	9.6372222-01	1.5829222 01	1.6792944 01
9.5200002 01	8.0993703-01	1.5556062 01	1.6365999 01
9.5400002 01	7.1211548-01	1.5341116 01	1.6053231 01
9.5600000 01	6.4786499-01	1.5162314 01	1.5810179 01
9.5800000 01	6.0570675-01	1.5006854 01	1.5612561 01
9.6000002 01	5.7943987-01	1.4866544 01	1.5445984 01
9.6400001 01	5.6348069-01	1.4609799 01	1.5173280 01
9.7000002 01	6.3908861-01	1.4223181 01	1.4862270 01
9.7200001 01	7.1406932-01	1.4075564 01	1.4789633 01
9.7400002 01	8.5342103-01	1.3906324 01	1.4759745 01
9.7600002 01	1.1931179 00	1.3711290 01	1.4904407 01
9.7700002 01	1.6333474 00	1.3625157 01	1.5258503 01
9.7800000 01	2.6325482 00	1.3612800 01	1.6245348 01
9.8000002 01	9.5929550 00	1.4548473 01	2.4141428 01
9.8100000 01	1.7958451 01	1.6152934 01	3.4111385 01
9.8200002 01	3.0265627 01	1.8867802 01	4.9133429 01
9.8300000 01	4.4524391 01	2.2426535 01	6.6950926 01
9.8400002 01	5.6343451 01	2.5900840 01	8.2244290 01
9.8440002 01	5.9255478 01	2.6982542 01	8.6238020 01
9.8470001 01	6.0523408 01	2.7608110 01	8.8131518 01
9.8500002 01	6.0941205 01	2.8048826 01	8.8990032 01
9.8530002 01	6.0490837 01	2.8290111 01	8.8780947 01
9.8560001 01	5.9192609 01	2.8326175 01	8.7518783 01
9.8600001 01	5.6247162 01	2.8062369 01	8.4309531 01
9.8700002 01	4.4398399 01	2.6100726 01	7.0499126 01
9.8800000 01	3.0183815 01	2.3121313 01	5.3305127 01
9.8900002 01	1.7949030 01	2.0202077 01	3.8151107 01
9.9000002 01	9.6406836 00	1.7978627 01	2.7619311 01
9.9100002 01	4.9771661 00	1.6551479 01	2.1528645 01
9.9200002 01	2.7240143 00	1.5722230 01	1.8446244 01
9.9400001 01	1.3057178 00	1.4953164 01	1.6258882 01
9.9600000 01	9.9618017-01	1.4589590 01	1.5585769 01
9.9800002 01	8.9334582-01	1.4341272 01	1.5234618 01
1.0000002 02	8.6103161-01	1.4141766 01	1.5002797 01
1.0020002 02	8.6886989-01	1.3968537 01	1.4837407 01
1.0050002 02	9.3754324-01	1.3737116 01	1.4674660 01
1.0070002 02	1.0214992 00	1.3596433 01	1.4617932 01
1.0080002 02	1.0770169 00	1.3530222 01	1.4607239 01
1.0090002 02	1.1433466 00	1.3467390 01	1.4610737 01
1.0100002 02	1.2224274 00	1.3408862 01	1.4631289 01
1.0120002 02	1.4302073 00	1.3311142 01	1.4741350 01
1.0140002 02	1.7344508 00	1.3259373 01	1.4993824 01
1.0160002 02	2.2016212 00	1.3304693 01	1.5506314 01
1.0180002 02	2.9793539 00	1.3577943 01	1.6557297 01
1.0200002 02	4.4982425 00	1.4515084 01	1.9013327 01
1.0220002 02	8.6420332 00	1.8200420 01	2.6842453 01
1.0240002 02	2.4099519 01	3.4546774 01	5.8646292 01
1.0245002 02	3.2200432 01	4.3468664 01	7.5669095 01
1.0250002 02	4.2920050 01	5.5420009 01	9.8340060 01
1.0260002 02	7.3499025 01	9.0071245 01	1.6357027 02
1.0270002 02	1.1548476 02	1.3867450 02	2.5415925 02

TABLE II (Continued) T = 0.05 ev

E_n(ev)	σ_γ(barns)	σ_s(barns)	σ_T(barns)
1.0280002 02	1.6180443 02	1.9389632 02	3.5570075 02
1.0290002 02	1.9900965 02	2.4083306 02	4.3984270 02
1.0294002 02	2.0804860 02	2.5346932 02	4.6151793 02
1.0297002 02	2.1196910 02	2.5982051 02	4.7178960 02
1.0300002 02	2.1325741 02	2.6323689 02	4.7649429 02
1.0303002 02	2.1186284 02	2.6361125 02	4.7547409 02
1.0306002 02	2.0784310 02	2.6095578 02	4.6879887 02
1.0310002 02	1.9869280 02	2.5294476 02	4.5163756 02
1.0320002 02	1.6137623 02	2.1503252 02	3.7640875 02
1.0330002 02	1.1519059 02	1.6420051 02	2.7939111 02
1.0340002 02	7.3459357 01	1.1576029 02	1.8921965 02
1.0350002 02	4.3122846 01	7.8654103 01	1.2177695 02
1.0360002 02	2.4479341 01	5.4383384 01	7.8862726 01
1.0370002 02	1.4374559 01	4.0099729 01	5.4474288 01
1.0380002 02	9.3052237 00	3.2060460 01	4.1365684 01
1.0390002 02	6.8331910 00	2.7428282 01	3.4261472 01
1.0400002 02	5.6640704 00	2.4551420 01	3.0215490 01
1.0410002 02	5.2857051 00	2.2629566 01	2.7915271 01
1.0420002 02	5.7125953 00	2.1388457 01	2.7101052 01
1.0430002 02	7.4802655 00	2.0962611 01	2.8442876 01
1.0440002 02	1.1787831 01	2.1947124 01	3.3734955 01
1.0450002 02	2.0452446 01	2.5416556 01	4.5869002 01
1.0460002 02	3.5167550 01	3.2579664 01	6.7747213 01
1.0470002 02	5.5851552 01	4.3847070 01	9.9698621 01
1.0480002 02	7.8961353 01	5.7691125 01	1.3665248 02
1.0490002 02	9.7635860 01	7.0378305 01	1.6801417 02
1.0494002 02	1.0217540 02	7.4094972 01	1.7627038 02
1.0497002 02	1.0413780 02	7.6133162 01	1.8027097 02
1.0499002 02	1.0471026 02	7.7092728 01	1.8180299 02
1.0500002 02	1.0477087 02	7.7446821 01	1.8221769 02
1.0501002 02	1.0468050 02	7.7715494 01	1.8239599 02
1.0503002 02	1.0404890 02	7.7993115 01	1.8204201 02
1.0506002 02	1.0200222 02	7.7760493 01	1.7976271 02
1.0510002 02	9.7364117 01	7.6278805 01	1.7364292 02
1.0520002 02	7.8562145 01	6.7732100 01	1.4629425 02
1.0530002 02	5.5569108 01	5.5418168 01	1.1098728 02
1.0540002 02	3.5351640 01	4.3359967 01	7.8711606 01
1.0550002 02	2.1639072 01	3.4034684 01	5.5673756 01
1.0560002 02	1.4730500 01	2.7981470 01	4.2711971 01
1.0570002 02	1.2938014 01	2.4563711 01	3.7501724 01
1.0580002 02	1.3945012 01	2.2855882 01	3.6800894 01
1.0590002 02	1.5525767 01	2.2094553 01	3.7620319 01
1.0594002 02	1.5913067 01	2.1929874 01	3.7842942 01
1.0597002 02	1.6037076 01	2.1833954 01	3.7871030 01
1.0600002 02	1.5996862 01	2.1751834 01	3.7748696 01
1.0603002 02	1.5783236 01	2.1676186 01	3.7459422 01
1.0606002 02	1.5396618 01	2.1600963 01	3.6997580 01
1.0610002 02	1.4628701 01	2.1493482 01	3.6122183 01
1.0620002 02	1.1755277 01	2.1152343 01	3.2907620 01
1.0630002 02	8.3563894 00	2.0703185 01	2.9059574 01
1.0640002 02	5.3766288 00	2.0205436 01	2.5582064 01
1.0650002 02	3.2786236 00	1.9732575 01	2.3011198 01
1.0660002 02	2.0369802 00	1.9327486 01	2.1364466 01
1.0680002 02	1.0740260 00	1.8728441 01	1.9802466 01
1.0700002 02	8.1987776-01	1.8311838 01	1.9131716 01
1.0750002 02	6.1170792-01	1.7600789 01	1.8212496 01
1.0800002 02	5.3354107-01	1.7096210 01	1.7629751 01
1.0850002 02	5.3267802-01	1.6668977 01	1.7201654 01
1.0900002 02	7.2690542-01	1.6211451 01	1.6938357 01
1.0930002 02	1.9624402 00	1.5937325 01	1.7899765 01
1.0950002 02	6.6792395 00	1.6317533 01	2.2996772 01
1.0970002 02	1.9085279 01	1.8424269 01	3.7509548 01
1.0990002 02	3.3520772 01	2.2014106 01	5.5534878 01

TABLE II (Continued) T = 0.05 ev

E_n(ev)	σ_γ(barns)	σ_s(barns)	σ_T(barns)
1.1000002 02	3.5982710 01	2.3290544 01	5.9273254 01
1.1010002 02	3.3454789 01	2.3611368 01	5.7066157 01
1.1030002 02	1.8991330 01	2.1665123 01	4.0656453 01
1.1050002 02	6.6265945 00	1.8974431 01	2.5601025 01
1.1070002 02	1.9069117 00	1.7198871 01	1.9105782 01
1.1100002 02	6.3761781-01	1.5023147 01	1.5660765 01
1.1150002 02	3.8693792-01	1.2698152 01	1.3085090 01
1.1200002 02	2.8929697-01	1.1563544 01	1.1852840 01
1.1250002 02	2.0724815-01	9.5305962 00	9.7378442 00
1.1300002 02	1.8173229-01	7.5859979 00	7.7677302 00
1.1350001 02	1.6630331-01	5.7661268 00	5.9324301 00
1.1400001 02	1.6291879-01	3.2882163 00	3.4511351 00

TABLE III

Hf CROSS SECTIONS

Hf 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)
2.5300002-02	1.0179937 02	9.3953610 00	1.1119473 02
3.5000002-02	8.7435285 01	9.3733979 00	9.6808683 01
5.0000007-02	7.4332276 01	9.3599081 00	8.3692184 01
8.0000007-02	6.0734285 01	9.3575783 00	7.0091863 01
1.0000002-01	5.5572458 01	9.3632260 00	6.4935685 01
2.0000002-01	4.4497322 01	9.4268484 00	5.3924171 01
3.0000005-01	4.2032037 01	9.5374551 00	5.1569492 01
4.0000006-01	4.3328701 01	9.7101240 00	5.3038825 01
5.0000002-01	4.7973404 01	9.9820152 00	5.7955419 01
6.0000002-01	5.7343078 01	1.0429669 01	6.7772747 01
7.0000002-01	7.5696433 01	1.1230000 01	8.6926432 01
8.0000002-01	1.1621342 02	1.2885042 01	1.2909846 02
8.5000002-01	1.5760138 02	1.4500075 01	1.7210146 02
9.0000002-01	2.3593151 02	1.7443787 01	2.5337530 02
9.5000002-01	4.1744987 02	2.3963406 01	4.4141327 02
1.0000002 00	9.9378577 02	4.3516182 01	1.0373020 03
1.0400002 00	2.2795949 03	8.4916321 01	2.3645112 03
1.0700002 00	3.5912089 03	1.2501642 02	3.7162254 03
1.1000002 00	4.1685266 03	1.3972211 02	4.3082489 03
1.1300002 00	3.4367235 03	1.1303684 02	3.5497603 03
1.1600002 00	2.1323578 03	7.0308777 01	2.2026667 03
1.2000002 00	9.2534915 02	3.2597649 01	9.5794680 02
1.3000002 00	2.0764395 02	1.1804501 01	2.1944844 02
1.4000002 00	1.0084457 02	9.2398777 00	1.1008446 02
1.5000002 00	6.9067112 01	8.7247019 00	7.7791814 01
1.6000002 00	5.8451891 01	8.8212600 00	6.7273151 01
1.6500001 00	5.7083098 01	9.0200949 00	6.6103194 01
1.7000002 00	5.7654853 01	9.3233385 00	6.6978191 01
1.7500000 00	6.0056689 01	9.7527385 00	6.9809428 01
1.8000002 00	6.4417480 01	1.0347545 01	7.4765024 01
1.9000002 00	8.0914697 01	1.2332730 01	9.3247427 01
2.0000002 00	1.1602822 02	1.6513922 01	1.3254214 02
2.1000002 00	2.0097723 02	2.7159041 01	2.2813628 02
2.1500002 00	2.9780313 02	3.9912934 01	3.3771606 02
2.2000002 00	5.1281163 02	6.9519280 01	5.8233091 02
2.2500002 00	1.1139387 03	1.5622890 02	1.2701676 03
2.3000002 00	2.7114153 03	3.9544092 02	3.1068562 03
2.3200002 00	3.6801259 03	5.4373956 02	4.2238654 03
2.3500002 00	5.1502610 03	7.7381555 02	5.9240766 03
2.3700002 00	5.8302366 03	8.8489801 02	6.7151346 03
2.3800002 00	6.0039416 03	9.1580872 02	6.9197502 03
2.3900002 00	6.0469988 03	9.2702210 02	6.9740209 03
2.4000002 00	5.9566062 03	9.1788391 02	6.8744901 03
2.4100002 00	5.7402265 03	8.8930945 02	6.6295359 03
2.4400002 00	4.5331652 03	7.1542627 02	5.2485915 03
2.4500002 00	4.0333684 03	6.4126102 02	4.6746295 03
2.5000002 00	1.8344675 03	3.0744899 02	2.1419166 03
2.5500002 00	7.5936703 02	1.3891572 02	8.9828275 02
2.6000002 00	3.7615233 02	7.6534607 01	4.5268693 02
2.7000002 00	1.5480484 02	3.8474031 01	1.9327888 02
2.8000002 00	8.7558853 01	2.6043171 01	1.1360202 02
3.0000002 00	4.2094411 01	1.6875395 01	5.8969806 01
3.2000002 00	2.6895306 01	1.3364048 01	4.0259354 01
3.4000002 00	2.0242650 01	1.1560128 01	3.1802779 01
3.6000002 00	1.6979708 01	1.0465152 01	2.7444861 01
3.8000002 00	1.5387400 01	9.7252052 00	2.5112606 01
4.0000002 00	1.4783942 01	9.1887924 00	2.3972734 01
4.2000000 00	1.4890024 01	8.7839795 00	2.3674003 01
4.4000002 00	1.5631241 01	8.4765741 00	2.4107815 01
4.6000001 00	1.7094874 01	8.2549782 00	2.5349852 01
4.8000002 00	1.9599621 01	8.1276729 00	2.7727294 01
5.0000002 00	2.4015904 01	8.1360743 00	3.2151979 01
5.2000002 00	3.3233339 01	8.4258094 00	4.1659148 01

TABLE III (Continued) T = 0.1 ev

E_n(ev)	σ_γ(barns)	σ_s(barns)	σ_T(barns)
5.3000002 00	4.3076811 01	8.8530555 00	5.1929867 01
5.4000002 00	6.6629919 01	1.0049393 01	7.6679312 01
5.5000002 00	1.6827422 02	1.6356893 01	1.8463111 02
5.6000001 00	5.4418817 02	4.3671722 01	5.8785990 02
5.6500002 00	7.8369148 02	6.3690926 01	8.4738240 02
5.6800002 00	8.8346152 02	7.3726784 01	9.5718831 02
5.7000002 00	9.2426039 02	7.8999237 01	1.0032596 03
5.7200002 00	9.4854002 02	8.3362549 01	1.0319026 03
5.7500002 00	9.7275560 02	8.9413727 01	1.0621693 03
5.8000002 00	1.0540467 03	1.0275352 02	1.1568003 03
5.8400002 00	1.1674479 03	1.1582782 02	1.2832758 03
5.8700002 00	1.2321027 03	1.2240357 02	1.3545063 03
5.9000002 00	1.2307121 03	1.2206557 02	1.3527777 03
5.9300002 00	1.1412789 03	1.1320845 02	1.2544874 03
5.9600002 00	9.7543785 02	9.7275047 01	1.0727129 03
6.0000002 00	7.0096049 02	7.1436104 01	7.7239659 02
6.0500002 00	4.0161039 02	4.3821205 01	4.4543159 02
6.1000002 00	2.2335141 02	2.7825733 01	2.5117714 02
6.1500001 00	1.4391545 02	2.1132508 01	1.6504796 02
6.2000001 00	1.1673186 02	1.9440129 01	1.3617199 02
6.2200001 00	1.1369570 02	1.9590597 01	1.3328629 02
6.2500000 00	1.1508800 02	2.0594898 01	1.3568289 02
6.2800002 00	1.2379609 02	2.2794647 01	1.4659074 02
6.3000002 00	1.3489233 02	2.5287058 01	1.6017938 02
6.3500002 00	1.9511725 02	3.8682814 01	2.3380007 02
6.4000002 00	3.4803071 02	7.4235481 01	4.2226620 02
6.4500002 00	6.6901295 02	1.5253983 02	8.2155279 02
6.5000002 00	1.1704402 03	2.8057883 02	1.4510191 03
6.5400002 00	1.5923916 03	3.9410320 02	1.9864949 03
6.5700002 00	1.8170017 03	4.5964661 02	2.2766483 03
6.6000002 00	1.8950076 03	4.9005110 02	2.3850587 03
6.6300002 00	1.8052042 03	4.7812693 02	2.2833311 03
6.6600001 00	1.5747092 03	4.2891576 02	2.0036250 03
6.7000002 00	1.1575929 03	3.3106780 02	1.4886607 03
6.7500002 00	6.7370285 02	2.1144499 02	8.8514784 02
6.8000002 00	3.6790941 02	1.3302500 02	5.0093442 02
6.9000002 00	1.6838864 02	8.1475229 01	2.4986387 02
6.9500002 00	1.5158510 02	7.9013226 01	2.3059833 02
7.0000002 00	1.5079345 02	8.2173557 01	2.3296701 02
7.1000001 00	1.7270346 02	9.9680715 01	2.7238418 02
7.2000002 00	2.2238020 02	1.3458828 02	3.5696847 02
7.3000002 00	3.1718272 02	2.0168508 02	5.1886780 02
7.4000001 00	5.1902499 02	3.4923760 02	8.6826259 02
7.5000000 00	1.0888102 03	7.8414414 02	1.8729543 03
7.6000002 00	3.0665253 03	2.3533996 03	5.4199249 03
7.7000001 00	7.6848991 03	6.1233777 03	1.3808277 04
7.7400002 00	9.5826336 03	7.7122353 03	1.7294869 04
7.7600002 00	1.0273677 04	8.3055609 03	1.8579238 04
7.8000002 00	1.0834150 04	8.8334452 03	1.9667595 04
7.8600002 00	9.4466306 03	7.8036709 03	1.7250301 04
7.9000002 00	7.5246696 03	6.2796379 03	1.3804307 04
8.0000002 00	2.9958491 03	2.5973757 03	5.5932248 03
8.1000001 00	1.0645728 03	9.8249811 02	2.0470710 03
8.2000002 00	5.0097289 02	4.9217017 02	9.9314305 02
8.3000002 00	3.0428298 02	3.1064930 02	6.1493228 02
8.4000001 00	2.1868378 02	2.2121344 02	4.3989723 02
8.5000000 00	2.0146759 02	1.7176898 02	3.7323658 02
8.6000002 00	3.3168199 02	1.5774348 02	4.8942548 02
8.6500001 00	5.0305508 02	1.7040796 02	6.7346303 02
8.7000002 00	7.3079771 02	1.9537679 02	9.2617450 02
8.7400002 00	9.0087685 02	2.1719327 02	1.1180702 03
8.8000002 00	1.0099986 03	2.3370506 02	1.2437037 03
8.8600000 00	8.7416736 02	2.1627278 02	1.0904400 03

TABLE III (Continued) T = 0.1 ev

E_n(ev)	σ_γ(barns)	σ_s(barns)	σ_T(barns)
8.9000001 00	6.9132754 02	1.8968575 02	8.8101329 02
8.9500002 00	4.5201774 02	1.5227022 02	6.0428796 02
9.0000000 00	2.6858538 02	1.2093925 02	3.8952463 02
9.1000002 00	1.0048710 02	8.6342725 01	1.8682982 02
9.2000002 00	5.7614732 01	7.2288123 01	1.2990286 02
9.3000002 00	4.2652405 01	6.4301469 01	1.0695387 02
9.4000001 00	3.4431202 01	5.8533184 01	9.2964386 01
9.6000001 00	2.4883898 01	5.0279776 01	7.5163675 01
9.8000002 00	1.9268074 01	4.4508905 01	6.3776978 01
1.0000002 01	1.5517997 01	4.0211070 01	5.5729067 01
1.0400002 01	1.0839518 01	3.4227956 01	4.5067473 01
1.0800002 01	8.0910656 00	3.0268723 01	3.8359788 01
1.1000002 01	7.1206501 00	2.8754479 01	3.5875129 01
1.1400002 01	5.6834293 00	2.6341866 01	3.2025295 01
1.1800002 01	4.7012029 00	2.4501153 01	2.9202356 01
1.2000002 01	4.3325001 00	2.3731954 01	2.8064454 01
1.2400002 01	3.7968111 00	2.2409523 01	2.6206334 01
1.2800002 01	3.5617714 00	2.1283480 01	2.4845251 01
1.3000002 01	3.6528124 00	2.0757073 01	2.4409885 01
1.3200002 01	4.2006341 00	2.0219976 01	2.4420610 01
1.3300002 01	5.2857866 00	1.9929681 01	2.5215468 01
1.3400002 01	9.2971846 00	1.9629138 01	2.8926322 01
1.3500002 01	2.1540760 01	1.9414743 01	4.0955502 01
1.3550002 01	3.1628307 01	1.9399138 01	5.1027446 01
1.3600002 01	4.2690302 01	1.9457593 01	6.2147894 01
1.3640002 01	5.0394134 01	1.9538707 01	6.9932841 01
1.3670002 01	5.4585258 01	1.9601648 01	7.4186906 01
1.3700002 01	5.7064714 01	1.9653360 01	7.6718074 01
1.3730002 01	5.7941018 01	1.9687807 01	7.7628825 01
1.3760002 01	5.7778574 01	1.9709226 01	7.7487801 01
1.3800002 01	5.7659910 01	1.9750293 01	7.7410203 01
1.3840002 01	6.0311986 01	1.9880909 01	8.0192896 01
1.3860002 01	6.3529306 01	2.0012637 01	8.3541943 01
1.3870002 01	6.5720866 01	2.0101032 01	8.5821899 01
1.3880002 01	6.8324934 01	2.0206462 01	8.8531396 01
1.3900002 01	7.4790996 01	2.0473315 01	9.5264310 01
1.3930002 01	8.7456871 01	2.1024377 01	1.0848125 02
1.3960002 01	1.0285418 02	2.1753467 01	1.2460765 02
1.4000002 01	1.2474666 02	2.2935211 01	1.4768187 02
1.4040002 01	1.4341303 02	2.4186087 01	1.6759912 02
1.4070002 01	1.5217524 02	2.5022901 01	1.7719815 02
1.4100002 01	1.5470490 02	2.5659746 01	1.8036465 02
1.4130002 01	1.5044020 02	2.6021723 01	1.7646192 02
1.4160002 01	1.3987372 02	2.6075468 01	1.6594919 02
1.4200002 01	1.1848496 02	2.5696048 01	1.4418100 02
1.4250002 01	8.6666558 01	2.4701518 01	1.1136807 02
1.4300002 01	5.7158731 01	2.3481250 01	8.0639981 01
1.4400002 01	2.0551377 01	2.1460736 01	4.2012113 01
1.4500002 01	8.1477190 00	2.0390264 01	2.8537983 01
1.4600002 01	4.7824881 00	1.9853372 01	2.4635859 01
1.5000002 01	2.4290036 00	1.8877844 01	2.1306848 01
1.5400002 01	1.9106073 00	1.8308833 01	2.0219440 01
1.5800002 01	1.6761198 00	1.7863958 01	1.9540078 01
1.6000002 01	1.6050513 00	1.7667634 01	1.9272685 01
1.6200002 01	1.5567521 00	1.7482986 01	1.9039738 01
1.6400002 01	1.5318714 00	1.7306646 01	1.8838517 01
1.6600002 01	1.5372765 00	1.7135729 01	1.8673006 01
1.6800002 01	1.5922457 00	1.6966415 01	1.8558661 01
1.7000002 01	1.7516818 00	1.6792534 01	1.8544215 01
1.7200002 01	2.2368685 00	1.6601740 01	1.8838609 01
1.7300002 01	3.0024930 00	1.6495701 01	1.9498194 01
1.7400002 01	5.5000911 00	1.6405823 01	2.1905914 01

TABLE III (Continued) T = 0.1 ev

E_n(ev)	σ_γ(barns)	σ_s(barns)	σ_T(barns)
1.7500002 01	1.3718956 01	1.6459699 01	3.0178655 01
1.7600002 01	3.3315275 01	1.6944328 01	5.0259603 01
1.7650002 01	4.6933254 01	1.7407731 01	6.4340985 01
1.7700002 01	6.0359663 01	1.7964770 01	7.8324432 01
1.7740002 01	6.8741248 01	1.8404190 01	8.7145438 01
1.7800002 01	7.3836721 01	1.8893383 01	9.2730105 01
1.7860002 01	6.8292354 01	1.9030398 01	8.7322751 01
1.7900002 01	5.9746094 01	1.8910001 01	7.8656096 01
1.8000002 01	3.2835318 01	1.8151451 01	5.0986768 01
1.8100002 01	1.3550876 01	1.7363009 01	3.0913885 01
1.8200001 01	5.3963622 00	1.6888453 01	2.2284735 01
1.8300002 01	2.8558400 00	1.6643510 01	1.9499349 01
1.8400002 01	2.0525409 00	1.6497890 01	1.8550430 01
1.8600002 01	1.5131005 00	1.6303867 01	1.7816967 01
1.9000002 01	1.1855945 00	1.6031871 01	1.7217464 01
1.9400002 01	1.0725338 00	1.5811823 01	1.6884356 01
2.0000002 01	1.0178216 00	1.5516296 01	1.6534117 01
2.0600002 01	1.0586194 00	1.5227794 01	1.6286413 01
2.1000002 01	1.1889454 00	1.5018169 01	1.6207114 01
2.1200002 01	1.3369907 00	1.4898195 01	1.6235186 01
2.1400002 01	1.6365538 00	1.4757102 01	1.6393656 01
2.1600002 01	2.5143705 00	1.4578109 01	1.7092479 01
2.1700001 01	4.1000496 00	1.4486190 01	1.8586239 01
2.1800002 01	9.1064385 00	1.4491349 01	2.3597788 01
2.1900001 01	2.2825501 01	1.4876775 01	3.7702275 01
2.2000002 01	4.9562867 01	1.6031165 01	6.5594032 01
2.2100001 01	8.1292735 01	1.7850332 01	9.9143067 01
2.2140002 01	9.0468281 01	1.8548777 01	1.0901706 02
2.2200002 01	9.5955499 01	1.9288429 01	1.1524393 02
2.2260002 01	9.0054394 01	1.9479320 01	1.0953372 02
2.2300001 01	8.0723507 01	1.9286225 01	1.0000954 02
2.2400001 01	4.9160034 01	1.8058373 01	6.7218407 01
2.2500002 01	2.2921097 01	1.6661871 01	3.9582968 01
2.2600001 01	9.5126003 00	1.5729936 01	2.5242536 01
2.2700001 01	4.6762403 00	1.5232914 01	1.9909154 01
2.2800001 01	3.3153287 00	1.4952041 01	1.8267370 01
2.2900001 01	3.1741624 00	1.4748919 01	1.7923101 01
2.2950002 01	3.4262647 00	1.4657692 01	1.8083956 01
2.3000002 01	4.0026305 00	1.4570740 01	1.8573370 01
2.3100002 01	7.0848288 00	1.4427326 01	2.1512156 01
2.3200001 01	1.5302416 01	1.4417560 01	2.9719976 01
2.3300001 01	3.0699861 01	1.4712219 01	4.5412080 01
2.3350001 01	4.0045135 01	1.4999026 01	5.5044162 01
2.3400001 01	4.8824370 01	1.5351453 01	6.4175822 01
2.3440002 01	5.4411765 01	1.5650217 01	7.0061982 01
2.3500001 01	5.9108361 01	1.6072266 01	7.5180627 01
2.3560002 01	5.9424613 01	1.6443230 01	7.5867843 01
2.3600001 01	5.8314498 01	1.6698774 01	7.5013272 01
2.3650001 01	5.7547262 01	1.7123994 01	7.4671256 01
2.3700001 01	5.9839824 01	1.7799400 01	7.7639223 01
2.3750001 01	6.6984707 01	1.8846661 01	8.5831368 01
2.3800001 01	7.9174006 01	2.0298514 01	9.9472520 01
2.3900002 01	1.0986409 02	2.3823876 01	1.3368796 02
2.3940002 01	1.1916194 02	2.5037539 01	1.4419947 02
2.4000002 01	1.2419508 02	2.6111404 01	1.5030648 02
2.4060002 01	1.1642374 02	2.6006243 01	1.4242998 02
2.4100001 01	1.0497252 02	2.5298012 01	1.3027053 02
2.4200001 01	6.5984562 01	2.2188506 01	8.8173068 01
2.4300002 01	3.2096420 01	1.9025853 01	5.1122273 01
2.4400001 01	1.3461199 01	1.7032554 01	3.0493733 01
2.4500001 01	5.9921092 00	1.6067277 01	2.2059386 01
2.4600001 01	3.4236473 00	1.5620696 01	1.9044343 01
2.4800001 01	1.9989282 00	1.5213362 01	1.7212290 01

TABLE III (Continued) T = 0.1 ev

E_n(ev)	σ_γ(barns)	σ_s(barns)	σ_T(barns)
2.5000002 01	1.5550846 00	1.4987812 01	1.6537897 01
2.5200002 01	1.3930136 00	1.4808393 01	1.6201406 01
2.5300002 01	1.4183333 00	1.4729113 01	1.6147446 01
2.5400002 01	1.6441656 00	1.4650199 01	1.6294364 01
2.5500002 01	2.4259054 00	1.4571237 01	1.6997143 01
2.5600002 01	4.3757255 00	1.4502450 01	1.8878176 01
2.5700002 01	7.7730311 00	1.4468761 01	2.2241793 01
2.5800002 01	1.1481966 01	1.4489996 01	2.5971962 01
2.5840002 01	1.2515680 01	1.4510784 01	2.7026464 01
2.5900002 01	1.3133363 01	1.4544573 01	2.7677936 01
2.5960002 01	1.2490925 01	1.4568613 01	2.7059538 01
2.6000001 01	1.1453211 01	1.4573345 01	2.6026556 01
2.6100002 01	7.7996937 00	1.4536853 01	2.2336547 01
2.6200002 01	4.5237089 00	1.4447782 01	1.8971491 01
2.6300002 01	2.7339289 00	1.4340014 01	1.7073943 01
2.6400002 01	2.2443559 00	1.4231463 01	1.6475819 01
2.6500001 01	2.7979022 00	1.4123298 01	1.6921200 01
2.6600002 01	4.9873719 00	1.4023815 01	1.9011186 01
2.6700002 01	1.0506349 01	1.3979908 01	2.4486256 01
2.6800002 01	2.1278499 01	1.4094235 01	3.5372735 01
2.6850002 01	2.8755860 01	1.4249667 01	4.3005527 01
2.6900002 01	3.7228530 01	1.4484269 01	5.1712798 01
2.6940002 01	4.4299162 01	1.4728109 01	5.9027271 01
2.7000002 01	5.4355515 01	1.5168970 01	6.9524485 01
2.7060002 01	6.2226184 01	1.5651467 01	7.7877652 01
2.7100002 01	6.5441411 01	1.5958528 01	8.1399939 01
2.7140002 01	6.6594443 01	1.6224060 01	8.2818503 01
2.7170002 01	6.5988716 01	1.6381661 01	8.2370378 01
2.7200002 01	6.4122288 01	1.6494818 01	8.0617106 01
2.7260002 01	5.7006801 01	1.6571190 01	7.3577991 01
2.7300002 01	5.0362035 01	1.6511947 01	6.6873981 01
2.7400002 01	3.1511823 01	1.6080695 01	4.7592517 01
2.7500002 01	1.6035095 01	1.5513432 01	3.1548527 01
2.7600002 01	7.1767787 00	1.5059539 01	2.2236318 01
2.7800002 01	1.9634586 00	1.4604992 01	1.6568450 01
2.8000002 01	1.2263655 00	1.4415181 01	1.5641547 01
2.8200002 01	1.0100600 00	1.4294085 01	1.5304145 01
2.8600002 01	8.5493125-01	1.4118619 01	1.4973551 01
2.9000002 01	8.2475027-01	1.3979921 01	1.4804671 01
2.9200002 01	8.3851421-01	1.3918903 01	1.4757418 01
2.9400002 01	8.7583771-01	1.3865143 01	1.4740981 01
2.9600002 01	9.5359701-01	1.3827394 01	1.4780990 01
2.9800002 01	1.1425250 00	1.3851864 01	1.4994389 01
3.0000002 01	1.9106481 00	1.4296054 01	1.6206702 01
3.0100002 01	3.0648357 00	1.5124059 01	1.8188895 01
3.0200001 01	5.1972203 00	1.6755857 01	2.1953077 01
3.0300002 01	8.2144984 00	1.9152729 01	2.7367227 01
3.0400002 01	1.1115455 01	2.1523709 01	3.2639163 01
3.0440002 01	1.1894153 01	2.2175567 01	3.4069720 01
3.0500002 01	1.2394561 01	2.2609637 01	3.5004199 01
3.0560002 01	1.2020418 01	2.2310651 01	3.4331069 01
3.0600002 01	1.1339343 01	2.1736159 01	3.3075501 01
3.0700002 01	8.7827015 00	1.9473286 01	2.8255987 01
3.0800002 01	6.3794934 00	1.7046679 01	2.3426173 01
3.0900002 01	5.5844900 00	1.5319808 01	2.0904298 01
3.1000002 01	7.8790046 00	1.4526967 01	2.2405972 01
3.1100002 01	1.5865691 01	1.4715580 01	3.0581271 01
3.1150002 01	2.3072632 01	1.5235422 01	3.8308055 01
3.1200002 01	3.2778936 01	1.6073583 01	4.8852520 01
3.1300002 01	5.8221549 01	1.8612754 01	7.6834303 01
3.1400001 01	8.3283472 01	2.1526235 01	1.0480971 02
3.1440002 01	8.9931640 01	2.2452015 01	1.1238365 02
3.1500002 01	9.3795469 01	2.3276739 01	1.1707221 02

TABLE III (Continued) T = 0.1 ev

E_n(ev)	σ_γ(barns)	σ_s(barns)	σ_T(barns)
3.1560002 01	8.9576272 01	2.3273372 01	1.1284964 02
3.1600002 01	8.2752213 01	2.2819712 01	1.0557192 02
3.1700002 01	5.7573123 01	2.0601350 01	7.8174473 01
3.1800002 01	3.2291196 01	1.8005380 01	5.0296577 01
3.2000002 01	7.0004509 00	1.4954710 01	2.1955161 01
3.2200002 01	2.3666083 00	1.4120061 01	1.6486668 01
3.2400001 01	1.6783379 00	1.3820475 01	1.5498813 01
3.2600002 01	1.8972756 00	1.3621458 01	1.5518734 01
3.2700002 01	2.7930571 00	1.3540288 01	1.6333346 01
3.2800001 01	5.1186017 00	1.3488175 01	1.8606777 01
3.2900002 01	9.7326325 00	1.3500011 01	2.3232644 01
3.3000002 01	1.6438915 01	1.3606625 01	3.0045540 01
3.3100002 01	2.2896810 01	1.3787342 01	3.6684151 01
3.3140002 01	2.4591485 01	1.3861436 01	3.8452921 01
3.3200002 01	2.5571311 01	1.3951339 01	3.9522650 01
3.3260002 01	2.4493844 01	1.3997356 01	3.8491199 01
3.3300002 01	2.2748913 01	1.3998175 01	3.6747089 01
3.3400002 01	1.6246346 01	1.3904242 01	3.0150589 01
3.3500002 01	9.5735420 00	1.3731631 01	2.3305173 01
3.3600002 01	4.9821891 00	1.3558788 01	1.8540977 01
3.3700002 01	2.6284405 00	1.3424214 01	1.6052654 01
3.3800002 01	1.6630356 00	1.3327246 01	1.4990281 01
3.4000002 01	1.1912658 00	1.3192476 01	1.4383742 01
3.4200002 01	1.1268370 00	1.3084805 01	1.4211642 01
3.4400002 01	1.1405130 00	1.2984226 01	1.4124739 01
3.4800002 01	1.2894499 00	1.2783190 01	1.4072639 01
3.5000002 01	1.4278848 00	1.2677859 01	1.4105744 01
3.5200002 01	1.6284822 00	1.2567623 01	1.4196106 01
3.5400001 01	1.9246539 00	1.2452792 01	1.4377446 01
3.5600002 01	2.3835297 00	1.2337312 01	1.4720842 01
3.5800001 01	3.1606520 00	1.2237744 01	1.5398395 01
3.6000002 01	4.7885010 00	1.2244953 01	1.7033454 01
3.6100002 01	6.6462315 00	1.2452507 01	1.9098739 01
3.6200002 01	1.0744463 01	1.3195061 01	2.3939524 01
3.6300002 01	2.0279844 01	1.5360614 01	3.5640457 01
3.6400002 01	4.0638572 01	2.0543369 01	6.1181941 01
3.6500002 01	7.6960365 01	3.0478659 01	1.0743902 02
3.6600002 01	1.2832448 02	4.5498783 01	1.7382326 02
3.6700002 01	1.8444521 02	6.3576495 01	2.4802170 02
3.6740002 01	2.0516383 02	7.1023613 01	2.7618745 02
3.6800002 01	2.3270154 02	8.2131359 01	3.1483290 02
3.6830002 01	2.4484466 02	8.7682105 01	3.3252677 02
3.6860002 01	2.5606252 02	9.3280624 01	3.4934315 02
3.6900001 01	2.6990579 02	1.0088664 02	3.7079244 02
3.7000002 01	3.0067943 02	1.2043347 02	4.2111290 02
3.7100002 01	3.2124362 02	1.3676314 02	4.5800675 02
3.7140002 01	3.2283315 02	1.4035017 02	4.6318333 02
3.7200002 01	3.1426493 02	1.4070201 02	4.5496694 02
3.7230002 01	3.0444544 02	1.3831278 02	4.4275823 02
3.7260002 01	2.9094872 02	1.3419918 02	4.2514790 02
3.7300002 01	2.6779100 02	1.2625133 02	3.9404233 02
3.7400002 01	1.9334346 02	9.7935389 01	2.9127886 02
3.7500002 01	1.1804097 02	6.7385815 01	1.8542678 02
3.7600002 01	6.2499179 01	4.3920784 01	1.0641996 02
3.7700002 01	3.0556277 01	2.9862521 01	6.0418798 01
3.7800002 01	1.5355469 01	2.2786406 01	3.8141875 01
3.7900000 01	8.8537869 00	1.9483635 01	2.8337422 01
3.8000002 01	6.0284675 00	1.7855853 01	2.3884320 01
3.8200002 01	3.7867053 00	1.6290851 01	2.0077557 01
3.8400002 01	2.8405675 00	1.5453152 01	1.8293719 01
3.8600002 01	2.3419495 00	1.4892836 01	1.7234786 01
3.8800002 01	2.0741058 00	1.4474382 01	1.6548488 01
3.9000002 01	1.9583568 00	1.4137047 01	1.6095404 01

TABLE III (Continued) T = 0.1 ev

E_n(ev)	σ_γ(barns)	σ_s(barns)	σ_T(barns)
3.9200002 01	1.9743587 00	1.3848874 01	1.5823234 01
3.9400001 01	2.1496435 00	1.3593379 01	1.5743022 01
3.9600002 01	2.6048811 00	1.3372866 01	1.5977747 01
3.9800001 01	3.9095306 00	1.3296062 01	1.7205593 01
4.0000001 01	1.0111809 01	1.4509976 01	2.4621785 01
4.0100002 01	2.0170490 01	1.7232501 01	3.7402991 01
4.0200001 01	4.0456981 01	2.3304346 01	6.3761327 01
4.0300002 01	7.3883068 01	3.3968365 01	1.0785144 02
4.0400002 01	1.1624538 02	4.8248940 01	1.6449432 02
4.0500002 01	1.5351452 02	6.1772936 01	2.1528746 02
4.0600002 01	1.6831039 02	6.8580506 01	2.3689089 02
4.0700002 01	1.5281117 02	6.5406879 01	2.1821805 02
4.0800002 01	1.1534536 02	5.4312255 01	1.6965761 02
4.0900001 01	7.3275014 01	4.0787224 01	1.1406224 02
4.1000002 01	4.0245658 01	2.9571317 01	6.9816975 01
4.1100002 01	2.0192775 01	2.2360158 01	4.2552934 01
4.1200002 01	1.0203409 01	1.8471669 01	2.8675078 01
4.1300001 01	5.8457932 00	1.6545439 01	2.2391233 01
4.1400002 01	4.0220482 00	1.5556498 01	1.9578546 01
4.1500002 01	3.2121714 00	1.4970165 01	1.8182336 01
4.1700001 01	2.6386492 00	1.4232474 01	1.6871123 01
4.1900002 01	2.7521399 00	1.3698741 01	1.6450882 01
4.2000002 01	3.1914737 00	1.3476641 01	1.6668114 01
4.2100002 01	4.3310760 00	1.3335849 01	1.7666925 01
4.2200002 01	7.1930127 00	1.3447604 01	2.0640617 01
4.2300002 01	1.3792693 01	1.4206615 01	2.7999308 01
4.2400001 01	2.6851544 01	1.6236610 01	4.3088154 01
4.2450002 01	3.6411974 01	1.7915260 01	5.4327235 01
4.2500002 01	4.7882677 01	2.0067325 01	6.7950001 01
4.2600002 01	7.4021858 01	2.5452353 01	9.9474211 01
4.2700002 01	9.6752826 01	3.0891610 01	1.2764444 02
4.2740002 01	1.0249456 02	3.2579213 01	1.3507377 02
4.2800001 01	1.0591582 02	3.4178573 01	1.4009440 02
4.2860002 01	1.0268867 02	3.4451266 01	1.3713994 02
4.2900002 01	9.7190651 01	3.3892454 01	1.3108311 02
4.3000002 01	7.5984592 01	3.0488220 01	1.0647281 02
4.3100002 01	5.3629479 01	2.5872565 01	7.9502045 01
4.3200002 01	3.9900081 01	2.1991349 01	6.1891429 01
4.3300002 01	3.8260922 01	1.9795999 01	5.8056921 01
4.3400002 01	4.5599591 01	1.9159519 01	6.4759110 01
4.3500002 01	5.4700547 01	1.9335289 01	7.4035836 01
4.3540002 01	5.7087210 01	1.9437729 01	7.6524938 01
4.3570002 01	5.8050262 01	1.9482815 01	7.7533076 01
4.3600002 01	5.8200781 01	1.9484958 01	7.7685740 01
4.3630001 01	5.7499816 01	1.9434692 01	7.6934507 01
4.3700002 01	5.2703342 01	1.9093532 01	7.1796874 01
4.3800002 01	4.0329214 01	1.8143144 01	5.8472358 01
4.3900001 01	2.6322246 01	1.6962490 01	4.3284736 01
4.4000002 01	1.5084546 01	1.5905884 01	3.0990430 01
4.4100002 01	8.1384594 00	1.5140473 01	2.3278932 01
4.4200002 01	4.7878351 00	1.4649324 01	1.9437159 01
4.4300002 01	3.7121885 00	1.4342966 01	1.8055155 01
4.4400002 01	3.8854440 00	1.4145695 01	1.8031139 01
4.4500002 01	4.6297502 00	1.4017337 01	1.8647086 01
4.4550002 01	5.0412815 00	1.3972435 01	1.9013717 01
4.4600002 01	5.3927775 00	1.3937409 01	1.9330186 01
4.4640002 01	5.5944184 00	1.3914746 01	1.9509165 01
4.4700002 01	5.7213125 00	1.3886165 01	1.9607477 01
4.4760002 01	5.6233433 00	1.3859579 01	1.9482922 01
4.4800002 01	5.4495964 00	1.3840913 01	1.9290510 01
4.4900001 01	4.8377769 00	1.3787815 01	1.8625591 01
4.5000002 01	4.5186116 00	1.3738946 01	1.8257558 01
4.5100002 01	5.4087355 00	1.3747243 01	1.9155979 01

TABLE III (Continued) T = 0.1 ev

E_n(ev)	σ_γ(barns)	σ_s(barns)	σ_T(barns)
4.5200002 01	8.7142212 00	1.3914739 01	2.2628960 01
4.5300001 01	1.5728847 01	1.4373350 01	3.0102197 01
4.5400002 01	2.6914694 01	1.5203602 01	4.2118295 01
4.5500002 01	4.0496441 01	1.6305129 01	5.6801570 01
4.5600002 01	5.2069296 01	1.7336674 01	6.9405970 01
4.5640002 01	5.4953099 01	1.7627809 01	7.2580908 01
4.5670002 01	5.6211891 01	1.7776701 01	7.3988592 01
4.5700002 01	5.6627420 01	1.7858140 01	7.4485559 01
4.5730002 01	5.6181691 01	1.7868445 01	7.4050136 01
4.5760002 01	5.4898506 01	1.7807365 01	7.2705871 01
4.5800002 01	5.2000286 01	1.7620850 01	6.9621136 01
4.5900002 01	4.0540246 01	1.6748960 01	5.7289207 01
4.6000002 01	2.7348634 01	1.5634457 01	4.2983092 01
4.6100002 01	1.6967559 01	1.4669821 01	3.1637379 01
4.6200002 01	1.1645770 01	1.4080610 01	2.5726379 01
4.6250002 01	1.1082179 01	1.3956117 01	2.5038296 01
4.6300002 01	1.1932416 01	1.3952679 01	2.5885094 01
4.6400001 01	1.7839731 01	1.4325617 01	3.2165348 01
4.6500002 01	2.8777794 01	1.5190973 01	4.3968767 01
4.6600002 01	4.2354395 01	1.6380880 01	5.8735275 01
4.6700002 01	5.3910515 01	1.7501443 01	7.1411959 01
4.6740002 01	5.6771814 01	1.7818992 01	7.4590806 01
4.6800001 01	5.8397115 01	1.8073315 01	7.6470429 01
4.6860002 01	5.6598361 01	1.8025055 01	7.4623417 01
4.6900002 01	5.3636116 01	1.7828096 01	7.1464213 01
4.7000002 01	4.1901742 01	1.6892935 01	5.8794676 01
4.7100002 01	2.8154745 01	1.5677496 01	4.3832241 01
4.7200001 01	1.6703345 01	1.4583453 01	3.1286798 01
4.7300002 01	9.2752079 00	1.3804955 01	2.3080163 01
4.7400002 01	5.4102365 00	1.3332586 01	1.8742823 01
4.7500002 01	3.8900216 00	1.3068245 01	1.6958266 01
4.7600002 01	3.7640372 00	1.2921745 01	1.6685782 01
4.7700002 01	4.5804668 00	1.2845704 01	1.7426171 01
4.7800002 01	6.1239334 00	1.2829533 01	1.8953466 01
4.7900001 01	8.0599488 00	1.2879532 01	2.0939481 01
4.8000002 01	9.7965110 00	1.2999721 01	2.2796232 01
4.8040002 01	1.0286394 01	1.3066308 01	2.3352702 01
4.8100002 01	1.0708023 01	1.3184208 01	2.3892230 01
4.8160002 01	1.0732789 01	1.3323326 01	2.4056115 01
4.8200002 01	1.0552265 01	1.3429329 01	2.3981595 01
4.8300001 01	9.6854451 00	1.3764456 01	2.3449900 01
4.8400002 01	8.8809350 00	1.4300626 01	2.3181561 01
4.8500002 01	9.0171227 00	1.5330586 01	2.4347708 01
4.8600002 01	1.1100521 01	1.7579601 01	2.8680122 01
4.8800002 01	2.9574788 01	3.4171720 01	6.3746509 01
4.9000002 01	9.6557398 01	9.7309880 01	1.9386728 02
4.9100002 01	1.5618368 02	1.5550249 02	3.1168617 02
4.9200002 01	2.2336314 02	2.2282665 02	4.4618978 02
4.9300002 01	2.7795119 02	2.7985607 02	5.5780725 02
4.9340002 01	2.9122673 02	2.9474642 02	5.8597314 02
4.9400001 01	2.9875607 02	3.0520817 02	6.0396425 02
4.9460002 01	2.9052175 02	3.0023687 02	5.9075861 02
4.9500002 01	2.7685695 02	2.8875245 02	5.6560940 02
4.9600002 01	2.2179583 02	2.3844009 02	4.6023591 02
4.9700002 01	1.5484912 02	1.7447522 02	3.2932435 02
4.9800002 01	9.5758907 01	1.1647261 02	2.1223151 02
5.0000001 01	2.9285599 01	4.8896208 01	7.8181807 01
5.0200002 01	1.0042838 01	2.7603387 01	3.7846225 01
5.0400000 01	5.4228079 00	2.1765691 01	2.7188498 01
5.0600002 01	4.6182614 00	1.9245045 01	2.3863307 01
5.0700002 01	5.2000854 00	1.8446006 01	2.3646091 01
5.0800002 01	6.4024141 00	1.7831704 01	2.4234119 01
5.1000002 01	9.2549196 00	1.7004902 01	2.6259821 01

TABLE III (Continued) T = 0.1 ev

E_n(ev)	σ_γ(barns)	σ_s(barns)	σ_T(barns)
5.1040002 01	9.5868831 00	1.6884139 01	2.6471022 01
5.1100002 01	9.7972032 00	1.6718482 01	2.6515685 01
5.1160002 01	9.6517642 00	1.6563923 01	2.6215687 01
5.1200002 01	9.3823261 00	1.6463735 01	2.5846062 01
5.1250002 01	8.9069435 00	1.6339508 01	2.5246451 01
5.1300002 01	8.3512767 00	1.6215617 01	2.4566893 01
5.1400002 01	7.3037254 00	1.5971984 01	2.3275710 01
5.1450002 01	6.9161987 00	1.5855879 01	2.2772078 01
5.1500002 01	6.6404386 00	1.5746198 01	2.2386637 01
5.1600002 01	6.3229035 00	1.5550249 01	2.1873153 01
5.1640002 01	6.2222385 00	1.5480420 01	2.1702660 01
5.1700002 01	6.0323041 00	1.5382837 01	2.1415141 01
5.1730002 01	5.9075635 00	1.5336385 01	2.1243948 01
5.1760002 01	5.7604003 00	1.5290913 01	2.1051314 01
5.1800002 01	5.5327623 00	1.5231152 01	2.0763914 01
5.1850002 01	5.2154071 00	1.5156854 01	2.0372261 01
5.1900001 01	4.8962363 00	1.5082320 01	1.9978556 01
5.2000002 01	4.4215343 00	1.4933566 01	1.9355101 01
5.2050002 01	4.3325818 00	1.4861547 01	1.9194128 01
5.2100002 01	4.3594030 00	1.4793138 01	1.9152540 01
5.2150002 01	4.4884415 00	1.4729771 01	1.9218212 01
5.2200002 01	4.6866437 00	1.4672409 01	1.9359053 01
5.2250002 01	4.9072113 00	1.4621313 01	1.9528524 01
5.2300001 01	5.0980075 00	1.4575961 01	1.9673968 01
5.2340001 01	5.1965118 00	1.4542997 01	1.9739509 01
5.2400002 01	5.2102738 00	1.4496992 01	1.9707266 01
5.2430002 01	5.1473204 00	1.4474611 01	1.9621931 01
5.2460002 01	5.0366258 00	1.4452081 01	1.9488707 01
5.2500002 01	4.8192221 00	1.4421154 01	1.9240377 01
5.2550002 01	4.4530851 00	1.4380078 01	1.8833164 01
5.2600002 01	4.0149597 00	1.4335476 01	1.8350435 01
5.2700001 01	3.0873653 00	1.4235051 01	1.7322417 01
5.2800002 01	2.3350642 00	1.4123217 01	1.6458282 01
5.2900002 01	1.9442285 00	1.4007167 01	1.5951395 01
5.3000002 01	1.9896329 00	1.3894228 01	1.5883861 01
5.3100002 01	2.4769701 00	1.3791231 01	1.6268202 01
5.3200002 01	3.3331716 00	1.3704849 01	1.7038021 01
5.3300002 01	4.3520771 00	1.3639662 01	1.7991739 01
5.3400001 01	5.1963762 00	1.3593989 01	1.8790365 01
5.3440002 01	5.4051881 00	1.3579137 01	1.8984325 01
5.3500002 01	5.5300540 00	1.3557601 01	1.9087655 01
5.3560002 01	5.4146458 00	1.3533870 01	1.8948516 01
5.3600002 01	5.2130443 00	1.3515286 01	1.8728330 01
5.3700002 01	4.3910555 00	1.3454767 01	1.7845823 01
5.3800001 01	3.3928950 00	1.3372636 01	1.6765532 01
5.3900002 01	2.5281373 00	1.3273839 01	1.5801976 01
5.4000002 01	1.9510891 00	1.3166369 01	1.5117458 01
5.4200001 01	1.5844819 00	1.2945831 01	1.4530313 01
5.4400002 01	1.8238032 00	1.2722652 01	1.4546455 01
5.4600002 01	2.7125802 00	1.2514095 01	1.5226676 01
5.4800002 01	6.3726598 00	1.2630921 01	1.9003580 01
5.5000001 01	2.1503472 01	1.5005389 01	3.6508861 01
5.5100002 01	3.8485361 01	1.8621090 01	5.7106451 01
5.5200002 01	6.3552323 01	2.4865047 01	8.8417370 01
5.5300001 01	9.4596544 01	3.3718720 01	1.2831527 02
5.5340001 01	1.0739240 02	3.7724705 01	1.4511710 02
5.5400002 01	1.2526093 02	4.3759967 01	1.6902090 02
5.5430001 01	1.3303019 02	4.6611822 01	1.7964201 02
5.5500002 01	1.4642426 02	5.2237890 01	1.9866217 02
5.5570002 01	1.5127733 02	5.5639540 01	2.0691687 02
5.5600002 01	1.5042746 02	5.6244358 01	2.0667182 02
5.5630002 01	1.4782523 02	5.6302447 01	2.0412768 02
5.5660002 01	1.4355956 02	5.5817421 01	1.9937700 02

TABLE III (Continued) T = 0.1 ev

E_n(ev)	σ_γ(barns)	σ_s(barns)	σ_T(barns)
5.5700002 01	1.3554849 02	5.4371193 01	1.8991968 02
5.5800002 01	1.0720641 02	4.7564887 01	1.5477130 02
5.5900002 01	7.4768655 01	3.8459448 01	1.1322810 02
5.6000001 01	4.6524232 01	2.9794027 01	7.6318259 01
5.6100002 01	2.6507893 01	2.3178453 01	4.9686346 01
5.6200002 01	1.4621714 01	1.8891086 01	3.3512801 01
5.6300002 01	8.7264458 00	1.6425381 01	2.5151826 01
5.6400001 01	6.7078308 00	1.5142238 01	2.1850069 01
5.6500002 01	7.5639737 00	1.4655500 01	2.2219474 01
5.6600002 01	1.1625019 01	1.4946889 01	2.6571908 01
5.6700002 01	2.0170755 01	1.6307673 01	3.6478429 01
5.6800002 01	3.4408564 01	1.9120342 01	5.3528905 01
5.6900002 01	5.3871581 01	2.3470848 01	7.7342429 01
5.7000002 01	7.5071759 01	2.8748436 01	1.0382019 02
5.7100002 01	9.1863559 01	3.3586903 01	1.2545047 02
5.7140002 01	9.5891652 01	3.5029655 01	1.3092131 02
5.7200002 01	9.8150067 01	3.6391656 01	1.3454172 02
5.7260002 01	9.5615096 01	3.6652635 01	1.3226773 02
5.7300002 01	9.1422692 01	3.6207505 01	1.2763020 02
5.7400001 01	7.4348369 01	3.3273602 01	1.0762197 02
5.7500002 01	5.3046311 01	2.8813480 01	8.1859791 01
5.7600002 01	3.3547314 01	2.4268678 01	5.7815993 01
5.7700002 01	1.9190094 01	2.0603652 01	3.9793746 01
5.7800001 01	1.0319994 01	1.8100136 01	2.8420130 01
5.7900002 01	5.5724416 00	1.6572222 01	2.2144664 01
5.8000001 01	3.2855323 00	1.5685629 01	1.8971161 01
5.8200002 01	1.7364654 00	1.4816327 01	1.6552792 01
5.8400002 01	1.3080973 00	1.4371952 01	1.5680049 01
5.8600001 01	1.1180032 00	1.4063660 01	1.5181663 01
5.8800000 01	1.0174960 00	1.3818536 01	1.4836032 01
5.9000000 01	9.7148189-01	1.3608018 01	1.4579500 01
5.9200001 01	9.7961560-01	1.3415532 01	1.4395147 01
5.9400001 01	1.1253322 00	1.3229108 01	1.4354440 01
5.9600001 01	1.9490280 00	1.3053968 01	1.5002996 01
5.9700001 01	3.1489090 00	1.2993139 01	1.6142048 01
5.9800001 01	5.3678260 00	1.2982352 01	1.8350178 01
5.9900002 01	8.8953242 00	1.3054944 01	2.1950268 01
6.0000001 01	1.3588727 01	1.3232192 01	2.6820919 01
6.0100000 01	1.8611543 01	1.3498267 01	3.2109810 01
6.0200002 01	2.2554177 01	1.3787814 01	3.6341992 01
6.0240002 01	2.3502400 01	1.3888783 01	3.7391183 01
6.0300000 01	2.4051436 01	1.4005060 01	3.8056497 01
6.0360001 01	2.3500009 01	1.4065392 01	3.7565401 01
6.0400000 01	2.2559456 01	1.4070265 01	3.6629720 01
6.0500001 01	1.8703933 01	1.3962031 01	3.2665963 01
6.0600000 01	1.3916402 01	1.3723990 01	2.7640392 01
6.0700002 01	9.6541376 00	1.3433934 01	2.3088072 01
6.0800000 01	6.7765451 00	1.3162768 01	1.9939314 01
6.0900002 01	5.3875500 00	1.2950432 01	1.8337982 01
6.1000001 01	5.0566670 00	1.2804971 01	1.7861639 01
6.1100002 01	5.1593698 00	1.2713515 01	1.7872885 01
6.1140002 01	5.1951829 00	1.2687239 01	1.7882421 01
6.1200002 01	5.1651171 00	1.2654214 01	1.7819331 01
6.1260002 01	4.9975483 00	1.2624784 01	1.7622332 01
6.1300002 01	4.8050526 00	1.2605254 01	1.7410307 01
6.1400002 01	4.0964199 00	1.2551150 01	1.6647570 01
6.1500002 01	3.2382168 00	1.2485615 01	1.5723832 01
6.1600002 01	2.4537027 00	1.2410276 01	1.4863979 01
6.1800002 01	1.5291911 00	1.2251614 01	1.3780806 01
6.2000001 01	1.3172899 00	1.2105359 01	1.3422649 01
6.2200002 01	1.4421314 00	1.1974788 01	1.3416920 01
6.2400002 01	1.9415304 00	1.1860124 01	1.3801655 01
6.2500002 01	2.4697425 00	1.1814841 01	1.4284584 01

TABLE III (Continued) T = 0.1 ev

E_n(ev)	σ_γ(barns)	σ_s(barns)	σ_T(barns)
6.2600002 01	3.2574495 00	1.1786049 01	1.5043498 01
6.2700002 01	4.2764969 00	1.1782965 01	1.6059462 01
6.2800002 01	5.3783321 00	1.1814580 01	1.7192912 01
6.2900000 01	6.3206347 00	1.1887448 01	1.8208082 01
6.2940002 01	6.5985789 00	1.1929274 01	1.8527853 01
6.2970002 01	6.7598726 00	1.1965786 01	1.8725658 01
6.3000001 01	6.8785875 00	1.2007038 01	1.8885625 01
6.3060002 01	6.9905466 00	1.2105719 01	1.9096266 01
6.3100002 01	6.9825320 00	1.2185981 01	1.9168513 01
6.3200002 01	6.7880357 00	1.2462262 01	1.9250297 01
6.3300002 01	6.6418461 00	1.2935223 01	1.9577069 01
6.3400002 01	7.0173538 00	1.3842977 01	2.0860331 01
6.3500002 01	8.5523332 00	1.5725601 01	2.4277934 01
6.3600002 01	1.2269262 01	1.9712786 01	3.1982048 01
6.3800002 01	3.3995320 01	4.3363931 01	7.7359252 01
6.4000001 01	9.1278781 01	1.0896535 02	2.0024413 02
6.4100001 01	1.3342339 02	1.5885359 02	2.9227698 02
6.4200002 01	1.7630134 02	2.1103464 02	3.8733598 02
6.4300000 01	2.0881588 02	2.5249677 02	4.6131266 02
6.4340000 01	2.1648077 02	2.6311227 02	4.7959304 02
6.4400001 01	2.2079657 02	2.7075722 02	4.9155378 02
6.4460002 01	2.1609354 02	2.6780057 02	4.8389411 02
6.4500002 01	2.0820632 02	2.6013504 02	4.6834135 02
6.4600002 01	1.7537106 02	2.2478249 02	4.0015355 02
6.4700002 01	1.3254776 02	1.7623254 02	3.0878029 02
6.4800001 01	9.0698038 01	1.2739805 02	2.1809608 02
6.5000001 01	3.3919257 01	5.8868159 01	9.2787415 01
6.5200001 01	1.2005408 01	3.0782300 01	4.2787707 01
6.5400002 01	5.7109442 00	2.1716101 01	2.7427046 01
6.5600001 01	3.7769209 00	1.8283489 01	2.2060410 01
6.5800000 01	2.9836439 00	1.6432318 01	1.9415962 01
6.5900001 01	2.7644101 00	1.5754097 01	1.8518507 01
6.6000001 01	2.6211434 00	1.5172546 01	1.7793689 01
6.6200002 01	2.5178849 00	1.4198254 01	1.6716139 01
6.6400002 01	2.6619465 00	1.3380506 01	1.6042453 01
6.6600001 01	3.2383051 00	1.2707045 01	1.5945351 01
6.6800000 01	5.2976820 00	1.2637359 01	1.7935041 01
6.7000002 01	1.3561402 01	1.5923052 01	2.9484454 01
6.7100002 01	2.3656390 01	2.1201685 01	4.4858075 01
6.7200002 01	4.0353095 01	3.0836682 01	7.1189777 01
6.7300000 01	6.4540804 01	4.5801505 01	1.1034231 02
6.7400001 01	9.4426998 01	6.5442983 01	1.5986998 02
6.7500001 01	1.2468274 02	8.6708905 01	2.1139165 02
6.7600000 01	1.4753776 02	1.0458220 02	2.5211996 02
6.7640000 01	1.5291586 02	1.0958825 02	2.6250414 02
6.7700002 01	1.5594243 02	1.1398856 02	2.6993099 02
6.7760002 01	1.5264345 02	1.1429378 02	2.6693722 02
6.7799999 01	1.4710771 02	1.1223431 02	2.5934202 02
6.7900002 01	1.2401483 02	1.0036585 02	2.2438068 02
6.8000001 01	9.3776078 01	8.2485210 01	1.7626129 02
6.8100001 01	6.4072075 01	6.3581565 01	1.2765364 02
6.8200002 01	4.0090785 01	4.7406301 01	8.7497086 01
6.8300000 01	2.3530269 01	3.5557092 01	5.9087361 01
6.8400002 01	1.3484506 01	2.7838321 01	4.1322828 01
6.8599999 01	5.1845777 00	2.0466747 01	2.5651325 01
6.8800001 01	3.0745463 00	1.7755192 01	2.0829738 01
6.9000002 01	2.4998612 00	1.6380845 01	1.8880706 01
6.9200001 01	2.6234766 00	1.5460340 01	1.8083816 01
6.9400001 01	4.3691040 00	1.4878420 01	1.9247525 01
6.9600001 01	1.0713665 01	1.4983822 01	2.5697487 01
6.9700001 01	1.6553641 01	1.5473553 01	3.2027194 01
6.9800000 01	2.3805555 01	1.6264380 01	4.0069936 01
6.9900001 01	3.1165523 01	1.7217373 01	4.8382896 01

TABLE III (Continued) T = 0.1 ev

E_n(ev)	σ_γ(barns)	σ_s(barns)	σ_T(barns)
7.0000002 01	3.6736835 01	1.8075701 01	5.4812537 01
7.0040002 01	3.8051746 01	1.8326607 01	5.6378352 01
7.0100002 01	3.8799787 01	1.8554556 01	5.7354343 01
7.0160002 01	3.8011001 01	1.8576485 01	5.6587486 01
7.0200002 01	3.6674336 01	1.8472025 01	5.5146363 01
7.0300001 01	3.1086374 01	1.7836345 01	4.8922719 01
7.0400001 01	2.3769222 01	1.6829677 01	4.0598899 01
7.0500002 01	1.6598894 01	1.5705131 01	3.2304026 01
7.0600000 01	1.0846086 01	1.4671760 01	2.5517846 01
7.0800000 01	4.6211730 00	1.3199096 01	1.7820269 01
7.1000002 01	2.9467027 00	1.2341638 01	1.5288340 01
7.1200002 01	2.9383366 00	1.1715762 01	1.4654099 01
7.1400001 01	4.0121392 00	1.1200229 01	1.5212368 01
7.1600002 01	8.3201269 00	1.1226448 01	1.9546575 01
7.1700002 01	1.3418533 01	1.1877072 01	2.5295604 01
7.1800000 01	2.1651025 01	1.3319543 01	3.4970567 01
7.1900002 01	3.3327444 01	1.5760967 01	4.9088411 01
7.2000002 01	4.7519716 01	1.9137007 01	6.6656722 01
7.2100001 01	6.1757371 01	2.2967774 01	8.4725146 01
7.2200001 01	7.2574909 01	2.6408711 01	9.8983620 01
7.2240001 01	7.5203997 01	2.7464293 01	1.0266829 02
7.2300000 01	7.6894681 01	2.8548702 01	1.0544339 02
7.2360002 01	7.5769185 01	2.8949738 01	1.0471892 02
7.2400002 01	7.3536145 01	2.8825864 01	1.0236201 02
7.2500002 01	6.3851653 01	2.7301591 01	9.1153244 01
7.2600002 01	5.1065257 01	2.4623996 01	7.5689254 01
7.2700002 01	3.8811022 01	2.1742575 01	6.0553597 01
7.2800000 01	2.9906802 01	1.9633601 01	4.9540403 01
7.2900001 01	2.6105483 01	1.9301957 01	4.5407441 01
7.3000002 01	2.8883430 01	2.2182419 01	5.1065849 01
7.3100000 01	4.0758646 01	3.0852500 01	7.1611146 01
7.3200002 01	6.6368255 01	4.9704543 01	1.1607280 02
7.3300000 01	1.1233661 02	8.4861907 01	1.9719851 02
7.3400002 01	1.8498894 02	1.4244707 02	3.2743601 02
7.3500002 01	2.8569223 02	2.2480327 02	5.1049550 02
7.3600001 01	4.0561066 02	3.2593758 02	7.3154823 02
7.3700002 01	5.2365422 02	4.2928309 02	9.5293732 02
7.3800000 01	6.1116576 02	5.1096356 02	1.1221293 03
7.3840000 01	6.3158384 02	5.3228607 02	1.1638699 03
7.3900002 01	6.4303868 02	5.4875195 02	1.1917907 03
7.3960002 01	6.3052570 02	5.4532151 02	1.1758472 03
7.4000002 01	6.0948742 02	5.3223081 02	1.1417182 03
7.4100002 01	5.2096895 02	4.6779685 02	9.8876580 02
7.4200002 01	4.0283280 02	3.7512474 02	7.7795753 02
7.4300001 01	2.8345824 02	2.7768954 02	5.6114778 02
7.4400001 01	1.8340239 02	1.9347191 02	3.7687430 02
7.4500002 01	1.1104339 02	1.3070737 02	2.4175077 02
7.4600000 01	6.4717356 01	8.9108208 01	1.5382556 02
7.4700002 01	3.7809097 01	6.3844374 01	1.0165347 02
7.4900002 01	1.5451116 01	4.0877038 01	5.6328153 01
7.5000002 01	1.1244069 01	3.5831575 01	4.7075644 01
7.5100001 01	8.7850458 00	3.2539904 01	4.1324950 01
7.5200002 01	7.2077322 00	3.0199109 01	3.7406841 01
7.5300000 01	6.1095963 00	2.8414618 01	3.4524215 01
7.5400000 01	5.3002766 00	2.6986386 01	3.2286662 01
7.5600002 01	4.2041693 00	2.4802008 01	2.9006177 01
7.5800001 01	3.5466095 00	2.3171498 01	2.6718108 01
7.6000002 01	3.2258815 00	2.1872943 01	2.5098824 01
7.6200002 01	3.4636162 00	2.0823395 01	2.4287011 01
7.6400002 01	5.6346727 00	2.0264953 01	2.5899625 01
7.6600001 01	1.4001281 01	2.1354784 01	3.5356065 01
7.6700002 01	2.2460965 01	2.3176499 01	4.5637464 01
7.6800000 01	3.4147346 01	2.6106652 01	6.0253992 01

TABLE III (Continued) T = 0.1 ev

E_n(ev)	σ_γ(barns)	σ_s(barns)	σ_T(barns)
7.6900001 01	4.7991958 01	2.9987836 01	7.7979794 01
7.7000002 01	6.1549004 01	3.4227930 01	9.5776935 01
7.7100002 01	7.1564410 01	3.7890385 01	1.0945479 02
7.7140002 01	7.3901594 01	3.8970113 01	1.1287171 02
7.7200007 01	7.5228779 01	4.0018281 01	1.1524706 02
7.7260000 01	7.3841685 01	4.0296698 01	1.1413838 02
7.7300001 01	7.1484711 01	4.0044765 01	1.1152947 02
7.7400002 01	6.1575458 01	3.8045395 01	9.9620852 01
7.7500002 01	4.8473570 01	3.4674831 01	8.3148402 01
7.7600000 01	3.5565946 01	3.0841826 01	6.6407772 01
7.7700001 01	2.5382875 01	2.7335138 01	5.2718013 01
7.7800000 01	1.8976110 01	2.4601710 01	4.3577819 01
7.7900002 01	1.6015458 01	2.2732471 01	3.8747928 01
7.8000002 01	1.5314674 01	2.1582613 01	3.6897287 01
7.8100001 01	1.5448441 01	2.0916801 01	3.6365243 01
7.8140001 01	1.5458195 01	2.0734294 01	3.6192490 01
7.8200002 01	1.5254158 01	2.0512361 01	3.5766519 01
7.8260000 01	1.4701634 01	2.0325291 01	3.5026924 01
7.8300000 01	1.4125391 01	2.0208735 01	3.4334127 01
7.8400001 01	1.2055996 01	1.9917666 01	3.1973662 01
7.8500002 01	9.4587625 00	1.9610635 01	2.9069397 01
7.8600002 01	6.8719078 00	1.9295737 01	2.6167641 01
7.8700002 01	4.7058780 00	1.8993875 01	2.3699753 01
7.8800000 01	3.1338262 00	1.8722265 01	2.1856091 01
7.9000002 01	1.5330345 00	1.8288333 01	1.9821368 01
7.9200001 01	1.0407732 00	1.7967137 01	1.9007910 01
7.9400002 01	8.9158704-01	1.7707766 01	1.8599353 01
7.9600002 01	8.4353818-01	1.7480825 01	1.8324363 01
7.9800000 01	9.0997930-01	1.7272301 01	1.8182281 01
8.0000002 01	1.3430199 00	1.7079571 01	1.8422591 01
8.0100000 01	1.8641417 00	1.6994385 01	1.8858527 01
8.0200002 01	2.6833169 00	1.6923582 01	1.9606898 01
8.0300000 01	3.8067764 00	1.6873585 01	2.0680362 01
8.0400002 01	5.1276281 00	1.6848451 01	2.1976079 01
8.0500002 01	6.4120148 00	1.6846274 01	2.3258289 01
8.0600001 01	7.3539208 00	1.6857362 01	2.4211283 01
8.0640001 01	7.5715044 00	1.6862116 01	2.4433621 01
8.0700002 01	7.6905954 00	1.6866181 01	2.4556776 01
8.0760000 01	7.5509243 00	1.6863589 01	2.4414513 01
8.0800000 01	7.3204713 00	1.6856853 01	2.4177324 01
8.0900002 01	6.3517745 00	1.6819438 01	2.3171212 01
8.1000002 01	5.0497193 00	1.6753306 01	2.1803025 01
8.1100002 01	3.7177762 00	1.6665930 01	2.0383706 01
8.1200002 01	2.5846867 00	1.6568395 01	1.9153081 01
8.1400001 01	1.2153334 00	1.6378749 01	1.7594082 01
8.1600000 01	7.3764333-01	1.6218306 01	1.6955949 01
8.1800002 01	6.1520887-01	1.6080693 01	1.6695902 01
8.2000002 01	5.8660172-01	1.5953842 01	1.6540444 01
8.2200002 01	5.8273107-01	1.5830851 01	1.6413582 01
8.2400001 01	5.9151737-01	1.5707902 01	1.6299420 01
8.3000002 01	7.3024249-01	1.5304967 01	1.6035210 01
8.3400002 01	1.6839689 00	1.4974674 01	1.6658643 01
8.3600001 01	4.4716925 00	1.4896328 01	1.9368020 01
8.3700002 01	7.5050647 00	1.4973501 01	2.2478566 01
8.3800000 01	1.2078856 01	1.5192602 01	2.7271457 01
8.3900001 01	1.8165616 01	1.5588787 01	3.3754403 01
8.4000002 01	2.5167554 01	1.6154477 01	4.1322031 01
8.4100002 01	3.1877283 01	1.6818793 01	4.8696076 01
8.4200002 01	3.6769499 01	1.7453250 01	5.4222749 01
8.4300000 01	3.8556710 01	1.7909898 01	5.6466609 01
8.4400002 01	3.6747155 01	1.8077852 01	5.4825007 01
8.4500002 01	3.1869030 01	1.7927114 01	4.9796144 01
8.4600001 01	2.5226759 01	1.7515017 01	4.2741776 01

TABLE III (Continued) T = 0.1 ev

E_n(ev)	σ_γ(barns)	σ_s(barns)	σ_T(barns)
8.4700001 01	1.8340520 01	1.6953819 01	3.5294338 01
8.4800000 01	1.2401478 01	1.6361636 01	2.8763113 01
8.4900002 01	8.0032555 00	1.5824974 01	2.3828230 01
8.5000002 01	5.1981603 00	1.5388699 01	2.0586858 01
8.5100002 01	3.7497247 00	1.5072818 01	1.8822542 01
8.5200002 01	3.4137545 00	1.4906440 01	1.8320194 01
8.5300000 01	4.1485480 00	1.4969557 01	1.9118105 01
8.5400001 01	6.2261185 00	1.5432951 01	2.1659069 01
8.5500002 01	1.0231323 01	1.6577699 01	2.6809022 01
8.5600000 01	1.6908300 01	1.8761899 01	3.5670199 01
8.5650002 01	2.1443069 01	2.0349496 01	4.1792565 01
8.5700002 01	2.6813289 01	2.2302103 01	4.9115392 01
8.5800000 01	3.9823474 01	2.7273294 01	6.7096767 01
8.5900002 01	5.4717768 01	3.3304336 01	8.8022104 01
8.6000002 01	6.9148930 01	3.9505919 01	1.0865485 02
8.6100001 01	8.0216276 01	4.4647769 01	1.2486405 02
8.6140001 01	8.3116897 01	4.6134358 01	1.2925125 02
8.6200002 01	8.5493292 01	4.7569933 01	1.3306322 02
8.6260000 01	8.5394064 01	4.7963129 01	1.3335719 02
8.6300000 01	8.3994974 01	4.7640901 01	1.3163588 02
8.6400002 01	7.6524105 01	4.5009973 01	1.2153408 02
8.6500002 01	6.5200192 01	4.0507352 01	1.0570755 02
8.6600002 01	5.2497846 01	3.5264342 01	8.7762188 01
8.6700002 01	4.0381717 01	3.0282563 01	7.0664280 01
8.6800001 01	2.9935427 01	2.6167400 01	5.6102827 01
8.6900001 01	2.1486543 01	2.3099018 01	4.4585561 01
8.7000002 01	1.4941713 01	2.0966605 01	3.5908318 01
8.7100000 01	1.0062492 01	1.9540254 01	2.9602746 01
8.7200002 01	6.5849565 00	1.8592958 01	2.5177914 01
8.7300002 01	4.7396380 00	1.7952695 01	2.2192333 01
8.7400002 01	2.7519707 00	1.7505596 01	2.0257566 01
8.7500002 01	1.8623454 00	1.7180968 01	1.9043313 01
8.7600001 01	1.3534546 00	1.6935348 01	1.8288803 01
8.7800000 01	9.0087504-01	1.6583115 01	1.7483989 01
8.8000002 01	7.2798127-01	1.6332292 01	1.7060274 01
8.8400002 01	5.7627969-01	1.5973792 01	1.6550071 01
8.9000002 01	4.8222227-01	1.5601230 01	1.6083452 01
8.9500002 01	4.5115744-01	1.5359821 01	1.5810978 01
9.0000002 01	4.4420529-01	1.5146926 01	1.5591131 01
9.0400002 01	4.5383177-01	1.4984902 01	1.5438734 01
9.1000002 01	5.0109791-01	1.4738406 01	1.5239504 01
9.1400002 01	5.7050937-01	1.4560192 01	1.5130701 01
9.1800000 01	7.0732085-01	1.4358920 01	1.5066241 01
9.2000002 01	8.3014276-01	1.4246344 01	1.5076486 01
9.2200002 01	1.0399415 00	1.4129561 01	1.5169502 01
9.2400001 01	1.5054116 00	1.4050204 01	1.5555615 01
9.2600000 01	2.9546649 00	1.4256417 01	1.7211082 01
9.2800000 01	7.9128468 00	1.5734185 01	2.3647032 01
9.3000002 01	2.1809397 01	2.0822327 01	4.2631724 01
9.3100001 01	3.3790916 01	2.5560364 01	5.9351282 01
9.3200002 01	4.8897262 01	3.1804362 01	8.0701624 01
9.3300000 01	6.5533221 01	3.9000772 01	1.0453400 02
9.3400002 01	8.0955985 01	4.6070233 01	1.2702622 02
9.3500002 01	9.1939191 01	5.1641181 01	1.4358037 02
9.3600002 01	9.5865415 01	5.4491784 01	1.5035720 02
9.3700002 01	9.1749683 01	5.4008273 01	1.4575796 02
9.3800001 01	8.0645342 01	5.0420320 01	1.3106566 02
9.3900001 01	6.5201064 01	4.4685494 01	1.0988656 02
9.4000002 01	4.8628714 01	3.8097716 01	8.6726430 01
9.4100000 01	3.3624544 01	3.1830974 01	6.5455519 01
9.4200002 01	2.1739312 01	2.6637596 01	4.8376908 01
9.4400002 01	1.9373955 00	2.0158143 01	2.8095538 01
9.4600001 01	2.9819596 00	1.7454109 01	2.0436069 01

TABLE III (Continued) T = 0.1 ev

E_n(ev)	σ_γ(barns)	σ_s(barns)	σ_T(barns)
9.4800000 01	1.5232770 00	1.6406613 01	1.7929890 01
9.5000002 01	1.0575381 00	1.5909990 01	1.6967529 01
9.5200002 01	8.5250202-01	1.5598143 01	1.6450645 01
9.5400002 01	7.3627785-01	1.5366223 01	1.6102501 01
9.5600000 01	6.6340509-01	1.5178145 01	1.5841550 01
9.5800000 01	6.1676959-01	1.5016911 01	1.5633680 01
9.6000002 01	5.8821679-01	1.4872615 01	1.5460832 01
9.6400001 01	5.7177399-01	1.4610111 01	1.5181885 01
9.7000002 01	6.6707884-01	1.4213566 01	1.4880645 01
9.7200001 01	7.9163760-01	1.4063976 01	1.4855614 01
9.7400002 01	1.1698632 00	1.3922146 01	1.5092008 01
9.7600002 01	2.5232769 00	1.3918432 01	1.6441709 01
9.7800000 01	6.7569931 00	1.4487219 01	2.1244211 01
9.8000002 01	1.6450365 01	1.6375637 01	3.2826003 01
9.8100000 01	2.3432468 01	1.7947895 01	4.1380363 01
9.8200002 01	3.1011431 01	1.9817144 01	5.0828575 01
9.8300000 01	3.7960681 01	2.1725581 01	5.9686262 01
9.8400002 01	4.2874017 01	2.3330158 01	6.6204175 01
9.8440002 01	4.3997407 01	2.3810740 01	6.7808146 01
9.8500002 01	4.4627827 01	2.4305664 01	6.8933491 01
9.8560001 01	4.3952014 01	2.4500251 01	6.8452265 01
9.8600001 01	4.2801822 01	2.4458087 01	6.7259910 01
9.8700002 01	3.7845432 01	2.3793593 01	6.1639025 01
9.8800000 01	3.0896657 01	2.2507301 01	5.3403958 01
9.8900002 01	2.3355431 01	2.0901402 01	4.4256833 01
9.9000002 01	1.6430299 01	1.9277519 01	3.5707818 01
9.9100002 01	1.0852957 01	1.7853193 01	2.8706149 01
9.9200002 01	6.8370447 00	1.6731193 01	2.3568238 01
9.9400001 01	2.6503470 00	1.5355111 01	1.8005459 01
9.9600000 01	1.3234543 00	1.4717967 01	1.6041422 01
9.9800002 01	9.7766947-01	1.4386774 01	1.5364444 01
1.0000002 02	8.9567783-01	1.4162729 01	1.5058408 01
1.0020002 02	8.9247907-01	1.3980487 01	1.4872966 01
1.0050002 02	9.6068553-01	1.3744797 01	1.4705483 01
1.0080002 02	1.1101358 00	1.3540897 01	1.4651033 01
1.0100002 02	1.2704868 00	1.3427850 01	1.4698337 01
1.0120002 02	1.5068631 00	1.3350037 01	1.4856900 01
1.0140002 02	1.8727867 00	1.3349621 01	1.5222408 01
1.0160002 02	2.5098867 00	1.3560144 01	1.6070031 01
1.0180002 02	3.8988041 00	1.4490773 01	1.8389577 01
1.0200002 02	7.7227162 00	1.8026784 01	2.5749500 01
1.0220002 02	1.8631380 01	2.9544696 01	4.8176075 01
1.0240002 02	4.4556088 01	5.8587655 01	1.0314374 02
1.0245002 02	5.4125125 01	6.9569953 01	1.2369108 02
1.0250002 02	6.4884570 01	8.2031692 01	1.4691626 02
1.0260002 02	8.9179081 01	1.1062707 02	1.9980615 02
1.0270002 02	1.1481935 02	1.4156252 02	2.5638187 02
1.0280002 02	1.3785305 02	1.7037873 02	3.0823179 02
1.0290002 02	1.5392279 02	1.9194993 02	3.4587272 02
1.0294002 02	1.5757487 02	1.9753007 02	3.5510494 02
1.0300002 02	1.5962212 02	2.0201640 02	3.6163852 02
1.0306002 02	1.5743034 02	2.0159757 02	3.5902790 02
1.0310002 02	1.5369261 02	1.9862418 02	3.5231679 02
1.0320002 02	1.3748639 02	1.8279675 02	3.2028314 02
1.0330002 02	1.1446324 02	1.5811701 02	2.7258026 02
1.0340002 02	8.8970363 01	1.2943173 02	2.1840209 02
1.0350002 02	6.4917238 01	1.0133658 02	1.6625382 02
1.0360002 02	4.4874584 01	7.7059495 01	1.2193408 02
1.0370002 02	2.9857737 01	5.8087969 01	8.7945706 01
1.0380002 02	1.9668699 01	4.4448726 01	6.4117426 01
1.0390002 02	1.3487540 01	3.5318006 01	4.8805545 01
1.0400002 02	1.0422656 01	2.9630766 01	4.0053422 01
1.0410002 02	9.8631735 00	2.6497215 01	3.6360388 01

TABLE III (Continued) T = 0.1 ev

E_n(ev)	σ_γ(barns)	σ_s(barns)	σ_T(barns)
1.0420002 02	1.1602989 01	2.5385494 01	3.6988483 01
1.0430002 02	1.5767373 01	2.6113320 01	4.1880693 01
1.0440002 02	2.2583451 01	2.8707263 01	5.1290714 01
1.0450002 02	3.2048101 01	3.3181447 01	6.5229548 01
1.0460002 02	4.3594885 01	3.9298664 01	8.2893549 01
1.0470002 02	5.5905047 01	4.6399352 01	1.0230440 02
1.0480002 02	6.7022170 01	5.3398048 01	1.2042022 02
1.0490002 02	7.4805463 01	5.8989945 01	1.3379541 02
1.0494002 02	7.6583231 01	6.0560078 01	1.3714331 02
1.0500002 02	7.7599740 01	6.2021039 01	1.3962078 02
1.0506002 02	7.6585815 01	6.2319781 01	1.3890560 02
1.0510002 02	7.4826209 01	6.1864442 01	1.3669065 02
1.0520002 02	6.7211734 01	5.8627840 01	1.2583957 02
1.0530002 02	5.6532978 01	5.3091086 01	1.0962402 02
1.0540002 02	4.4995214 01	4.6410042 01	9.1405257 01
1.0550002 02	3.4538410 01	3.9736614 01	7.4275023 01
1.0560002 02	2.6350326 01	3.3918763 01	6.0269087 01
1.0570002 02	2.0730863 01	2.9376039 01	5.0106903 01
1.0580002 02	1.7268267 01	2.6141629 01	4.3409896 01
1.0590002 02	1.5185077 01	2.4001127 01	3.9186199 01
1.0600002 02	1.3688846 01	2.2643455 01	3.6332301 01
1.0603002 02	1.3261651 01	2.2342893 01	3.5604544 01
1.0606002 02	1.2824466 01	2.2078710 01	3.4903175 01
1.0610002 02	1.2214239 01	2.1772469 01	3.3986707 01
1.0620002 02	1.0513309 01	2.1164216 01	3.1677524 01
1.0630002 02	8.6117670 00	2.0679351 01	2.9291118 01
1.0640002 02	6.6885352 00	2.0248785 01	2.6937321 01
1.0650002 02	4.9473259 00	1.9849486 01	2.4796812 01
1.0660002 02	3.5277051 00	1.9481092 01	2.3008797 01
1.0680002 02	1.7585855 00	1.8858330 01	2.0616915 01
1.0700002 02	1.0272414 00	1.8389066 01	1.9416307 01
1.0750002 02	6.2701056-01	1.7624467 01	1.8251478 01
1.0800002 02	5.4263119-01	1.7104955 01	1.7647586 01
1.0850002 02	5.5644083-01	1.6665344 01	1.7221784 01
1.0900002 02	1.2775938 00	1.6254307 01	1.7531901 01
1.0930002 02	4.7651035 00	1.6443624 01	2.1208727 01
1.0950002 02	1.0690548 01	1.7335850 01	2.8026399 01
1.0970002 02	1.8969597 01	1.9023357 01	3.7992954 01
1.0990002 02	2.5416697 01	2.0849397 01	4.6266095 01
1.1000002 02	2.6348969 01	2.1442357 01	4.7791326 01
1.1010002 02	2.5363806 01	2.1662453 01	4.7026259 01
1.1030002 02	1.8860288 01	2.0942631 01	3.9802920 01
1.1050002 02	1.0597342 01	1.9270345 01	2.9867687 01
1.1070002 02	4.6962746 00	1.7434008 01	2.2130283 01
1.1100002 02	1.1938029 00	1.5179945 01	1.6373748 01
1.1150002 02	4.0655176-01	1.2857339 01	1.3263891 01
1.1200002 02	2.9020305-01	1.1419785 01	1.1709988 01
1.1250002 02	2.1538065-01	9.5705010 00	9.7858815 00
1.1300002 02	1.8262897-01	7.5788201 00	7.7614490 00
1.1350001 02	1.6777084-01	5.6842061 00	5.8519769 00
1.1400001 02	1.6294149-01	3.2278940 00	3.3908355 00

TABLE IV

Hf CROSS SECTIONS

Hf 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)
2.5300002-02	1.0189291 02	9.4910088 00	1.1138392 02
3.5000002-02	8.7517894 01	9.4427910 00	9.6960685 01
5.0000007-02	7.4405685 01	9.4087973 00	8.3814483 01
8.0000007-02	6.0799879 01	9.3886194 00	7.0188499 01
1.0000002-01	5.5636260 01	9.3883801 00	6.5024640 01
2.0000002-01	4.4567826 01	9.4407759 00	5.4008602 01
3.0000005-01	4.2126980 01	9.5486808 00	5.1675661 01
4.0000006-01	4.3474006 01	9.7216639 00	5.3195672 01
5.0000002-01	4.8274630 01	9.9969225 00	5.8221552 01
6.0000002-01	5.7844829 01	1.0454004 01	6.8298832 01
7.0000002-01	7.6916305 01	1.1281619 01	8.8197925 01
8.0000002-01	1.2027999 02	1.3040708 01	1.3332069 02
9.0000002-01	2.6229915 02	1.8362762 01	2.8066192 02
9.5000002-01	5.1746776 02	2.7265206 01	5.4473296 02
1.0000002 00	1.2704858 03	5.2090790 01	1.3225766 03
1.0400002 00	2.3907650 03	8.7360260 01	2.4781252 03
1.0700002 00	3.1875455 03	1.1105951 02	3.2986050 03
1.1000002 00	3.4589634 03	1.1716657 02	3.5761299 03
1.1300002 00	3.0391428 03	1.0146207 02	3.1406048 03
1.1600002 00	2.2074800 03	7.3711425 01	2.2811915 03
1.2000002 00	1.1650063 03	4.0471802 01	1.2054781 03
1.3000002 00	2.3654124 02	1.2657723 01	2.4919896 02
1.4000002 00	1.0525885 02	9.3654442 00	1.1462430 02
1.5000002 00	7.0496346 01	8.7727833 00	7.9269129 01
1.6000002 00	5.9248820 01	8.8627363 00	6.8111556 01
1.6500001 00	5.7815147 01	9.0683098 00	6.6883456 01
1.7000002 00	5.8420892 01	9.3847194 00	6.7805612 01
1.7500000 00	6.0952583 01	9.8359161 00	7.0788499 01
1.8000002 00	6.5563654 01	1.0465832 01	7.6029486 01
1.9000002 00	8.3239044 01	1.2606946 01	9.5845990 01
2.0000002 00	1.2231937 02	1.7322654 01	1.3964202 02
2.1000002 00	2.2908417 02	3.1062454 01	2.6014662 02
2.1500002 00	3.7746602 02	5.1419624 01	4.2888565 02
2.2000002 00	7.4371262 02	1.0400180 02	8.4771441 02
2.2500002 00	1.5842481 03	2.2876967 02	1.8130177 03
2.3000002 00	3.0076966 03	4.4576788 02	3.4534645 03
2.3200002 00	3.6373177 03	5.4375931 02	4.1810770 03
2.3500002 00	4.4298670 03	6.7013134 02	5.0999984 03
2.3800002 00	4.8186058 03	7.3727191 02	5.5558777 03
2.3900002 00	4.8299609 03	7.4180291 02	5.5718238 03
2.4000002 00	4.7796955 03	7.3704920 02	5.5167447 03
2.4400002 00	4.0451161 03	6.3491483 02	4.6800310 03
2.4500002 00	3.7654739 03	5.9408869 02	4.3595627 03
2.5000002 00	2.2511172 03	3.6749457 02	2.6186117 03
2.5500002 00	1.1165978 03	1.9308826 02	1.3096860 03
2.6000002 00	5.3236073 02	1.0089462 02	6.3325555 02
2.7000002 00	1.7625831 02	4.2020388 01	2.1827870 02
2.8000002 00	9.2803007 01	2.6953023 01	1.1975603 02
3.0000002 00	4.3012314 01	1.7045329 01	6.0057643 01
3.2000002 00	2.7183390 01	1.3419364 01	4.0602754 01
3.4000002 00	2.0366353 01	1.1583771 01	3.1950124 01
3.6000002 00	1.7046915 01	1.0477126 01	2.7524042 01
4.0000002 00	1.4822746 01	9.1934227 00	2.4016169 01
4.4000002 00	1.5683927 01	8.4804710 00	2.4164398 01
4.6000001 00	1.7175383 01	8.2602203 00	2.5435603 01
4.8000002 00	1.9748286 01	8.1365774 00	2.7884863 01
5.0000002 00	2.4374446 01	8.1559587 00	3.2530404 01
5.2000002 00	3.4746273 01	8.5070134 00	4.3253287 01
5.3000002 00	4.8585274 01	9.1772261 00	5.7762500 01
5.4000002 00	9.4034479 01	1.1904517 01	1.0593900 02
5.5000002 00	2.4596332 02	2.2444206 01	2.6840753 02
5.6000001 00	5.5141743 02	4.6512840 01	5.9793026 02
5.6500002 00	7.1831323 02	6.1574822 01	7.7988805 02

TABLE IV (Continued) T = 0.2 ev

E_n(ev)	σ_γ(barns)	σ_s(barns)	σ_T(barns)
5.7000002 00	8.6027218 02	7.6274338 01	9.3654652 02
5.7500002 00	9.6986475 02	8.9448952 01	1.0593137 03
5.8000002 00	1.0466813 03	9.9876266 01	1.1465576 03
5.8700002 00	1.0682949 03	1.0502066 02	1.1733155 03
5.9000002 00	1.0304869 03	1.0213797 02	1.1326249 03
5.9600002 00	8.6187449 02	8.6879196 01	9.4875369 02
6.0000002 00	7.0241727 02	7.2102081 01	7.7451936 02
6.0500002 00	4.9779844 02	5.3250305 01	5.5104875 02
6.1000002 00	3.3048141 02	3.8167251 01	3.6864867 02
6.1500001 00	2.2138799 02	2.8964638 01	2.5035263 02
6.2000001 00	1.6908805 02	2.6002594 01	1.9509064 02
6.2200001 00	1.6234854 02	2.6660324 01	1.8900886 02
6.2500000 00	1.6684389 02	2.9980565 01	1.9682445 02
6.3000002 00	2.1718433 02	4.3853438 01	2.6103777 02
6.3500002 00	3.3516880 02	7.3200027 01	4.0836883 02
6.4000002 00	5.3693597 02	1.2368020 02	6.6061617 02
6.4500002 00	8.1580453 02	1.9529771 02	1.0111022 03
6.5000002 00	1.1206451 03	2.7663066 02	1.3972758 03
6.5400002 00	1.3226699 03	3.3376929 02	1.6564392 03
6.6000002 00	1.4475811 03	3.7761487 02	1.8251960 03
6.6600001 00	1.3083844 03	3.5492833 02	1.6633127 03
6.7000002 00	1.1054278 03	3.1015119 02	1.4155790 03
6.7500002 00	8.1021386 02	2.4079476 02	1.0510086 03
6.8000002 00	5.4662623 02	1.7674203 02	7.2336825 02
6.9000002 00	2.4604036 02	1.0324032 02	3.4928067 02
6.9500002 00	1.9131913 02	9.1624483 01	2.8294362 02
7.0000002 00	1.7190681 02	9.0457035 01	2.6236384 02
7.1000001 00	1.8587173 02	1.0777949 02	2.9365122 02
7.2000002 00	2.4436133 02	1.5037632 02	3.9473765 02
7.3000002 00	3.7509680 02	2.4573122 02	6.2082802 02
7.4000001 00	7.1900326 02	5.0705217 02	1.2260554 03
7.5000000 00	1.7043945 03	1.2831254 03	2.9875198 03
7.6000002 00	3.9589721 03	3.1025795 03	7.0615516 03
7.7000001 00	7.0478856 03	5.6527981 03	1.2700684 04
7.7400002 00	7.9959897 03	6.4585334 03	1.4454523 04
7.7600002 00	8.3121415 03	6.7360753 03	1.5048217 04
7.8000002 00	8.5483527 03	6.9719601 03	1.5520313 04
7.8600002 00	7.8789672 03	6.4891991 03	1.4368166 04
7.9000002 00	6.8881724 03	5.7141604 03	1.2602333 04
8.0000002 00	3.8344660 03	3.2577091 03	7.0921751 03
8.1000001 00	1.6640947 03	1.4716880 03	3.1357828 03
8.2000002 00	7.0703979 02	6.6350458 02	1.3705442 03
8.3000002 00	3.6938379 02	3.6321902 02	7.3260282 02
8.4000001 00	2.5924986 02	2.4268499 02	5.0193485 02
8.5000000 00	2.7467324 02	1.8958901 02	4.6426225 02
8.6000002 00	4.2996836 02	1.7820120 02	6.0816957 02
8.6500001 00	5.5019246 02	1.8437797 02	7.3457046 02
8.7000002 00	6.7005624 02	1.9394160 02	8.6399784 02
8.7400002 00	7.4343905 02	2.0052407 02	9.4396311 02
8.8000002 00	7.8137479 02	2.0261643 02	9.8399121 02
8.8600000 00	7.1730778 02	1.9141798 02	9.0872577 02
8.9000001 00	6.2870361 02	1.7722024 02	8.0592385 02
8.9500002 00	4.9264608 02	1.5512363 02	6.4776971 02
9.0000000 00	3.5742227 02	1.3226766 02	4.8968992 02
9.1000002 00	1.6299562 02	9.6084896 01	2.5908051 02
9.2000002 00	7.7521513 01	7.6063503 01	1.5358501 02
9.4000001 00	3.6104849 01	5.9176580 01	9.5281429 01
9.6000001 00	2.5356308 01	5.0564777 01	7.5921084 01
9.8000002 00	1.9491277 01	4.4676927 01	6.4168203 01
1.0000002 01	1.5645837 01	4.0321158 01	5.5966994 01
1.0400002 01	1.0894709 01	3.4283533 01	4.5178241 01
1.0800002 01	8.1200487 00	3.0300571 01	3.8420620 01
1.1000002 01	7.1426955 00	2.8779356 01	3.5922052 01

TABLE IV (Continued) T = 0.2 ev

E_n(ev)	σ_γ(barns)	σ_s(barns)	σ_T(barns)
1.1400002 01	5.6972924 00	2.6357700 01	3.2054992 01
1.2000002 01	4.3417610 00	2.3740291 01	2.8082052 01
1.2400002 01	3.8079212 00	2.2414308 01	2.6222229 01
1.2800002 01	3.5917456 00	2.1283479 01	2.4875226 01
1.3000002 01	3.7507267 00	2.0751743 01	2.4502469 01
1.3200002 01	5.1140913 00	2.0208276 01	2.5322367 01
1.3300002 01	7.9778887 00	1.9935505 01	2.7913393 01
1.3400002 01	1.4567609 01	1.9700358 01	3.4267968 01
1.3500002 01	2.5845938 01	1.9563067 01	4.5409004 01
1.3550002 01	3.2687778 01	1.9546759 01	5.2234536 01
1.3600002 01	3.9681399 01	1.9569375 01	5.9250775 01
1.3640002 01	4.5111376 01	1.9618208 01	6.4729584 01
1.3670002 01	4.9051246 01	1.9676097 01	6.8727344. 01
1.3700002 01	5.2941398 01	1.9756679 01	7.2698077 01
1.3730002 01	5.6909976 01	1.9865878 01	7.6775855 01
1.3760002 01	6.1131454 01	2.0011098 01	8.1142553 01
1.3800002 01	6.7475791 01	2.0274706 01	8.7750497 01
1.3840002 01	7.4944511 01	2.0633531 01	9.5578042 01
1.3860002 01	7.9134396 01	2.0851651 01	9.9986048 01
1.3880002 01	8.3596401 01	2.1095404 01	1.0469181 02
1.3900002 01	8.8270312 01	2.1363196 01	1.0963351 02
1.3930002 01	9.5474077 01	2.1803200 01	1.1727728 02
1.3960002 01	1.0253214 02	2.2274865 01	1.2480700 02
1.4000002 01	1.1082524 02	2.2914660 01	1.3373991 02
1.4040002 01	1.1665943 02	2.3508361 01	1.4016781 02
1.4100002 01	1.1848981 02	2.4170056 01	1.4265986 02
1.4160002 01	1.1070872 02	2.4412106 01	1.3512083 02
1.4200002 01	1.0074335 02	2.4311512 01	1.2505486 02
1.4250002 01	8.4699184 01	2.3924898 01	1.0862408 02
1.4300002 01	6.7059482 01	2.3331301 01	9.0390783 01
1.4400002 01	3.5795153 01	2.1945364 01	5.7740517 01
1.4500002 01	1.6556936 01	2.0796693 01	3.7353631 01
1.4600002 01	7.8033036 00	2.0055369 01	2.7858673 01
1.5000002 01	2.4904452 00	1.8893205 01	2.1383650 01
1.5400002 01	1.9232129 00	1.8313780 01	2.0236993 01
1.5800002 01	1.6816184 00	1.7866329 01	1.9547946 01
1.6000002 01	1.6098117 00	1.7669219 01	1.9279030 01
1.6200002 01	1.5618901 00	1.7483903 01	1.9045793 01
1.6400002 01	1.5388874 00	1.7306956 01	1.8845843 01
1.6600002 01	1.5493380 00	1.7135171 01	1.8684509 01
1.6800002 01	1.6191690 00	1.6964361 01	1.8583530 01
1.7000002 01	1.8531496 00	1.6787760 01	1.8640909 01
1.7200002 01	3.1103728 00	1.6606737 01	1.9717110 01
1.7300002 01	5.5326180 00	1.6547524 01	2.2080142 01
1.7400002 01	1.1168396 01	1.6582365 01	2.7750761 01
1.7500002 01	2.1639391 01	1.6805345 01	3.8444736 01
1.7600002 01	3.6145594 01	1.7262534 01	5.3408128 01
1.7650002 01	4.3471007 01	1.7551344 01	6.1022352 01
1.7700002 01	4.9625153 01	1.7841477 01	6.7466630 01
1.7740002 01	5.3081665 01	1.8048926 01	7.1130611 01
1.7800002 01	5.5016607 01	1.8275448 01	7.3292055 01
1.7860002 01	5.2725131 01	1.8361830 01	7.1086961 01
1.7900002 01	4.9088927 01	1.8334272 01	6.7423199 01
1.8000002 01	3.5485769 01	1.8018194 01	5.3503962 01
1.8100002 01	2.1201443 01	1.7529618 01	3.8731061 01
1.8200001 01	1.0966022 01	1.7079532 01	2.8045554 01
1.8400002 01	2.9668460 00	1.6552168 01	1.9519014 01
1.8600002 01	1.6219973 00	1.6316668 01	1.7938666 01
1.9000002 01	1.1972984 00	1.6034437 01	1.7231735 01
1.9400002 01	1.0765324 00	1.5612659 01	1.6889191 01
1.9800002 01	1.0285002 00	1.5612460 01	1.6640959 01
2.0000002 01	1.0205277 00	1.5516052 01	1.6536580 01
2.0400002 01	1.0361530 00	1.5324313 01	1.6360466 01

TABLE IV (Continued) T = 0.2 ev

E_n(ev)	σ_γ(barns)	σ_s(barns)	σ_T(barns)
2.0600002 01	1.0651516 00	1.5226143 01	1.6291295 01
2.1000002 01	1.2104585 00	1.5013967 01	1.6224426 01
2.1200002 01	1.3925731 00	1.4891018 01	1.6283590 01
2.1400002 01	1.9222261 00	1.4748198 01	1.6670424 01
2.1600002 01	4.7738310 00	1.4635703 01	1.9409534 01
2.1700001 01	9.4078907 00	1.4693601 01	2.4101492 01
2.1800002 01	1.8451446 01	1.4964191 01	3.3415630 01
2.1900001 01	3.2768370 01	1.5554820 01	4.8323189 01
2.2000002 01	5.0250011 01	1.6449937 01	6.6699947 01
2.2100001 01	6.5173814 01	1.7419026 01	8.2592840 01
2.2140002 01	6.8865586 01	1.7743384 01	8.6608969 01
2.2200002 01	7.0933763 01	1.8088066 01	8.9021830 01
2.2260002 01	6.8562340 01	1.8217538 01	8.6779878 01
2.2300001 01	6.4719131 01	1.8176650 01	8.2895781 01
2.2400001 01	4.9722498 01	1.7695350 01	6.7417848 01
2.2500002 01	3.2567902 01	1.6909346 01	4.9477248 01
2.2600001 01	1.8731186 01	1.6124601 01	3.4855789 01
2.2700001 01	1.0174974 01	1.5513549 01	2.5688523 01
2.2800001 01	6.2082572 00	1.5097496 01	2.1305754 01
2.2900001 01	5.5544027 00	1.4828399 01	2.0382801 01
2.2950002 01	6.2647808 00	1.4735637 01	2.1000418 01
2.3000002 01	7.6805222 00	1.4668977 01	2.2349499 01
2.3100002 01	1.2858496 01	1.4625974 01	2.7484471 01
2.3200001 01	2.1286387 01	1.4738779 01	3.6025167 01
2.3300001 01	3.2042443 01	1.5044336 01	4.7086778 01
2.3400001 01	4.3049330 01	1.5558664 01	5.8607994 01
2.3440002 01	4.7068496 01	1.5827628 01	6.2916126 01
2.3500001 01	5.2662343 01	1.6311823 01	6.8974166 01
2.3560002 01	5.7909877 01	1.6915178 01	7.4825054 01
2.3600001 01	6.1479310 01	1.7397520 01	7.8876830 01
2.3650001 01	6.6309707 01	1.8101146 01	8.4410853 01
2.3700001 01	7.1734953 01	1.8915263 01	9.0650216 01
2.3750001 01	7.7714961 01	1.9818189 01	9.7533150 01
2.3800001 01	8.3890821 01	2.0762587 01	1.0465341 02
2.3900002 01	9.4002631 01	2.2474035 01	1.1647667 02
2.3940002 01	9.6003180 01	2.2968018 01	1.1897120 02
2.4000002 01	9.5675062 01	2.3382302 01	1.1905736 02
2.4060002 01	9.0915325 01	2.3343517 01	1.1425884 02
2.4100001 01	8.5408989 01	2.3065953 01	1.0847494 02
2.4200001 01	6.5882386 01	2.1673391 01	8.7555779 01
2.4300002 01	4.3917429 01	1.9799973 01	6.3717402 01
2.4400001 01	2.5664524 01	1.8065898 01	4.3730422 01
2.4500001 01	1.3616506 01	1.6797366 01	3.0413871 01
2.4600001 01	7.0240811 00	1.6007287 01	2.3031368 01
2.4800001 01	2.5466221 00	1.5293775 01	1.7840397 01
2.5000002 01	1.6831967 00	1.5003953 01	1.6687149 01
2.5200002 01	1.6048851 00	1.4814252 01	1.6419137 01
2.5300002 01	1.8716381 00	1.4732387 01	1.6604025 01
2.5400002 01	2.5313932 00	1.4657244 01	1.7188637 01
2.5500002 01	3.7517795 00	1.4592610 01	1.8344390 01
2.5600002 01	5.5471418 00	1.4545308 01	2.0092450 01
2.5700002 01	7.6054694 00	1.4520698 01	2.2126167 01
2.5800002 01	9.2916921 00	1.4516336 01	2.3808028 01
2.5840002 01	9.7043914 00	1.4517632 01	2.4222023 01
2.5900002 01	9.9443277 00	1.4519198 01	2.4463526 01
2.5960002 01	9.7048558 00	1.4516565 01	2.4221421 01
2.6000001 01	9.3000717 00	1.4510653 01	2.3810725 01
2.6100002 01	7.6908856 00	1.4476413 01	2.2167299 01
2.6200002 01	5.8488799 00	1.4413471 01	2.0262351 01
2.6300002 01	4.5421706 00	1.4327727 01	1.8871899 01
2.6400002 01	4.3930998 00	1.4240264 01	1.8633364 01
2.6500001 01	5.9683560 00	1.4167124 01	2.0135481 01
2.6600002 01	9.8949606 00	1.4143455 01	2.4038417 01

TABLE IV (Continued) T = 0.2 ev

E_n(ev)	σ_γ(barns)	σ_s(barns)	σ_T(barns)
2.6700002 01	1.6680953 01	1.4214012 01	3.0894965 01
2.6800002 01	2.6171261 01	1.4421273 01	4.0592533 01
2.6900002 01	3.6974509 01	1.4775650 01	5.1750158 01
2.6940002 01	4.1097719 01	1.4949552 01	5.6047272 01
2.7000002 01	4.6444600 01	1.5226344 01	6.1670945 01
2.7100002 01	5.1577319 01	1.5661072 01	6.7238390 01
2.7140002 01	5.1925033 01	1.5800350 01	6.7725383 01
2.7170002 01	5.1496726 01	1.5884786 01	6.7381512 01
2.7200002 01	5.0490362 01	1.5949484 01	6.6439846 01
2.7300002 01	4.3517815 01	1.6009248 01	5.9527064 01
2.7400002 01	3.3058055 01	1.5847793 01	4.8905848 01
2.7500002 01	2.2244914 01	1.5548540 01	3.7793454 01
2.7600002 01	1.3433391 01	1.5216455 01	2.8649846 01
2.7800002 01	4.0835550 00	1.4708547 01	1.8792101 01
2.8000002 01	1.5875115 00	1.4447659 01	1.6035171 01
2.8200002 01	1.0739838 00	1.4305409 01	1.5379394 01
2.8600002 01	8.6656155-01	1.4121764 01	1.4988325 01
2.9000002 01	8.3284338-01	1.3981954 01	1.4814797 01
2.9200002 01	8.4925048-01	1.3922120 01	1.4771371 01
2.9400002 01	8.9704496-01	1.3874471 01	1.4771516 01
2.9600002 01	1.0261723 00	1.3873347 01	1.4899520 01
2.9800002 01	1.4685094 00	1.4096840 01	1.5565350 01
3.0000002 01	2.9000600 00	1.5094924 01	1.7994985 01
3.0100002 01	4.2359775 00	1.6099503 01	2.0335480 01
3.0200001 01	5.9336180 00	1.7410956 01	2.3344575 01
3.0300002 01	7.7063540 00	1.8798915 01	2.6505269 01
3.0400002 01	9.1179141 00	1.9892557 01	2.9010471 01
3.0500002 01	9.7929292 00	2.0335907 01	3.0128836 01
3.0600002 01	9.6833212 00	1.9979358 01	2.9662679 01
3.0700002 01	9.2456533 00	1.8975643 01	2.8221297 01
3.0800002 01	9.4515306 00	1.7714365 01	2.7165895 01
3.0900002 01	1.1639480 01	1.6653917 01	2.8293397 01
3.1000002 01	1.7182666 01	1.6162615 01	3.3345282 01
3.1100002 01	2.6872603 01	1.6423905 01	4.3296507 01
3.1150002 01	3.3152372 01	1.6831111 01	4.9983483 01
3.1200002 01	4.0080892 01	1.7388095 01	5.7468987 01
3.1300002 01	5.4207332 01	1.8758130 01	7.2965461 01
3.1400001 01	6.5174649 01	2.0051893 01	8.5226541 01
3.1500002 01	6.9169046 01	2.0777005 01	8.9946051 01
3.1600002 01	6.4686488 01	2.0654545 01	8.5341033 01
3.1700002 01	5.3381733 01	1.9744974 01	7.3126706 01
3.1800002 01	3.9047325 01	1.8381748 01	5.7429073 01
3.2000002 01	1.5229605 01	1.5792793 01	3.1022399 01
3.2200002 01	4.8548554 00	1.4419863 01	1.9274719 01
3.2400001 01	2.4394906 00	1.3891240 01	1.6330731 01
3.2600002 01	3.4457878 00	1.3664546 01	1.7110334 01
3.2700002 01	5.2063767 00	1.3607786 01	1.8814162 01
3.2800001 01	7.9565683 00	1.3590594 01	2.1547162 01
3.2900002 01	1.1490576 01	1.3616275 01	2.5106851 01
3.3000002 01	1.5147300 01	1.3677808 01	2.8825108 01
3.3100002 01	1.7933155 01	1.3753428 01	3.1686584 01
3.3200002 01	1.8937273 01	1.3811893 01	3.2749167 01
3.3300002 01	1.7805991 01	1.3825788 01	3.1631779 01
3.3400002 01	1.4938762 01	1.3784333 01	2.8723095 01
3.3500002 01	1.1256742 01	1.3696759 01	2.4953501 01
3.3600002 01	7.7244387 00	1.3584703 01	2.1309142 01
3.3700002 01	4.9581365 00	1.3470192 01	1.8428328 01
3.3800002 01	3.1222691 00	1.3367246 01	1.6489514 01
3.4000002 01	1.5313259 00	1.3207712 01	1.4739038 01
3.4200002 01	1.1924248 00	1.3088710 01	1.4281134 01
3.4400002 01	1.1646437 00	1.2984395 01	1.4149039 01
3.4800002 01	1.3131420 00	1.2780752 01	1.4093893 01
3.5000002 01	1.4610769 00	1.2674907 01	1.4135984 01

TABLE IV (Continued) T = 0.2 ev

E_n(ev)	σ_γ(barns)	σ_s(barns)	σ_T(barns)
3.5400001 01	2.0173362 00	1.2453201 01	1.4470537 01
3.5600002 01	2.5931953 00	1.2354748 01	1.4947944 01
3.5800001 01	3.9072594 00	1.2372810 01	1.6280069 01
3.6000002 01	8.3123383 00	1.3109304 01	2.1421642 01
3.6100002 01	1.3851830 01	1.4356454 01	2.8208285 01
3.6200002 01	2.3831665 01	1.6858302 01	4.0689967 01
3.6300002 01	4.0306774 01	2.1306158 01	6.1612932 01
3.6400002 01	6.4835172 01	2.8358645 01	9.3193816 01
3.6500002 01	9.7525949 01	3.8389749 01	1.3591570 02
3.6600002 01	1.3644389 02	5.1279822 01	1.8772372 02
3.6700002 01	1.7782543 02	6.6344763 01	2.4417020 02
3.6740002 01	1.9401853 02	7.2723087 01	2.6674162 02
3.6800002 01	2.1693486 02	8.2359072 01	2.9929393 02
3.6900001 01	2.4887721 02	9.7557117 01	3.4643433 02
3.7000002 01	2.6898213 02	1.0965456 02	3.7863669 02
3.7100002 01	2.7321058 02	1.1615888 02	3.8936946 02
3.7140002 01	2.6984916 02	1.1672395 02	3.8657311 02
3.7200002 01	2.5928516 02	1.1516369 02	3.7444885 02
3.7260002 01	2.4248778 02	1.1073991 02	3.5322769 02
3.7300002 01	2.2827431 02	1.0633021 02	3.3460452 02
3.7400002 01	1.8528095 02	9.1357210 01	2.7663815 02
3.7500002 01	1.3815247 02	7.3457033 01	2.1160950 02
3.7600002 01	9.4685556 01	5.6085063 01	1.5077062 02
3.7700002 01	6.0032106 01	4.1710639 01	1.0174275 02
3.7800002 01	3.5747114 01	3.1292928 01	6.7040041 01
3.7900000 01	2.0563246 01	2.4532649 01	4.5095896 01
3.8000002 01	1.1943269 01	2.0504005 01	3.2447274 01
3.8200002 01	5.0578905 00	1.6926990 01	2.1984881 01
3.8400002 01	3.1706856 00	1.5642443 01	1.8813128 01
3.8600002 01	2.4823291 00	1.4975857 01	1.7458186 01
3.8800002 01	2.1622507 00	1.4519331 01	1.6681582 01
3.9000002 01	2.0356900 00	1.4163696 01	1.6199386 01
3.9200002 01	2.0760031 00	1.3868068 01	1.5944071 01
3.9400001 01	2.3805494 00	1.3630873 01	1.6011423 01
3.9600002 01	3.5322123 00	1.3591081 01	1.7123294 01
3.9800001 01	8.1188852 00	1.4523220 01	2.2642106 01
4.0000001 01	2.3367665 01	1.8616890 01	4.2184555 01
4.0100002 01	3.8016840 01	2.3328300 01	6.1345140 01
4.0200001 01	5.7714998 01	2.9667987 01	8.7382985 01
4.0300002 01	8.0550608 01	3.7324010 01	1.1787462 02
4.0400002 01	1.0252579 02	4.5055021 01	1.4758081 02
4.0500002 01	1.1851908 02	5.1154527 01	1.6967360 02
4.0600002 01	1.2420445 02	5.4064422 01	1.7826887 02
4.0800002 01	1.0164944 02	4.8490240 01	1.5013968 02
4.0900001 01	7.9671627 01	4.1732888 01	1.2140452 02
4.1000002 01	5.7077814 01	3.4416167 01	9.1493980 01
4.1100002 01	3.7703973 01	2.7878333 01	6.5582305 01
4.1200002 01	2.3326885 01	2.2818304 01	4.6145188 01
4.1300001 01	1.3894837 01	1.9321835 01	3.3216673 01
4.1400002 01	8.3379105 00	1.7102445 01	2.5440355 01
4.1500002 01	5.3632379 00	1.5761077 01	2.1124315 01
4.1700001 01	3.3946667 00	1.4444925 01	1.7839592 01
4.1900002 01	4.3232348 00	1.3941914 01	1.8265149 01
4.2000002 01	6.2356224 00	1.3967909 01	2.0203532 01
4.2100002 01	9.8857928 00	1.4318966 01	2.4204758 01
4.2200002 01	1.6051589 01	1.5170265 01	3.1221853 01
4.2300002 01	2.5315904 01	1.6690638 01	4.2006542 01
4.2400001 01	3.7581069 01	1.8941802 01	5.6522871 01
4.2500002 01	5.1641059 01	2.1769334 01	7.3410393 01
4.2600002 01	6.5156872 01	2.4755618 01	8.9912490 01
4.2700002 01	7.5277832 01	2.7300346 01	1.0257818 02
4.2800001 01	7.9766036 01	2.8826692 01	1.0859273 02
4.2900002 01	7.8062333 01	2.9020435 01	1.0708277 02

TABLE IV (Continued) T = 0.2 ev

E_n(ev)	σ_γ(barns)	σ_s(barns)	σ_T(barns)
4.3000002 01	7.1634870 01	2.7966522 01	9.9601393 01
4.3100002 01	6.3321761 01	2.6098393 01	8.9419654 01
4.3200002 01	5.5998534 01	2.3991589 01	7.9990123 01
4.3300002 01	5.1316921 01	2.2122623 01	7.3439545 01
4.3400002 01	4.9162709 01	2.0719020 01	6.9881728 01
4.3500002 01	4.8050669 01	1.9754017 01	6.7804686 01
4.3600002 01	4.6118022 01	1.9051052 01	6.5169074 01
4.3700002 01	4.2125814 01	1.8418432 01	6.0544245 01
4.3800002 01	3.5963962 01	1.7742397 01	5.3706359 01
4.3900001 01	2.8509824 01	1.7009774 01	4.5519598 01
4.4000002 01	2.1063022 01	1.6275346 01	3.7338368 01
4.4100002 01	1.4740084 01	1.5610234 01	3.0350318 01
4.4200002 01	1.0126153 01	1.5063579 01	2.5189732 01
4.4300002 01	7.2497467 00	1.4649812 01	2.1899558 01
4.4400002 01	5.7666123 00	1.4355842 01	2.0122454 01
4.4500002 01	5.1961071 00	1.4155601 01	1.9351709 01
4.4550002 01	5.1136513 00	1.4082106 01	1.9195757 01
4.4600002 01	5.1104542 00	1.4022521 01	1.9132976 01
4.4640002 01	5.1472052 00	1.3983421 01	1.9130626 01
4.4700002 01	5.2540037 00	1.3937371 01	1.9191374 01
4.4760002 01	5.4304143 00	1.3905702 01	1.9336117 01
4.4800002 01	5.6042926 00	1.3892994 01	1.9497787 01
4.4900001 01	6.3824323 00	1.3897407 01	2.0279839 01
4.5000002 01	8.0019074 00	1.3974131 01	2.1976039 01
4.5100002 01	1.0936603 01	1.4156424 01	2.5093027 01
4.5200002 01	1.5505188 01	1.4472691 01	2.9977879 01
4.5300001 01	2.1618624 01	1.4925112 01	3.6543737 01
4.5400002 01	2.8600914 01	1.5470361 01	4.4071275 01
4.5500002 01	3.5223356 01	1.6015722 01	5.1239077 01
4.5600002 01	4.0027064 01	1.6439969 01	5.6467033 01
4.5700002 01	4.1853445 01	1.6635448 01	5.8488894 01
4.5800002 01	4.0343637 01	1.6552972 01	5.6896609 01
4.5900002 01	3.6149566 01	1.6226807 01	5.2376372 01
4.6000002 01	3.0741333 01	1.5766597 01	4.6507930 01
4.6100002 01	2.5912403 01	1.5321189 01	4.1233591 01
4.6200002 01	2.3210335 01	1.5031370 01	3.8241706 01
4.6250002 01	2.2960116 01	1.4976223 01	3.7936340 01
4.6300002 01	2.3494858 01	1.4988927 01	3.8483785 01
4.6400001 01	2.6715708 01	1.5211328 01	4.1927036 01
4.6500002 01	3.1926059 01	1.5635474 01	4.7561533 01
4.6600002 01	3.7530287 01	1.6132502 01	5.3662789 01
4.6700002 01	4.1742349 01	1.6543732 01	5.8266081 01
4.6800001 01	4.3149093 01	1.6730404 01	5.9879497 01
4.6900002 01	4.1172304 01	1.6619403 01	5.7791707 01
4.7000002 01	3.6219916 01	1.6224473 01	5.2444391 01
4.7100002 01	2.9455054 01	1.5633063 01	4.5088117 01
4.7200001 01	2.2310253 01	1.4966832 01	3.7277084 01
4.7300002 01	1.6001127 01	1.4337483 01	3.0338610 01
4.7400002 01	1.1243006 01	1.3817908 01	2.5060915 01
4.7500002 01	8.2265881 00	1.3436616 01	2.1663204 01
4.7600002 01	6.7645757 00	1.3189724 01	1.9954300 01
4.7700002 01	6.4775044 00	1.3058854 01	1.9536358 01
4.7800002 01	6.9345177 00	1.3026181 01	1.9960698 01
4.7900001 01	7.7366403 00	1.3084446 01	2.0821086 01
4.8000002 01	8.5742832 00	1.3246810 01	2.1821093 01
4.8100002 01	9.2883096 00	1.3565784 01	2.2854092 01
4.8160002 01	9.6720833 00	1.3681948 01	2.3554030 01
4.8200002 01	9.9416193 00	1.4173134 01	2.4114753 01
4.8300001 01	1.0892952 01	1.5352562 01	2.6245513 01
4.8400002 01	1.2865907 01	1.7649878 01	3.0514785 01
4.8500002 01	1.7001479 01	2.1991600 01	3.8993079 01
4.8600002 01	2.4848885 01	2.9762897 01	5.4611782 01
4.8800002 01	5.8589285 01	6.2391243 01	1.2098053 02

TABLE IV (Continued) T = 0.2 ev

E_n(ev)	σ_γ(barns)	σ_s(barns)	σ_T(barns)
4.9000002 01	1.2085434 02	1.2342221 02	2.4427656 02
4.9100002 01	1.5758640 02	1.6026298 02	3.1784939 02
4.9200002 01	1.9088853 02	1.9452184 02	3.8541037 02
4.9300002 01	2.1417081 02	2.1967019 02	4.3384099 02
4.9400001 01	2.2226323 02	2.3035884 02	4.5262206 02
4.9500002 01	2.1329836 02	2.2433883 02	4.3763722 02
4.9600002 01	1.8941185 02	2.0327949 02	3.9269134 02
4.9700002 01	1.5590028 02	1.7207496 02	3.2797524 02
4.9800002 01	1.1928826 02	1.3702057 02	2.5630883 02
5.0000001 01	5.7409165 01	7.6052169 01	1.3346135 02
5.0200002 01	2.3139068 01	4.0849828 01	6.3988896 01
5.0400000 01	9.9045662 00	2.5962867 01	3.5867433 01
5.0600002 01	6.5856320 00	2.0508719 01	2.7094351 01
5.0700002 01	6.5225415 00	1.9204741 01	2.5727282 01
5.0800002 01	6.9224989 00	1.8326272 01	2.5250771 01
5.1000002 01	7.9801416 00	1.7227336 01	2.5207478 01
5.1100002 01	8.2491699 00	1.6258762 01	2.5099931 01
5.1200002 01	8.2311559 00	1.6537585 01	2.4768740 01
5.1300002 01	7.9556519 00	1.6266513 01	2.4222164 01
5.1400002 01	7.5100785 00	1.6024997 01	2.3535075 01
5.1500002 01	6.9922334 00	1.5806365 01	2.2798598 01
5.1700002 01	5.9987274 00	1.5425154 01	2.1423881 01
5.1800002 01	5.5846229 00	1.5258232 01	2.0842855 01
5.1900001 01	5.2498248 00	1.5104630 01	2.0354455 01
5.2000002 01	5.0073363 00	1.4953256 01	1.9960593 01
5.2050002 01	4.9202869 00	1.4897013 01	1.9817300 01
5.2100002 01	4.8521730 00	1.4833691 01	1.9685865 01
5.2200002 01	4.7488617 00	1.4715518 01	1.9464400 01
5.2300001 01	4.6361113 00	1.4607420 01	1.9243531 01
5.2400002 01	4.4509514 00	1.4506737 01	1.8957688 01
5.2460002 01	4.2894310 00	1.4446397 01	1.8737828 01
5.2500002 01	4.1605761 00	1.4409867 01	1.8570443 01
5.2600002 01	3.7830657 00	1.4313350 01	1.8096415 01
5.2700001 01	3.3856208 00	1.4215065 01	1.7600686 01
5.2800002 01	3.0614800 00	1.4114951 01	1.7176431 01
5.2900002 01	2.8963938 00	1.4014945 01	1.6911339 01
5.3000002 01	2.9376343 00	1.3918241 01	1.6856075 01
5.3100002 01	3.1766572 00	1.3828134 01	1.7004791 01
5.3200002 01	3.5459426 00	1.3746928 01	1.7292771 01
5.3300002 01	3.9376917 00	1.3674525 01	1.7612216 01
5.3400001 01	4.2335607 00	1.3609123 01	1.7842684 01
5.3500002 01	4.3408477 00	1.3546654 01	1.7887501 01
5.3600002 01	4.2207183 00	1.3482374 01	1.7703093 01
5.3700002 01	3.8976196 00	1.3412104 01	1.7309724 01
5.3800001 01	3.4464876 00	1.3333296 01	1.6779785 01
5.3900002 01	2.9651267 00	1.3246487 01	1.6210614 01
5.4000002 01	2.5460953 00	1.3150201 01	1.5696296 01
5.4200001 01	2.1684856 00	1.2954152 01	1.5122638 01
5.4400002 01	2.8848338 00	1.2834277 01	1.5719110 01
5.4600002 01	6.2219122 00	1.3142157 01	1.9364069 01
5.4800002 01	1.6029736 01	1.4899926 01	3.0929663 01
5.5000001 01	3.7469023 01	1.9856085 01	5.7345108 01
5.5100002 01	5.3030580 01	2.3926559 01	7.6957139 01
5.5200002 01	7.0509740 01	2.8888026 01	9.9397766 01
5.5300001 01	8.7787919 01	3.4232259 01	1.2202018 02
5.5400002 01	1.0211923 02	3.9183863 01	1.4130309 02
5.5500002 01	1.1084529 02	4.2875930 01	1.5372123 02
5.5570002 01	1.1261820 02	4.4318576 01	1.5693677 02
5.5600002 01	1.1220397 02	4.4601761 01	1.5680573 02
5.5700002 01	1.0592353 02	4.4044598 01	1.4996812 02
5.5800002 01	9.3325435 01	4.1379390 01	1.3470483 02
5.5900002 01	7.6894380 01	3.7203362 01	1.1409774 02
5.6000001 01	5.9518855 01	3.2332191 01	9.1851046 01

TABLE IV (Continued) T = 0.2 ev

E_n(ev)	σ_γ(barns)	σ_s(barns)	σ_T(barns)
5.6100002 01	4.3744091 01	2.7561201 01	7.1305293 01
5.6200002 01	3.1319467 01	2.3491184 01	5.4810651 01
5.6300002 01	2.3128681 01	2.0467765 01	4.3596447 01
5.6400001 01	1.9398573 01	1.8620693 01	3.8019266 01
5.6500002 01	1.9973588 01	1.7945612 01	3.7919201 01
5.6600002 01	2.4473184 01	1.8368527 01	4.2841711 01
5.6700002 01	3.2265846 01	1.9760937 01	5.2026783 01
5.6800002 01	4.2330203 01	2.1912503 01	6.4242705 01
5.6900002 01	5.3162337 01	2.4497769 01	7.7660106 01
5.7000002 01	6.2881611 01	2.7080300 01	8.9961911 01
5.7100002 01	6.9585913 01	2.9178010 01	9.8763923 01
5.7200002 01	7.1851147 01	3.0376310 01	1.0222745 02
5.7300002 01	6.9163341 01	3.0444059 01	9.9607400 01
5.7400001 01	6.2072262 01	2.9397540 01	9.1469802 01
5.7500002 01	5.1988268 01	2.7482328 01	7.9470595 01
5.7600002 01	4.0710447 01	2.5081332 01	6.5791779 01
5.7700002 01	2.9901443 01	2.2593061 01	5.2494504 01
5.7800001 01	2.0710817 01	2.0329961 01	4.1040779 01
5.7900002 01	1.3649679 01	1.8468885 01	3.2118565 01
5.8000001 01	8.6876489 00	1.7056025 01	2.5743673 01
5.8200002 01	3.5136383 00	1.5352433 01	1.8866071 01
5.8400002 01	1.7749918 00	1.4553633 01	1.6328624 01
5.8600001 01	1.2495133 00	1.4132522 01	1.5382036 01
5.8800000 01	1.0803312 00	1.3850464 01	1.4930795 01
5.9000000 01	1.0557525 00	1.3623999 01	1.4679752 01
5.9200001 01	1.2411474 00	1.3426400 01	1.4667547 01
5.9400001 01	1.9940786 00	1.3259745 01	1.5253824 01
5.9600001 01	4.0347794 00	1.3160520 01	1.7195300 01
5.9700001 01	5.7700649 00	1.3156271 01	1.8926335 01
5.9800001 01	7.9948894 00	1.3191815 01	2.1186704 01
5.9900002 01	1.0570310 01	1.3267900 01	2.3838211 01
6.0000001 01	1.3216366 01	1.3376248 01	2.6592613 01
6.0100000 01	1.5551001 01	1.3498791 01	2.9049791 01
6.0200002 01	1.7180241 01	1.3610416 01	3.0790656 01
6.0300000 01	1.7814761 01	1.3685045 01	3.1499307 01
6.0400000 01	1.7363078 01	1.3702993 01	3.1066070 01
6.0500001 01	1.5968121 01	1.3656662 01	2.9624783 01
6.0600000 01	1.3954229 01	1.3552274 01	2.7506502 01
6.0700002 01	1.1721909 01	1.3406979 01	2.5128889 01
6.0800000 01	9.6269305 00	1.3242893 01	2.2869824 01
6.0900002 01	7.8928755 00	1.3080507 01	2.0973383 01
6.1000001 01	6.5858472 00	1.2934039 01	1.9519886 01
6.1100002 01	5.6452689 00	1.2809676 01	1.8454945 01
6.1140002 01	5.3445131 00	1.2766124 01	1.8110637 01
6.1200002 01	4.9475901 00	1.2706647 01	1.7654238 01
6.1300002 01	4.3702110 00	1.2619912 01	1.6990122 01
6.1400002 01	3.8327907 00	1.2543103 01	1.6375894 01
6.1500002 01	3.3085522 00	1.2470780 01	1.5779332 01
6.1600002 01	2.8119390 00	1.2399520 01	1.5211460 01
6.1800002 01	2.0327478 00	1.2256431 01	1.4289178 01
6.2000001 01	1.6940240 00	1.2117684 01	1.3811708 01
6.2200002 01	1.8517568 00	1.1994768 01	1.3846525 01
6.2400002 01	2.5252910 00	1.1905200 01	1.4430491 01
6.2500002 01	3.0488885 00	1.1882543 01	1.4931431 01
6.2600002 01	3.6685169 00	1.1883445 01	1.5551962 01
6.2700002 01	4.3413821 00	1.1919250 01	1.6260632 01
6.2800002 01	5.0181355 00	1.2009988 01	1.7028124 01
6.2900000 01	5.6667862 00	1.2194101 01	1.7860888 01
6.3000001 01	6.3083102 00	1.2547164 01	1.8855474 01
6.3060002 01	6.7330677 00	1.2896106 01	1.9629174 01
6.3100002 01	7.0595330 00	1.3213882 01	2.0273415 01
6.3200002 01	8.1779157 00	1.4455595 01	2.2633511 01
6.3300002 01	1.0101514 01	1.6709196 01	2.6810710 01

TABLE IV (Continued) T = 0.2 ev

E_n(ev)	σ_γ(barns)	σ_s(barns)	σ_T(barns)
6.3400002 01	1.3471181 01	2.0639514 01	3.4110696 01
6.3500002 01	1.9111098 01	2.7148930 01	4.6260029 01
6.3600002 01	2.7932714 01	3.7293560 01	6.5226273 01
6.3800002 01	5.7863898 01	7.1993026 01	1.2985693 02
6.4000001 01	1.0240261 02	1.2481425 02	2.2721685 02
6.4100001 01	1.2579962 02	1.5328979 02	2.7908940 02
6.4200002 01	1.4587509 02	1.7842626 02	3.2430134 02
6.4300000 01	1.5941091 02	1.9634860 02	3.5575951 02
6.4400001 01	1.6404047 02	2.0406828 02	3.6810875 02
6.4500002 01	1.5893434 02	2.0033500 02	3.5926934 02
6.4600002 01	1.4504148 02	1.8598812 02	3.3102960 02
6.4700002 01	1.2479531 02	1.6367849 02	2.8847380 02
6.4800001 01	1.0140893 02	1.3708236 02	2.3849130 02
6.5000001 01	5.7109299 01	8.5156956 01	1.4226626 02
6.5200001 01	2.7086155 01	4.8686693 01	7.5772848 01
6.5400002 01	1.1957472 01	2.9423571 01	4.1381043 01
6.5600001 01	5.8466893 00	2.0947552 01	2.6794241 01
6.5800000 01	3.6780312 00	1.7335627 01	2.1013657 01
6.6000001 01	2.9582252 00	1.5534577 01	1.8492802 01
6.6200002 01	2.8780374 00	1.4419461 01	1.7297499 01
6.6400002 01	3.5259639 00	1.3782505 01	1.7308469 01
6.6600001 01	5.9776801 00	1.4151074 01	2.0128753 01
6.6800000 01	1.2980145 01	1.7229847 01	3.0209991 01
6.7000002 01	2.8806084 01	2.6015322 01	5.4821406 01
6.7100002 01	4.1020306 01	3.3410126 01	7.4430433 01
6.7200002 01	5.5834091 01	4.2812370 01	9.8646461 01
6.7300000 01	7.2202520 01	5.3681553 01	1.2588408 02
6.7400001 01	8.8383768 01	6.4980486 01	1.5336425 02
6.7500001 01	1.0219162 02	7.5299538 01	1.7749116 02
6.7600000 01	1.1146662 02	8.3139663 01	1.9460629 02
6.7700002 01	1.1463123 02	8.7280129 01	2.0191136 02
6.7799999 01	1.1113377 02	8.7106085 01	1.9823986 02
6.7900002 01	1.0160745 02	8.2771431 01	1.8437887 02
6.8000001 01	8.7679615 01	7.5134409 01	1.6281403 02
6.8100001 01	7.1513122 01	6.5498727 01	1.3701185 02
6.8200002 01	5.5258636 01	5.5264949 01	1.1052359 02
6.8300000 01	4.0602357 01	4.5614989 01	8.6217345 01
6.8400002 01	2.8537482 01	3.7324666 01	6.5862147 01
6.8599999 01	1.2895558 01	2.5802993 01	3.8698552 01
6.8800001 01	6.0136562 00	1.9903889 01	2.5917545 01
6.9000002 01	3.9903612 00	1.7195116 01	2.1185478 01
6.9200001 01	4.7798186 00	1.5968553 01	2.0748371 01
6.9400001 01	8.2581803 00	1.5548041 01	2.3806221 01
6.9600001 01	1.4610558 01	1.5775030 01	3.0385588 01
6.9700001 01	1.8498818 01	1.6082715 01	3.4581533 01
6.9800000 01	2.2352492 01	1.6455728 01	3.8808220 01
6.9900001 01	2.5647285 01	1.6819692 01	4.2466977 01
7.0000002 01	2.7867989 01	1.7092038 01	4.4960026 01
7.0100002 01	2.8639169 01	1.7200138 01	4.5839307 01
7.0200002 01	2.7829531 01	1.7099025 01	4.4928556 01
7.0300001 01	2.5589344 01	1.6782081 01	4.2371425 01
7.0400001 01	2.2305920 01	1.6280640 01	3.8586560 01
7.0500002 01	1.8496122 01	1.5653103 01	3.4149225 01
7.0600000 01	1.4677789 01	1.4968206 01	2.9645995 01
7.0800000 01	8.5107387 00	1.3660393 01	2.2171131 01
7.1000002 01	5.3104521 00	1.2652950 01	1.7963402 01
7.1200002 01	5.1162507 00	1.2056181 01	1.7172432 01
7.1400001 01	8.2704004 00	1.2076387 01	2.0346787 01
7.1600002 01	1.6038744 01	1.3178690 01	2.9217434 01
7.1700002 01	2.1948572 01	1.4288838 01	3.6237410 01
7.1800000 01	2.9025165 01	1.5785263 01	4.4810427 01
7.1900002 01	3.6777422 01	1.7591005 01	5.4368427 01
7.2000002 01	4.4434391 01	1.9547628 01	6.3982019 01

TABLE IV (Continued) T = 0.2 ev

E_n(ev)	σ_γ(barns)	σ_s(barns)	σ_T(barns)
7.2100001 01	5.1065519 01	2.1435706 01	7.2501225 01
7.2200001 01	5.5790946 01	2.3025333 01	7.8816279 01
7.2300000 01	5.8029786 01	2.4149766 01	8.2179547 01
7.2400002 01	5.7714087 01	2.4788744 01	8.2502831 01
7.2500002 01	5.5408758 01	2.5147988 01	8.0556746 01
7.2600002 01	5.2320348 01	2.5729137 01	7.8049485 01
7.2700002 01	5.0213546 01	2.7387455 01	7.7601001 01
7.2800000 01	5.1284264 01	3.1373003 01	8.2657267 01
7.2900001 01	5.8010119 01	3.9331615 01	9.7341734 01
7.3000002 01	7.2946215 01	5.3211876 01	1.2615809 02
7.3100000 01	9.8392110 01	7.5008308 01	1.7340042 02
7.3200002 01	1.3587597 02	1.0630291 02	2.4217888 02
7.3300000 01	1.8545398 02	1.4761576 02	3.3306973 02
7.3400002 01	2.4503065 02	1.9774407 02	4.4277471 02
7.3500002 01	3.0995597 02	2.5331389 02	5.6326985 02
7.3600001 01	3.7325789 02	3.0885560 02	6.8211349 02
7.3700002 01	4.2665422 02	3.5755311 02	7.8420733 02
7.3800000 01	4.6222181 02	3.9258962 02	8.5481143 02
7.3900002 01	4.7427691 02	4.0874678 02	8.8302369 02
7.4000002 01	4.6083253 02	4.0371883 02	8.6455135 02
7.4100002 01	4.2411799 02	3.7669767 02	8.0281567 02
7.4200002 01	3.6993719 02	3.3798539 02	7.0792257 02
7.4300001 01	3.0615664 02	2.8783642 02	5.9399306 02
7.4400001 01	2.4080286 02	2.3490247 02	4.7570533 02
7.4500002 01	1.8046795 02	1.8486257 02	3.6533051 02
7.4600000 01	1.2936838 02	1.4155060 02	2.7091898 02
7.4700002 01	8.9218501 01	1.0675468 02	1.9597318 02
7.4900002 01	3.9250845 01	6.1615327 01	1.0106617 02
7.5000002 01	2.5779456 01	4.9015560 01	7.4795019 01
7.5100001 01	1.7262447 01	4.0515947 01	5.7778393 01
7.5200002 01	1.2026377 01	3.4938664 01	4.6965040 01
7.5300000 01	8.8444412 00	3.1246585 01	4.0091026 01
7.5400000 01	6.8968484 00	2.8727373 01	3.5624221 01
7.5600002 01	4.8970379 00	2.5567669 01	3.0464707 01
7.5800001 01	4.1479772 00	2.3615458 01	2.7763436 01
7.6000002 01	4.4355515 00	2.2317250 01	2.6752802 01
7.6200002 01	6.5680640 00	2.1701871 01	2.8269934 01
7.6400002 01	1.2151579 01	2.2181520 01	3.4333099 01
7.6600001 01	2.2569430 01	2.4275049 01	4.6844479 01
7.6700002 01	2.9423020 01	2.5959818 01	5.5382839 01
7.6800000 01	3.6790629 01	2.7948954 01	6.4739583 01
7.6900001 01	4.3922604 01	3.0046399 01	7.3969002 01
7.7000002 01	4.9940443 01	3.1994100 01	8.1934543 01
7.7100002 01	5.4019461 01	3.3519108 01	8.7538568 01
7.7200002 01	5.5587527 01	3.4392787 01	8.9980314 01
7.7300001 01	5.4476391 01	3.4485079 01	8.8961471 01
7.7400002 01	5.0967798 01	3.3794395 01	8.4762194 01
7.7500002 01	4.5717035 01	3.2443952 01	7.8160987 01
7.7600000 01	3.9579615 01	3.0646373 01	7.0225989 01
7.7700001 01	3.3397613 01	2.8649021 01	6.2046633 01
7.7800000 01	2.7818488 01	2.6679276 01	5.4497764 01
7.7900002 01	2.3195391 01	2.4905105 01	4.8100496 01
7.8000002 01	1.9584145 01	2.3418262 01	4.3002406 01
7.8100001 01	1.6820173 01	2.2239804 01	3.9059977 01
7.8140001 01	1.5892219 01	2.1849230 01	3.7741450 01
7.8200002 01	1.4633774 01	2.1339915 01	3.5973688 01
7.8260000 01	1.3486372 01	2.0910723 01	3.4397095 01
7.8300000 01	1.2766233 01	2.0662319 01	3.3422552 01
7.8400001 01	1.1012790 01	2.0145376 01	3.1158167 01
7.8500002 01	9.3090453 00	1.9736175 01	2.9045220 01
7.8600002 01	7.6559347 00	1.9396399 01	2.7052334 01
7.8700002 01	6.1119843 00	1.9102238 01	2.5214223 01
7.8800000 01	4.7466311 00	1.8840965 01	2.3587597 01

TABLE IV (Continued) T = 0.2 ev

E_n(ev)	σ_γ(barns)	σ_s(barns)	σ_T(barns)
7.9000002 01	2.7209825 00	1.8396243 01	2.1117226 01
7.9200001 01	1.6123017 00	1.8039109 01	1.9651411 01
7.9400002 01	1.1507941 00	1.7749699 01	1.8900493 01
7.9600002 01	1.0961164 00	1.7507203 01	1.8603319 01
7.9800000 01	1.3992469 00	1.7299122 01	1.8698369 01
8.0000002 01	2.1459144 00	1.7125398 01	1.9271312 01
8.0100000 01	2.6987020 00	1.7053888 01	1.9752591 01
8.0200002 01	3.3452797 00	1.6993875 01	2.0339154 01
8.0300000 01	4.0359813 00	1.6945342 01	2.0981323 01
8.0400002 01	4.6989812 00	1.6906929 01	2.1605911 01
8.0500002 01	5.2510057 00	1.6875796 01	2.2126801 01
8.0600001 01	5.6134892 00	1.6847868 01	2.2461357 01
8.0700002 01	5.7307502 00	1.6818509 01	2.2549259 01
8.0800000 01	5.5834407 00	1.6783406 01	2.2366846 01
8.0900002 01	5.1934671 00	1.6739438 01	2.1932905 01
8.1000002 01	4.6182474 00	1.6685227 01	2.1303475 01
8.1100002 01	3.9364008 00	1.6621234 01	2.0557635 01
8.1200002 01	3.2300739 00	1.6549407 01	1.9779481 01
8.1400001 01	1.9998972 00	1.6393482 01	1.8393379 01
8.1600000 01	1.2059001 00	1.6237954 01	1.7443854 01
8.1800002 01	8.1043424-01	1.6093082 01	1.6903517 01
8.2000002 01	6.5487455-01	1.5958791 01	1.6613666 01
8.2200002 01	6.1016258-01	1.5830506 01	1.6440669 01
8.2400001 01	6.1347902-01	1.5703296 01	1.6316776 01
8.3000002 01	1.1200902 00	1.5299984 01	1.6420073 01
8.3400002 01	4.3784411 00	1.5149662 01	1.9528103 01
8.3600001 01	8.7890729 00	1.5294285 01	2.4083358 01
8.3700002 01	1.1866513 01	1.5461471 01	2.7327984 01
8.3800000 01	1.5381965 01	1.5694789 01	3.1076755 01
8.3900001 01	1.9075226 01	1.5982643 01	3.5058868 01
8.4000002 01	2.2586111 01	1.6300655 01	3.8886767 01
8.4100002 01	2.5498608 01	1.6613779 01	4.2112387 01
8.4300000 01	2.8114557 01	1.7067223 01	4.5181781 01
8.4500002 01	2.5591197 01	1.7101267 01	4.2692464 01
8.4600001 01	2.2799320 01	1.6951596 01	3.9750916 01
8.4700001 01	1.9506031 01	1.6725396 01	3.6231427 01
8.4800000 01	1.6175684 01	1.6471048 01	3.2646732 01
8.4900002 01	1.3249474 01	1.6251635 01	2.9501109 01
8.5000002 01	1.1104827 01	1.6143424 01	2.7248252 01
8.5100002 01	1.0043275 01	1.6235376 01	2.6278650 01
8.5200002 01	1.0298260 01	1.6627638 01	2.6925897 01
8.5300000 01	1.2043805 01	1.7425623 01	2.9469429 01
8.5400001 01	1.5386392 01	1.8725960 01	3.4112352 01
8.5500002 01	2.0332803 01	2.0593728 01	4.0926530 01
8.5600000 01	2.6739017 01	2.3033447 01	4.9772464 01
8.5700002 01	3.4261604 01	2.5961864 01	6.0223469 01
8.5800000 01	4.2338031 01	2.9193134 01	7.1531164 01
8.5900002 01	5.0220749 01	3.2447008 01	8.2667257 01
8.6000002 01	5.7068260 01	3.5384067 01	9.2452327 01
8.6100001 01	6.2088719 01	3.7663864 01	9.9752582 01
8.6200002 01	6.4684912 01	3.9012655 01	1.0369757 02
8.6300000 01	6.4572006 01	3.9286241 01	1.0385225 02
8.6400002 01	6.1826894 01	3.8470562 01	1.0029746 02
8.6500002 01	5.6855102 01	3.6735169 01	9.3590271 01
8.6600002 01	5.0292374 01	3.4334094 01	8.4626468 01
8.6800001 01	3.5279987 01	2.8757129 01	6.4037115 01
8.7000002 01	2.1688614 01	2.3804638 01	4.5493252 01
8.7200002 01	1.1912352 01	2.0391721 01	3.2304073 01
8.7400002 01	6.0139880 00	1.8404293 01	2.4418281 01
8.7500002 01	4.2034126 00	1.7788724 01	2.1992135 01
8.7600001 01	2.9446041 00	1.7341334 01	2.0285938 01
8.7800000 01	1.5388805 00	1.6765956 01	1.8304837 01
8.8000002 01	9.5350633-01	1.6421690 01	1.7375195 01

TABLE IV (Continued) T = 0.2 ev

E_n(ev)	σ_γ(barns)	σ_s(barns)	σ_T(barns)
8.8400002 01	6.0917448-01	1.6005170 01	1.6614344 01
8.9000002 01	4.9032804-01	1.5612520 01	1.6102848 01
8.9500002 01	4.5600705-01	1.5365026 01	1.5821033 01
9.0000002 01	4.4856446-01	1.5148543 01	1.5597107 01
9.0400002 01	4.5919837-01	1.4984177 01	1.5443375 01
9.1000002 01	5.1228083-01	1.4733790 01	1.5246071 01
9.1400002 01	5.9536736-01	1.4552474 01	1.5147841 01
9.1800000 01	8.0885001-01	1.4361301 01	1.5170151 01
9.2000002 01	1.1160600 00	1.4301568 01	1.5417628 01
9.2200002 01	1.9077129 00	1.4388105 01	1.6295817 01
9.2400001 01	3.9453623 00	1.4918589 01	1.8863950 01
9.2600000 01	8.6405280 00	1.6487109 01	2.5127637 01
9.2800000 01	1.7746962 01	1.9903673 01	3.7650634 01
9.3000002 01	3.2028138 01	2.5672709 01	5.7700848 01
9.3200002 01	4.9338008 01	3.3139266 01	8.2477274 01
9.3400002 01	6.4084176 01	4.0097309 01	1.0418149 02
9.3500002 01	6.8395736 01	4.2474218 01	1.1086996 02
9.3600002 01	6.9848413 01	4.3718160 01	1.1356657 02
9.3700002 01	6.8253785 01	4.3692993 01	1.1194678 02
9.3800001 01	6.3827645 01	4.2430826 01	1.0625847 02
9.3900001 01	5.7141368 01	4.0121922 01	9.7263290 01
9.4000002 01	4.9000405 01	3.7071457 01	8.6071862 01
9.4100000 01	4.0283727 01	3.3635859 01	7.3919585 01
9.4200002 01	3.1790439 01	3.0157305 01	6.1947745 01
9.4400002 01	1.7662507 01	2.4083812 01	4.1746319 01
9.4600001 01	8.6552860 00	1.9937417 01	2.8592702 01
9.4800000 01	3.9907496 00	1.7583161 01	2.1573911 01
9.5000002 01	1.9500594 00	1.6389151 01	1.8339210 01
9.5200002 01	1.1517185 00	1.5789038 01	1.6940757 01
9.5400002 01	8.4416742-01	1.5450580 01	1.6294748 01
9.5600000 01	7.1218915-01	1.5221765 01	1.5933954 01
9.5800000 01	6.4562867-01	1.5041972 01	1.5687600 01
9.6000002 01	6.0950203-01	1.4887020 01	1.5496522 01
9.6400001 01	5.9428703-01	1.4610898 01	1.5205185 01
9.7000002 01	9.4486262-01	1.4233059 01	1.5177922 01
9.7200001 01	1.5952075 00	1.4179621 01	1.5774829 01
9.7400002 01	3.1703259 00	1.4302238 01	1.7472563 01
9.7600002 01	6.4178954 00	1.4794939 01	2.1212835 01
9.7800000 01	1.1930483 01	1.5862740 01	2.7793223 01
9.8000002 01	1.9380020 01	1.7539262 01	3.6919282 01
9.8100000 01	2.3315172 01	1.8518911 01	4.1834082 01
9.8200002 01	2.6940103 01	1.9496205 01	4.6436309 01
9.8300000 01	2.9874790 01	2.0378374 01	5.0253164 01
9.8400002 01	3.1780644 01	2.1072848 01	5.2853492 01
9.8500002 01	3.2425391 01	2.1503732 01	5.3929122 01
9.8600001 01	3.1730234 01	2.1625986 01	5.3356220 01
9.8700002 01	2.9785647 01	2.1433626 01	5.1219273 01
9.8800000 01	2.6832140 01	2.0959674 01	4.7791813 01
9.8900002 01	2.3211784 01	2.0268336 01	4.3480120 01
9.9000002 01	1.9302374 01	1.9441291 01	3.8743664 01
9.9100002 01	1.5454274 01	1.8562673 01	3.4016947 01
9.9200002 01	1.1941787 01	1.7705714 01	2.9647501 01
9.9400001 01	6.5196389 00	1.6249900 01	2.2769539 01
9.9600000 01	3.3358676 00	1.5249646 01	1.8585514 01
9.9800002 01	1.8047214 00	1.4638137 01	1.6442858 01
1.0000002 02	1.1966052 00	1.4270471 01	1.5467076 01
1.0020002 02	1.0100984 00	1.4028968 01	1.5039066 01
1.0050002 02	1.0240794 00	1.3770232 01	1.4794311 01
1.0080002 02	1.2010524 00	1.3583553 01	1.4784605 01
1.0100002 02	1.4286755 00	1.3526923 01	1.4955599 01
1.0120002 02	1.8496629 00	1.3630148 01	1.5479811 01
1.0140002 02	2.7431582 00	1.4193606 01	1.6936765 01
1.0160002 02	4.7998059 00	1.5994335 01	2.0794141 01

TABLE IV (Continued) T = 0.2 ev

E_n(ev)	σ_γ(barns)	σ_s(barns)	σ_T(barns)
1.0180002 02	9.4404442 00	2.0683061 01	3.0123505 01
1.0200002 02	1.8905001 01	3.0951514 01	4.9856514 01
1.0220002 02	3.5471075 01	4.9712266 01	8.5183341 01
1.0240002 02	5.9420114 01	7.7759882 01	1.3718000 02
1.0250002 02	7.3109298 01	9.4205762 01	1.6731506 02
1.0260002 02	8.6755491 01	1.1094830 02	1.9770379 02
1.0280002 02	1.0915400 02	1.3975560 02	2.4890959 02
1.0290002 02	1.1560192 02	1.4900990 02	2.6461181 02
1.0300002 02	1.1779436 02	1.5340559 02	2.7119997 02
1.0310002 02	1.1548985 02	1.5250639 02	2.6799625 02
1.0320002 02	1.0898553 02	1.4649865 02	2.5548417 02
1.0340002 02	8.6840419 01	1.2265778 02	2.0949820 02
1.0350002 02	7.3595032 01	1.0743981 02	1.8103484 02
1.0360002 02	6.0557887 01	9.1902137 01	1.5246003 02
1.0370002 02	4.8770769 01	7.7255963 01	1.2602673 02
1.0380002 02	3.8997008 01	6.4399921 01	1.0339693 02
1.0390002 02	3.1702332 01	5.3886503 01	8.5588834 01
1.0400002 02	2.7081646 01	4.5950132 01	7.3031778 01
1.0410002 02	2.5108336 01	4.0571955 01	6.5680291 01
1.0420002 02	2.5583873 01	3.7556034 01	6.3139906 01
1.0430002 02	2.8169930 01	3.6589512 01	6.4759443 01
1.0440002 02	3.2407370 01	3.7284714 01	6.9692085 01
1.0450002 02	3.7727499 01	3.9201295 01	7.6928794 01
1.0460002 02	4.3476322 01	4.1863204 01	8.5339527 01
1.0470002 02	4.8957481 01	4.4778212 01	9.3735693 01
1.0480002 02	5.3501784 01	4.7469924 01	1.0097171 02
1.0490002 02	5.6550263 01	4.9519897 01	1.0607016 02
1.0500002 02	5.7734207 01	5.0613261 01	1.0834747 02
1.0510002 02	5.6929067 01	5.0575914 01	1.0750498 02
1.0520002 02	5.4266186 01	4.9391390 01	1.0365758 02
1.0530002 02	5.0095559 01	4.7191495 01	9.7287054 01
1.0540002 02	4.4909465 01	4.4222051 01	8.9131516 01
1.0550002 02	3.9244947 01	4.0791359 01	8.0036305 01
1.0560002 02	3.3590777 01	3.7214324 01	7.0805101 01
1.0580002 02	2.3655861 01	3.0643039 01	5.4298899 01
1.0600002 02	1.6363279 01	2.5768868 01	4.2132147 01
1.0620002 02	1.1309179 01	2.2688609 01	3.3997788 01
1.0640002 02	7.6707133 00	2.0886300 01	2.8557013 01
1.0650002 02	6.2148306 00	2.0282469 01	2.6497300 01
1.0660002 02	4.9647094 00	1.9603112 01	2.4767822 01
1.0680002 02	3.0459720 00	1.9082356 01	2.2128328 01
1.0700002 02	1.8297913 00	1.8554648 01	2.0384440 01
1.0750002 02	7.2975873-01	1.7684470 01	1.8414229 01
1.0800002 02	5.7452316-01	1.7124223 01	1.7698745 01
1.0850002 02	8.0252377-01	1.6686468 01	1.7488992 01
1.0900002 02	3.2700421 00	1.6612059 01	1.9882101 01
1.0930002 02	7.7901831 00	1.7214381 01	2.5004564 01
1.0950002 02	1.2052592 01	1.8004189 01	3.0056782 01
1.0970002 02	1.6212759 01	1.8954827 01	3.5167586 01
1.0990002 02	1.8809476 01	1.9757113 01	3.8566583 01
1.1000002 02	1.9146983 01	1.9988765 01	3.9135749 01
1.1010002 02	1.8767716 01	2.0071330 01	3.8839046 01
1.1030002 02	1.6108220 01	1.9736433 01	3.5844652 01
1.1050002 02	1.1928504 01	1.8795527 01	3.0724031 01
1.1070002 02	7.6774786 00	1.7535205 01	2.5212683 01
1.1100002 02	3.1723901 00	1.5534294 01	1.8706684 01
1.1150002 02	6.4862316-01	1.3056660 01	1.3705283 01
1.1300002 02	1.8722467-01	7.5993894 00	7.7866140 00

TABLE V

Hf CROSS SECTIONS

Hf Temperature = 0.5 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)
2.5300002-02	1.0217558 02	9.7780428 00	1.1195362 02
3.5000002-02	8.7767722 01	9.6510592 00	9.7418781 01
5.0000007-02	7.4627694 01	9.5555430 00	8.4183237 01
8.0000007-02	6.0998422 01	9.4818211 00	7.0480244 01
1.0000002-01	5.5829516 01	9.4639320 00	6.5293449 01
2.0000002-01	4.4782401 01	9.4827051 00	5.4265106 01
3.0000005-01	4.2417998 01	9.5826154 00	5.2000612 01
4.0000006-01	4.3924094 01	9.7568898 00	5.3680984 01
5.0000002-01	4.9016828 01	1.0043183 01	5.9060011 01
6.0000002-01	5.9479008 01	1.0531963 01	7.0010971 01
7.0000002-01	8.1185468 01	1.1458665 01	9.2644132 01
8.0000002-01	1.3824819 02	1.3703549 01	1.5195175 02
9.0000002-01	4.1055687 02	2.3257572 01	4.3381444 02
9.5000002-01	8.4937241 02	3.7716492 01	8.8708890 02
1.0000002 00	1.5803390 03	6.0886093 01	1.6412250 03
1.0400002 00	2.1965752 03	7.9575012 01	2.2761503 03
1.0700002 00	2.5003079 03	8.8065186 01	2.5883731 03
1.1000002 00	2.5649033 03	8.8754333 01	2.6536576 03
1.1300002 00	2.3765997 03	8.1495148 01	2.4580948 03
1.1600002 00	2.0010296 03	6.8613525 01	2.0696431 03
1.2000002 00	1.3946765 03	4.8752395 01	1.4434290 03
1.3000002 00	3.8193559 02	1.7190033 01	3.9912562 02
1.4000002 00	1.2795195 02	1.0032928 01	1.3798488 02
1.5000002 00	7.5943471 01	8.9532337 00	8.4896705 01
1.6000002 00	6.1952749 01	9.0028549 00	7.0955604 01
1.6500001 00	6.0257659 01	9.2310710 00	6.9488729 01
1.7000002 00	6.0984865 01	9.5950799 00	7.0579945 01
1.8000002 00	6.9620901 01	1.0899243 01	8.0520145 01
1.9000002 00	9.2875301 01	1.3798033 01	1.0667333 02
2.0000002 00	1.6045911 02	2.2577581 01	1.8303669 02
2.1000002 00	4.2758258 02	6.0354393 01	4.8793698 02
2.1500002 00	7.6543278 02	1.1001435 02	8.7544713 02
2.2000002 00	1.3160650 03	1.9261557 02	1.5086806 03
2.2500002 00	2.0514961 03	3.0498572 02	2.3564818 03
2.3000002 00	2.8090465 03	4.2330264 02	3.2323491 03
2.3200002 00	3.0609306 03	4.6361120 02	3.5245418 03
2.3500002 00	3.3317353 03	5.0843879 02	3.8401740 03
2.3800002 00	3.4388443 03	5.2882120 02	3.9676655 03
2.4000002 00	3.4105824 03	5.2728543 02	3.9378678 03
2.4400002 00	3.1309128 03	4.8977378 02	3.6206866 03
2.4500002 00	3.0219107 03	4.7426694 02	3.4961776 03
2.5000002 00	2.3364626 03	3.7386081 02	2.7103234 03
2.5500002 00	1.5987172 03	2.6293140 02	1.8616486 03
2.6000002 00	9.9013211 02	1.6974545 02	1.1598775 03
2.7000002 00	3.2835479 02	6.5854462 01	3.9420925 02
2.8000002 00	1.2645790 02	3.2488238 01	1.5894613 02
3.0000002 00	4.6482877 01	1.7676429 01	6.4159307 01
3.2000002 00	2.8148301 01	1.3603219 01	4.1751519 01
3.4000002 00	2.0762677 01	1.1659337 01	3.2422015 01
3.6000002 00	1.7257312 01	1.0514684 01	2.7771996 01
4.0000002 00	1.4942106 01	9.2077191 00	2.4149824 01
4.4000002 00	1.5848834 01	8.4926348 00	2.4341470 01
4.6000001 00	1.7434675 01	8.2769558 00	2.5711631 01
4.8000002 00	2.0260510 01	8.1667514 00	2.8427261 01
5.0000002 00	2.6016191 01	8.2485623 00	3.4264753 01
5.2000002 00	4.8761124 01	9.4288368 00	5.8189961 01
5.3000002 00	9.0301144 01	1.2178279 01	1.0247942 02
5.4000002 00	1.8353972 02	1.9012005 01	2.0255173 02
5.5000002 00	3.4731286 02	3.2097641 01	3.7941051 02
5.6000001 00	5.6235158 02	5.0891281 01	6.1324286 02
5.6500002 00	6.6952216 02	6.0995491 01	7.3051765 02
5.7000002 00	7.6215225 02	7.0285446 01	8.3243770 02
5.7500002 00	8.2971224 02	7.7675163 01	9.0738740 02

TABLE V (Continued) T = 0.5 ev

E_n(ev)	σ_γ(barns)	σ_s(barns)	σ_T(barns)
5.8000002 00	8.6388045 02	8.2210502 01	9.4609096 02
5.8700002 00	8.4799047 02	8.2717605 01	9.3070808 02
5.9000002 00	8.1910309 02	8.0851906 01	8.9995499 02
5.9600002 00	7.2966154 02	7.4174538 01	8.0383607 02
6.0000002 00	6.5485172 02	6.8465775 01	7.2331749 02
6.0500002 00	5.5757425 02	6.1521393 01	6.1909564 02
6.1000002 00	4.7082100 02	5.6743553 01	5.2756455 02
6.1500001 00	4.0898675 02	5.6294007 01	4.6528076 02
6.2000001 00	3.8314628 02	6.2152645 01	4.4529892 02
6.2200001 00	3.8448575 02	6.6618542 01	4.5110429 02
6.2500000 00	3.9959508 02	7.5794007 01	4.7538909 02
6.3000002 00	4.5875376 02	9.7781204 01	5.5653497 02
6.3500002 00	5.5438474 02	1.2733520 02	6.8171994 02
6.4000002 00	6.7347969 02	1.6204691 02	8.3552660 02
6.4500002 00	7.9744266 02	1.9795730 02	9.9539996 02
6.5000002 00	9.0500253 02	2.3014941 02	1.1351520 03
6.6000002 00	9.9881810 02	2.6539346 02	1.2642116 03
6.7000002 00	8.9037858 02	2.4985348 02	1.1402321 03
6.7500002 00	7.8038048 02	2.2741490 02	1.0077954 03
6.8000002 00	6.5610841 02	2.0093450 02	8.5704291 02
6.9000002 00	4.3078591 02	1.5391455 02	5.8470046 02
6.9500002 00	3.5161786 02	1.4030704 02	4.9192489 02
7.0000002 00	3.0130014 02	1.3649758 02	4.3779772 02
7.1000001 00	2.9191529 02	1.6815346 02	4.6006875 02
7.2000002 00	4.2627544 02	2.8598786 02	7.1226329 02
7.3000002 00	7.9038940 02	5.7576368 02	1.3661531 03
7.4000001 00	1.5319132 03	1.1683570 03	2.7002702 03
7.5000000 00	2.7422598 03	2.1484995 03	4.8907593 03
7.6000002 00	4.2504201 03	3.3880301 03	7.6384502 03
7.7000001 00	5.5386137 03	4.4710141 03	1.0009628 04
7.7400002 00	5.8486268 03	4.7422774 03	1.0590904 04
7.8000002 00	6.0016852 03	4.8977036 03	1.0899389 04
7.8600002 00	5.7613767 03	4.7320541 03	1.0493431 04
7.9000002 00	5.4057778 03	4.4600438 03	9.8658216 03
8.0000002 00	4.0781087 03	3.4079587 03	7.4860674 03
8.1000001 00	2.6229510 03	2.2276745 03	4.8506254 03
8.2000002 00	1.4934583 03	1.2911675 03	2.7846259 03
8.3000002 00	8.1959800 02	7.0714364 02	1.5267417 03
8.4000001 00	5.1567255 02	4.0391737 02	9.1958992 02
8.5000000 00	4.4286830 02	2.6747079 02	7.1033909 02
8.6000002 00	4.8314478 02	2.1289382 02	6.9603859 02
8.6500001 00	5.1572983 02	1.9998305 02	7.1571288 02
8.7000002 00	5.4333580 02	1.9127711 02	7.3461292 02
8.7400002 00	5.5663318 02	1.8553462 02	7.4216780 02
8.8000002 00	5.5584778 02	1.7677802 02	7.3262579 02
8.8600000 00	5.2750528 02	1.6628351 02	6.9378878 02
8.9000001 00	4.9450645 02	1.5801540 02	6.5252185 02
8.9500002 00	4.4109340 02	1.4642723 02	5.8752063 02
9.0000000 00	3.7940986 02	1.3395741 02	5.1336726 02
9.1000002 00	2.5415478 02	1.0913821 02	3.6329299 02
9.2000002 00	1.5370167 02	8.8246353 01	2.4194803 02
9.4000001 00	5.4259441 01	6.3082170 01	1.1734161 02
9.6000001 00	2.8352421 01	5.1727902 01	8.0080323 01
1.0000002 01	1.6073633 01	4.0671724 01	5.6745356 01
1.0400002 01	1.1068709 01	3.4455871 01	4.5524579 01
1.1000002 01	7.2106005 00	2.8855478 01	3.6066078 01
1.1400002 01	5.7397720 00	2.6405936 01	3.2145708 01
1.2000002 01	4.3705384 00	2.3765472 01	2.8136010 01
1.2400002 01	3.8457846 00	2.2428294 01	2.6274078 01
1.2800002 01	3.8419895 00	2.1281696 01	2.5123685 01
1.3000002 01	5.0184112 00	2.0744551 01	2.5762962 01
1.3200002 01	9.7792795 00	2.0250046 01	3.0029325 01
1.3300002 01	1.4763707 01	2.0053957 01	3.4817664 01

TABLE V (Continued) T = 0.5 ev

E_n(ev)	σ_γ(barns)	σ_s(barns)	σ_T(barns)
1.3400002 01	2.2034704 01	1.9931984 01	4.1966688 01
1.3500002 01	3.1671892 01	1.9928180 01	5.1600072 01
1.3600002 01	4.3396285 01	2.0090678 01	6.3486963 01
1.3700002 01	5.6481462 01	2.0453457 01	7.6934918 01
1.3800002 01	6.9545956 01	2.1006576 01	9.0552533 01
1.3900002 01	8.0401742 01	2.1668637 01	1.0207038 02
1.3930002 01	8.2827659 01	2.1867042 01	1.0469470 02
1.4000002 01	8.6389836 01	2.2287707 01	1.0867754 02
1.4100002 01	8.5395297 01	2.2687875 01	1.0808317 02
1.4200002 01	7.7042804 01	2.2744728 01	9.9787532 01
1.4250002 01	7.0605563 01	2.2634928 01	9.3240491 01
1.4300002 01	6.3161336 01	2.2443023 01	8.5604360 01
1.4400002 01	4.7051361 01	2.1877130 01	6.8928491 01
1.4500002 01	3.2026211 01	2.1196836 01	5.3223046 01
1.4600002 01	2.0197954 01	2.0538502 01	4.0736456 01
1.5000002 01	3.2923355 00	1.8976360 01	2.2268695 01
1.5400002 01	1.9760631 00	1.8331041 01	2.0307104 01
1.6000002 01	1.6257873 00	1.7674116 01	1.9299903 01
1.6400002 01	1.5676134 00	1.7307498 01	1.8875111 01
1.6800002 01	1.9669421 00	1.6962462 01	1.8929404 01
1.7000002 01	3.4552998 00	1.6814256 01	2.0269555 01
1.7200002 01	8.2633278 00	1.6765069 01	2.5028396 01
1.7300002 01	1.2692412 01	1.6819121 01	2.9511533 01
1.7400002 01	1.8457823 01	1.6942078 01	3.5399900 01
1.7500002 01	2.4938588 01	1.7127131 01	4.2065718 01
1.7600002 01	3.0999047 01	1.7344302 01	4.8343349 01
1.7700002 01	3.5281142 01	1.7544589 01	5.2825731 01
1.7800002 01	3.6697414 01	1.7675025 01	5.4372438 01
1.7900002 01	3.4882155 01	1.7698405 01	5.2580559 01
1.8000002 01	3.0343706 01	1.7607189 01	4.7950896 01
1.8100002 01	2.4231569 01	1.7424143 01	4.1655712 01
1.8200001 01	1.7863347 01	1.7190308 01	3.5053654 01
1.8400002 01	7.9957895 00	1.6728019 01	2.4723809 01
1.8600002 01	3.2772647 00	1.6398890 01	1.9676155 01
1.9000002 01	1.2849943 00	1.6045817 01	1.7330811 01
1.9400002 01	1.0912809 00	1.5815548 01	1.6906829 01
2.0000002 01	1.0294787 00	1.5515241 01	1.6544719 01
2.0600002 01	1.0918940 00	1.5220534 01	1.6312428 01
2.1000002 01	1.4531409 00	1.5004320 01	1.6457461 01
2.1200002 01	2.4212453 00	1.4901799 01	1.7323045 01
2.1400002 01	5.5633713 00	1.4871648 01	2.0435020 01
2.1600002 01	1.3322349 01	1.5058500 01	2.8380849 01
2.1700001 01	1.9409177 01	1.5282789 01	3.4691965 01
2.1800002 01	2.6628978 01	1.5598610 01	4.2227588 01
2.1900001 01	3.4166816 01	1.5979609 01	5.0146425 01
2.2000002 01	4.0849908 01	1.6373367 01	5.7223275 01
2.2100001 01	4.5436360 01	1.6711215 01	6.2147575 01
2.2200002 01	4.7004404 01	1.6927045 01	6.3931450 01
2.2300001 01	4.5276925 01	1.6977796 01	6.2254721 01
2.2400001 01	4.0735389 01	1.6856944 01	5.7592333 01
2.2500002 01	3.4473893 01	1.6595205 01	5.1069098 01
2.2600001 01	2.7871377 01	1.6249419 01	4.4120795 01
2.2700001 01	2.2230227 01	1.5885693 01	3.8115920 01
2.2800001 01	1.8519462 01	1.5564859 01	3.4084321 01
2.2900001 01	1.7272552 01	1.5334916 01	3.2607468 01
2.2950002 01	1.7626040 01	1.5265373 01	3.2891413 01
2.3000002 01	1.8615919 01	1.5230857 01	3.3846775 01
2.3100002 01	2.2363776 01	1.5278558 01	3.7642334 01
2.3200001 01	2.8124051 01	1.5498291 01	4.3622341 01
2.3300001 01	3.5384169 01	1.5904320 01	5.1288490 01
2.3400001 01	4.3560560 01	1.6499007 01	6.0059568 01
2.3500001 01	5.2005197 01	1.7262412 01	6.9267609 01
2.3600001 01	5.9979731 01	1.8141549 01	7.8121280 01

TABLE V (Continued) T = 0.5 ev

E_n(ev)	σ_γ(barns)	σ_s(barns)	σ_T(barns)
2.3800001 01	7.1070984 01	1.9854678 01	9.0925662 01
2.3900002 01	7.2473714 01	2.0441463 01	9.2915178 01
2.3940002 01	7.2062397 01	2.0589720 01	9.2652117 01
2.4000002 01	7.0366520 01	2.0705071 01	9.1071590 01
2.4100001 01	6.4808064 01	2.0600348 01	8.5408413 01
2.4200001 01	5.6459417 01	2.0152206 01	7.6611623 01
2.4300002 01	4.6449427 01	1.9447348 01	6.5896775 01
2.4400001 01	3.6083912 01	1.8607022 01	5.4690934 01
2.4500001 01	2.6518116 01	1.7752619 01	4.4270734 01
2.4600001 01	1.8525421 01	1.6977787 01	3.5503207 01
2.4800001 01	8.1507311 00	1.5838117 01	2.3988849 01
2.5000002 01	3.8558482 00	1.5211713 01	1.9067561 01
2.5200002 01	3.0260934 00	1.4891214 01	1.7917307 01
2.5300002 01	3.3344911 00	1.4790308 01	1.8124799 01
2.5400002 01	3.9394209 00	1.4712377 01	1.8651799 01
2.5500002 01	4.7245682 00	1.4650947 01	1.9375515 01
2.5600002 01	5.5662477 00	1.4601822 01	2.0168069 01
2.5700002 01	6.3373222 00	1.4561506 01	2.0898828 01
2.5800002 01	6.9330281 00	1.4526467 01	2.1459495 01
2.5900002 01	7.3087270 00	1.4493283 01	2.1802010 01
2.6000001 01	7.5140124 00	1.4459535 01	2.1973548 01
2.6100002 01	7.7077926 00	1.4425074 01	2.2132867 01
2.6200002 01	8.1440029 00	1.4393180 01	2.2537183 01
2.6300002 01	9.1255187 00	1.4371043 01	2.3496562 01
2.6400002 01	1.0931750 01	1.4369131 01	2.5300881 01
2.6500001 01	1.3732414 01	1.4399178 01	2.8131592 01
2.6600002 01	1.7507145 01	1.4470929 01	3.1978074 01
2.6700002 01	2.1994647 01	1.4588353 01	3.6583000 01
2.6800002 01	2.6697545 01	1.4746450 01	4.1443994 01
2.6900002 01	3.0955866 01	1.4930053 01	4.5885920 01
2.7000002 01	3.4082513 01	1.5115571 01	4.9198084 01
2.7100002 01	3.5527240 01	1.5275652 01	5.0802892 01
2.7140002 01	3.5561690 01	1.5326787 01	5.0888478 01
2.7200002 01	3.5017644 01	1.5385587 01	5.0403232 01
2.7400002 01	2.8750267 01	1.5402897 01	4.4153164 01
2.7600002 01	1.8975429 01	1.5181678 01	3.4157107 01
2.7800002 01	1.0280417 01	1.4863108 01	2.5143525 01
2.8000002 01	4.8335074 00	1.4578071 01	1.9411578 01
2.8200002 01	2.2527637 00	1.4373618 01	1.6626382 01
2.8600002 01	9.7030107-01	1.4136973 01	1.5107274 01
2.9000002 01	8.7637179-01	1.3999434 01	1.4875806 01
2.9200002 01	9.3793560-01	1.3973984 01	1.4911920 01
2.9400002 01	1.1323214 00	1.4039169 01	1.5171490 01
2.9600002 01	1.6051718 00	1.4311775 01	1.5916947 01
2.9800002 01	2.5449986 00	1.4940604 01	1.7485602 01
3.0000002 01	4.0428070 00	1.5970888 01	2.0013694 01
3.0200001 01	5.9822626 00	1.7171961 01	2.3154223 01
3.0300002 01	7.0781760 00	1.7690406 01	2.4768582 01
3.0400002 01	8.3012626 00	1.8074208 01	2.6375471 01
3.0500002 01	9.7641900 00	1.8290145 01	2.8054335 01
3.0600002 01	1.1649077 01	1.8341390 01	2.9990468 01
3.0700002 01	1.4177133 01	1.8269165 01	3.2446298 01
3.0800002 01	1.7543832 01	1.8142337 01	3.5686169 01
3.0900002 01	2.1830518 01	1.8037344 01	3.9867863 01
3.1000002 01	2.6918749 01	1.8014531 01	4.4933281 01
3.1100002 01	3.2441818 01	1.8098745 01	5.0540563 01
3.1150002 01	3.5187117 01	1.8176692 01	5.3363809 01
3.1200002 01	3.7804193 01	1.8270923 01	5.6075116 01
3.1300002 01	4.2278780 01	1.8473586 01	6.0752367 01
3.1400001 01	4.5164454 01	1.8628463 01	6.3792916 01
3.1500002 01	4.5958295 01	1.8660113 01	6.4618408 01
3.1600002 01	4.4486611 01	1.8517624 01	6.3004235 01
3.1700002 01	4.0950003 01	1.8187499 01	5.9137502 01

TABLE V (Continued) T = 0.5 ev

E_n(ev)	σ_γ(barns)	σ_s(barns)	σ_T(barns)
3.1800002 01	3.5869899 01	1.7694587 01	5.3564486 01
3.2000002 01	2.3954465 01	1.6446133 01	4.0400598 01
3.2200002 01	1.4006234 01	1.5257229 01	2.9263464 01
3.2400001 01	8.6649339 00	1.4422480 01	2.3087413 01
3.2600002 01	7.7366691 00	1.3965054 01	2.1701724 01
3.2700002 01	8.4196429 00	1.3843777 01	2.2263419 01
3.2800001 01	9.5095161 00	1.3771606 01	2.3281122 01
3.2900002 01	1.0724350 01	1.3732960 01	2.4457310 01
3.3000002 01	1.1798786 01	1.3714076 01	2.5512861 01
3.3100002 01	1.2512329 01	1.3703187 01	2.6215516 01
3.3200002 01	1.2717763 01	1.3690771 01	2.6408533 01
3.3300002 01	1.2360968 01	1.3669929 01	2.6030896 01
3.3400002 01	1.1483592 01	1.3636699 01	2.5120291 01
3.3500002 01	1.0206432 01	1.3590053 01	2.3796486 01
3.3600002 01	8.6970068 00	1.3531460 01	2.2228467 01
3.3700002 01	7.1312640 00	1.3464068 01	2.0595332 01
3.3800002 01	5.6599451 00	1.3391722 01	1.9051667 01
3.4000002 01	3.3649449 00	1.3245891 01	1.6610836 01
3.4200002 01	2.0624243 00	1.3111895 01	1.5174319 01
3.4400002 01	1.5064504 00	1.2992512 01	1.4498962 01
3.4800002 01	1.4275685 00	1.2777406 01	1.4204974 01
3.5000002 01	1.6356529 00	1.2679412 01	1.4315065 01
3.5400001 01	3.1909731 00	1.2691789 01	1.5882762 01
3.5600002 01	6.0384000 00	1.3218168 01	1.9256568 01
3.5800001 01	1.2963079 01	1.4915501 01	2.7878580 01
3.6000002 01	2.7685206 01	1.9056251 01	4.6741458 01
3.6100002 01	3.9245089 01	2.2543516 01	6.1788605 01
3.6200002 01	5.4058537 01	2.7212725 01	8.1271262 01
3.6300002 01	7.2110399 01	3.3150962 01	1.0526136 02
3.6400002 01	9.2961754 01	4.0314146 01	1.3327590 02
3.6500002 01	1.1568628 02	4.8486551 01	1.6417283 02
3.6600002 01	1.3888468 02	5.7260947 01	1.9614563 02
3.6700002 01	1.6079582 02	6.6052107 01	2.2684793 02
3.6800002 01	1.7949760 02	7.4148331 01	2.5364592 02
3.7000002 01	2.0038499 02	8.5330505 01	2.8571550 02
3.7100002 01	2.0033189 02	8.7251852 01	2.8758374 02
3.7200002 01	1.9298283 02	8.6353432 01	2.7933626 02
3.7300002 01	1.7910050 02	8.2745613 01	2.6184611 02
3.7400002 01	1.6011492 02	7.6841993 01	2.3695691 02
3.7500002 01	1.3788680 02	6.9285489 01	2.0717229 02
3.7600002 01	1.1440766 02	6.0834621 01	1.7524229 02
3.7700002 01	9.1505922 01	5.2238377 01	1.4374430 02
3.7800002 01	7.0621553 01	4.4129868 01	1.1475143 02
3.7900000 01	5.2682312 01	3.6957413 01	8.9639726 01
3.8000002 01	3.8093847 01	3.0962713 01	6.9056561 01
3.8200002 01	1.8513157 01	2.2585530 01	4.1098687 01
3.8400002 01	8.7033509 00	1.8082340 01	2.6785692 01
3.8600002 01	4.5155856 00	1.5914391 01	2.0429977 01
3.8800002 01	3.0014502 00	1.4894978 01	1.7896428 01
3.9000002 01	2.7544070 00	1.4408285 01	1.7162692 01
3.9200002 01	3.5633698 00	1.4296394 01	1.7859763 01
3.9400001 01	6.1786187 00	1.4760942 01	2.0939561 01
3.9600002 01	1.2179342 01	1.6319187 01	2.8498529 01
3.9800001 01	2.3354660 01	1.9621659 01	4.2976319 01
4.0000001 01	4.0124897 01	2.4941200 01	6.5066097 01
4.0100002 01	4.9880344 01	2.8168562 01	7.8048905 01
4.0200001 01	5.9675008 01	3.1506607 01	9.1181614 01
4.0300002 01	6.8624240 01	3.4667515 01	1.0329175 02
4.0400002 01	7.5800877 01	3.7336474 01	1.1313735 02
4.0600002 01	8.1858990 01	4.0115716 01	1.2197470 02
4.0800002 01	7.5147769 01	3.8671344 01	1.1381861 02
4.0900001 01	6.7811522 01	3.6538847 01	1.0435037 02
4.1000002 01	5.8864582 01	3.3775304 01	9.2639886 01

TABLE V (Continued) T = 0.5 ev

E_n(ev)	σ_γ(barns)	σ_s(barns)	σ_T(barns)
4.1200002 01	3.9811301 01	2.7531954 01	6.7343254 01
4.1400002 01	2.4182763 01	2.1999634 01	4.6182397 01
4.1500002 01	1.8760393 01	1.9885571 01	3.8645965 01
4.1700001 01	1.3304443 01	1.7176179 01	3.0480621 01
4.1900002 01	1.4706002 01	1.6360107 01	3.1066108 01
4.2000002 01	1.7702825 01	1.6566794 01	3.4269619 01
4.2100002 01	2.2005631 01	1.7122582 01	3.9128212 01
4.2200002 01	2.7361709 01	1.7970608 01	4.5332317 01
4.2400001 01	3.9774690 01	2.0231733 01	6.0006422 01
4.2600002 01	5.1369697 01	2.2559560 01	7.3929257 01
4.2700002 01	5.5719407 01	2.3470542 01	7.9189949 01
4.2800001 01	5.8681487 01	2.4092469 01	8.2773956 01
4.2900002 01	6.0137850 01	2.4376294 01	8.4514144 01
4.3000002 01	6.0136438 01	2.4314397 01	8.4450835 01
4.3100002 01	5.8856333 01	2.3938343 01	8.2794675 01
4.3200002 01	5.6549568 01	2.3309229 01	7.9858797 01
4.3400002 01	4.9876071 01	2.1599964 01	7.1476036 01
4.3600002 01	4.1700641 01	1.9750148 01	6.1450790 01
4.3800002 01	3.2922076 01	1.8095125 01	5.1017201 01
4.4000002 01	2.4357948 01	1.6742974 01	4.1100923 01
4.4200002 01	1.7080921 01	1.5702655 01	3.2783576 01
4.4300002 01	1.4256537 01	1.5298081 01	2.9554618 01
4.4400002 01	1.2102316 01	1.4970456 01	2.7072772 01
4.4500002 01	1.0670957 01	1.4719602 01	2.5390559 01
4.4600002 01	9.9839828 00	1.4544808 01	2.4528791 01
4.4700002 01	1.0037572 01	1.4444525 01	2.4482098 01
4.4800002 01	1.0805534 01	1.4415980 01	2.5221514 01
4.5000002 01	1.4249188 01	1.4553094 01	2.8802282 01
4.5200002 01	1.9481224 01	1.4883887 01	3.4365110 01
4.5400002 01	2.5053262 01	1.5283031 01	4.0336293 01
4.5500002 01	2.7438221 01	1.5461430 01	4.2899651 01
4.5600002 01	2.9330264 01	1.5604619 01	4.4934883 01
4.5700002 01	3.0650983 01	1.5704003 01	4.6354986 01
4.5800002 01	3.1416550 01	1.5758913 01	4.7175463 01
4.5900002 01	3.1731416 01	1.5776459 01	4.7507875 01
4.6000002 01	3.1761301 01	1.5769589 01	4.7530890 01
4.6100002 01	3.1689241 01	1.5753518 01	4.7442759 01
4.6200002 01	3.1667088 01	1.5741588 01	4.7408676 01
4.6300002 01	3.1774438 01	1.5741452 01	4.7515889 01
4.6400001 01	3.1997203 01	1.5752805 01	4.7750007 01
4.6600002 01	3.2310053 01	1.5769913 01	4.8079966 01
4.6700002 01	3.2048820 01	1.5743854 01	4.7792674 01
4.6800001 01	3.1293242 01	1.5673728 01	4.6966970 01
4.6900002 01	2.9958899 01	1.5550110 01	4.5509009 01
4.7000002 01	2.8054122 01	1.5372292 01	4.3426414 01
4.7200001 01	2.3009255 01	1.4900660 01	3.7909915 01
4.7400002 01	1.7645602 01	1.4445859 01	3.2091462 01
4.7500002 01	1.5371618 01	1.4323958 01	2.9695577 01
4.7600002 01	1.3597497 01	1.4349973 01	2.7947469 01
4.7700002 01	1.2449547 01	1.4607715 01	2.7057261 01
4.7800002 01	1.2034525 01	1.5212917 01	2.7247443 01
4.7900001 01	1.2464155 01	1.6324128 01	2.8788282 01
4.8000002 01	1.3880965 01	1.8151336 01	3.2032301 01
4.8200002 01	2.0491051 01	2.5051515 01	4.5542567 01
4.8400002 01	3.3843380 01	3.8367407 01	7.2210786 01
4.8600002 01	5.5475021 01	5.9959113 01	1.1543414 02
4.8800002 01	8.4334893 01	8.9061017 01	1.7339591 02
4.9000002 01	1.1509332 02	1.2065389 02	2.3574721 02
4.9100002 01	1.2848080 02	1.3475530 02	2.6323609 02
4.9200002 01	1.3895838 02	1.4615144 02	2.8510982 02
4.9300002 01	1.4553225 02	1.5382313 02	2.9935538 02
4.9400001 01	1.4755141 02	1.5706936 02	3.0462077 02
4.9500002 01	1.4481293 02	1.5561674 02	3.0042968 02

TABLE V (Continued) T = 0.5 ev

E_n(ev)	σ_γ(barns)	σ_s(barns)	σ_T(barns)
4.9600002 01	1.3759385 02	1.4966061 02	2.8725446 02
4.9700002 01	1.2660289 02	1.3982753 02	2.6643043 02
4.9800002 01	1.1286531 02	1.2706996 02	2.3993527 02
5.0000001 01	8.1875685 01	9.7311394 01	1.7918708 02
5.0200002 01	5.3192641 01	6.8788749 01	1.2198139 02
5.0400000 01	3.1859220 01	4.6703220 01	7.8562439 01
5.0600002 01	1.8715573 01	3.2244807 01	5.0960380 01
5.0700002 01	1.4688090 01	2.7475487 01	4.2163577 01
5.0800002 01	1.1924422 01	2.3977630 01	3.5902052 01
5.1000002 01	8.9305424 00	1.9693579 01	2.8624122 01
5.1100002 01	8.1850850 00	1.8447155 01	2.6632239 01
5.1200002 01	7.6914062 00	1.7567672 01	2.5259078 01
5.1300002 01	7.3303406 00	1.6936951 01	2.4267291 01
5.1400002 01	7.0271175 00	1.6471912 01	2.3499030 01
5.1500002 01	6.7406425 00	1.6116284 01	2.2856927 01
5.1800002 01	5.8678166 00	1.5398048 01	2.1265864 01
5.2000002 01	5.3003519 00	1.5063385 01	2.0363737 01
5.2200002 01	4.7836921 00	1.4786348 01	1.9570040 01
5.2400002 01	4.3330081 00	1.4546302 01	1.8879310 01
5.2600002 01	3.9688926 00	1.4331314 01	1.8300207 01
5.2800002 01	3.7239349 00	1.4134355 01	1.7858290 01
5.2900002 01	3.6524302 00	1.4041432 01	1.7693861 01
5.3000002 01	3.6122658 00	1.3951859 01	1.7564124 01
5.3100002 01	3.5966689 00	1.3865449 01	1.7462118 01
5.3200002 01	3.5960538 00	1.3782072 01	1.7378127 01
5.3300002 01	3.6003724 00	1.3701725 01	1.7302097 01
5.3400001 01	3.6024322 00	1.3624756 01	1.7227188 01
5.3500002 01	3.6019609 00	1.3552265 01	1.7154226 01
5.3600002 01	3.6098597 00	1.3486737 01	1.7096596 01
5.3700002 01	3.6522777 00	1.3432911 01	1.7085188 01
5.3800001 01	3.7742736 00	1.3398920 01	1.7173195 01
5.3900002 01	4.0426976 00	1.3397596 01	1.7440294 01
5.4000002 01	4.5479184 00	1.3447799 01	1.7995717 01
5.4200001 01	6.7438057 00	1.3814165 01	2.0557971 01
5.4400002 01	1.1463470 01	1.4789360 01	2.6252831 01
5.4600002 01	1.9754149 01	1.6715732 01	3.6469881 01
5.4800002 01	3.1932141 01	1.9809735 01	5.1741876 01
5.5000001 01	4.6813662 01	2.3910080 01	7.0723743 01
5.5100002 01	5.4403304 01	2.6138958 01	8.0542262 01
5.5200002 01	6.1455632 01	2.8316831 01	8.9772463 01
5.5300001 01	6.7463912 01	3.0293995 01	9.7757907 01
5.5400002 01	7.1973226 01	3.1923286 01	1.0389651 02
5.5500002 01	7.4647204 01	3.3080366 01	1.0772757 02
5.5600002 01	7.5321887 01	3.3682110 01	1.0900400 02
5.5700002 01	7.4037226 01	3.3700131 01	1.0773736 02
5.5800002 01	7.1038359 01	3.3166217 01	1.0420458 02
5.5900002 01	6.6746597 01	3.2168995 01	9.8915592 01
5.6000001 01	6.1704342 01	3.0842123 01	9.2546465 01
5.6100002 01	5.6501944 01	2.9345776 01	8.5847720 01
5.6200002 01	5.1700080 01	2.7845093 01	7.9545173 01
5.6300002 01	4.7759175 01	2.6489076 01	7.4248251 01
5.6400001 01	4.4984770 01	2.5392636 01	7.0377405 01
5.6500002 01	4.3497568 01	2.4624728 01	6.8122296 01
5.6600002 01	4.3228988 01	2.4203416 01	6.7432405 01
5.6700002 01	4.3942880 01	2.4098096 01	6.8040976 01
5.6800002 01	4.5277574 01	2.4237877 01	6.9515451 01
5.6900002 01	4.6802330 01	2.4524492 01	7.1326823 01
5.7000002 01	4.8080023 01	2.4847951 01	7.2927974 01
5.7100002 01	4.8726290 01	2.5102099 01	7.3828388 01
5.7200002 01	4.8457447 01	2.5198482 01	7.3655928 01
5.7300002 01	4.7120472 01	2.5076253 01	7.2196725 01
5.7400001 01	4.4702571 01	2.4707383 01	6.9409954 01
5.7500002 01	4.1319128 01	2.4096595 01	6.5415723 01

TABLE V (Continued) T = 0.5 ev

E_n(ev)	σ_γ(barns)	σ_s(barns)	σ_T(barns)
5.7600002 01	3.7185729 01	2.3276740 01	6.0462469 01
5.7700002 01	3.2578063 01	2.2300723 01	5.4878787 01
5.7800001 01	2.7790340 01	2.1232003 01	4.9022342 01
5.7900002 01	2.3096320 01	2.0134905 01	4.3231225 01
5.8000001 01	1.8721194 01	1.9066886 01	3.7788079 01
5.8200002 01	1.1498502 01	1.7183562 01	2.8682064 01
5.8400002 01	6.6207891 00	1.5767239 01	2.2388028 01
5.8600001 01	3.8260819 00	1.4808520 01	1.8634601 01
5.8800000 01	2.5720337 00	1.4198945 01	1.6770979 01
5.9000000 01	2.3993857 00	1.3819135 01	1.6218520 01
5.9200001 01	3.0574432 00	1.3583469 01	1.6640912 01
5.9400001 01	4.4333692 00	1.3445302 01	1.7878671 01
5.9600001 01	6.3903974 00	1.3381615 01	1.9772012 01
5.9800001 01	8.6296275 00	1.3373719 01	2.2003346 01
6.0000001 01	1.0673476 01	1.3394697 01	2.4068172 01
6.0200002 01	1.2003134 01	1.3408959 01	2.5412094 01
6.0300000 01	1.2281312 01	1.3402539 01	2.5683851 01
6.0400000 01	1.2277482 01	1.3382679 01	2.5660161 01
6.0600000 01	1.1487038 01	1.3297160 01	2.4784198 01
6.0800000 01	9.9350853 00	1.3155321 01	2.3090406 01
6.1000001 01	8.0674319 00	1.2976922 01	2.1044354 01
6.1200002 01	6.2768070 00	1.2786805 01	1.9063611 01
6.1400002 01	4.7995652 00	1.2604640 01	1.7404206 01
6.1600002 01	3.7278238 00	1.2442461 01	1.6170285 01
6.1800002 01	3.0781690 00	1.2311090 01	1.5389260 01
6.2000001 01	2.8519828 00	1.2235722 01	1.5087704 01
6.2200002 01	3.0705719 00	1.2286473 01	1.5357045 01
6.2400002 01	3.8143699 00	1.2638044 01	1.6452413 01
6.2600002 01	5.3064266 00	1.3673393 01	1.8979820 01
6.2800002 01	8.0444460 00	1.6121154 01	2.4165600 01
6.3000001 01	1.2907714 01	2.1150321 01	3.4058036 01
6.3200002 01	2.1078552 01	3.0259592 01	5.1338143 01
6.3400002 01	3.3607442 01	4.4776916 01	7.8384358 01
6.3600002 01	5.0626120 01	6.4959404 01	1.1558553 02
6.3800002 01	7.0541604 01	8.9044835 01	1.5958644 02
6.4000001 01	8.9827326 01	1.1295244 02	2.0277976 02
6.4200002 01	1.0388264 02	1.3121026 02	2.3509291 02
6.4400001 01	1.0879324 02	1.3898136 02	2.4777461 02
6.4600002 01	1.0309684 02	1.3418737 02	2.3728422 02
6.4800001 01	8.8470471 01	1.1844521 02	2.0691567 02
6.5000001 01	6.8910993 01	9.6235380 01	1.6514638 02
6.5200001 01	4.8959049 01	7.2869749 01	1.2182880 02
6.5400002 01	3.2051406 01	5.2508737 01	8.4560144 01
6.5600001 01	1.9800787 01	3.7204552 01	5.7005340 01
6.5800000 01	1.2279771 01	2.7119904 01	3.9399175 01
6.6000001 01	8.8336611 00	2.1408589 01	3.0242250 01
6.6200002 01	8.8598761 00	1.9106058 01	2.7965934 01
6.6400002 01	1.2187726 01	1.9637555 01	3.1825281 01
6.6600001 01	1.8984441 01	2.2860685 01	4.1845127 01
6.6800000 01	2.9269740 01	2.8745503 01	5.8014742 01
6.7000002 01	4.2285741 01	3.6895038 01	7.9180380 01
6.7100002 01	4.9260622 01	4.1497408 01	9.0758029 01
6.7200002 01	5.6105925 01	4.6178566 01	1.0228449 02
6.7300000 01	6.2431787 01	5.0684837 01	1.1311622 02
6.7400001 01	6.7840922 01	5.4746521 01	1.2258655 02
6.7500001 01	7.1967768 01	5.8103096 01	1.3007047 02
6.7700002 01	7.5320899 01	6.1866456 01	1.3718736 02
6.7900002 01	7.1567089 01	6.1017559 01	1.3258465 02
6.8000001 01	6.7304893 01	5.8928601 01	1.2623349 02
6.8100001 01	6.1831692 01	5.5924447 01	1.1775614 02
6.8200002 01	5.5524456 01	5.2222655 01	1.0774711 02
6.8300000 01	4.8786543 01	4.8068528 01	9.6855071 01
6.8400002 01	4.2009702 01	4.3709723 01	8.5719425 01

TABLE V (Continued) T = 0.5 ev

E_n(ev)	σ_γ(barns)	σ_s(barns)	σ_T(barns)
6.8599999 01	2.9662635 01	3.5249181 01	6.4911816 01
6.8800001 01	2.0403022 01	2.8155999 01	4.8559021 01
6.9000002 01	1.4930234 01	2.2985989 01	3.7916222 01
6.9200001 01	1.2952475 01	1.9671664 01	3.2624139 01
6.9400001 01	1.3567881 01	1.7804755 01	3.1372635 01
6.9600001 01	1.5591511 01	1.6885255 01	3.2476765 01
6.9700001 01	1.6745948 01	1.6636368 01	3.3382316 01
6.9800000 01	1.7806744 01	1.6463581 01	3.4270325 01
7.0000002 01	1.9206451 01	1.6198484 01	3.5404935 01
7.0100002 01	1.9402557 01	1.6052484 01	3.5455040 01
7.0300001 01	1.8711246 01	1.5661084 01	3.4372330 01
7.0500002 01	1.6914916 01	1.5132839 01	3.2047756 01
7.0600000 01	1.5844124 01	1.4841776 01	3.0685901 01
7.0800000 01	1.3989031 01	1.4300314 01	2.8289345 01
7.1000002 01	1.3349327 01	1.3971200 01	2.7320528 01
7.1200002 01	1.4690955 01	1.4045798 01	2.8736753 01
7.1400001 01	1.8333071 01	1.4683275 01	3.3016346 01
7.1600002 01	2.4076760 01	1.6004849 01	4.0081609 01
7.1800000 01	3.1346186 01	1.8165187 01	4.9511373 01
7.2000002 01	3.9620946 01	2.1547846 01	6.1168692 01
7.2100001 01	4.4153681 01	2.3955524 01	6.8109204 01
7.2200001 01	4.9115050 01	2.7074442 01	7.6189492 01
7.2300000 01	5.4751726 01	3.1150994 01	8.5902720 01
7.2400002 01	6.1408975 01	3.6485694 01	9.7894670 01
7.2500002 01	6.9510321 01	4.3418611 01	1.1292893 02
7.2600002 01	7.9516767 01	5.2301341 01	1.3181811 02
7.2700002 01	9.1870536 01	6.3458264 01	1.5532880 02
7.2800000 01	1.0692124 02	7.7134376 01	1.8405561 02
7.2900001 01	1.2484699 02	9.3437955 01	2.1828495 02
7.3000002 01	1.4558176 02	1.1228622 02	2.5786798 02
7.3100000 01	1.6875530 02	1.3335714 02	3.0211245 02
7.3200002 01	1.9367303 02	1.5607201 02	3.4974504 02
7.3300000 01	2.1931767 02	1.7959010 02	3.9890776 02
7.3400002 01	2.4441705 02	2.0285844 02	4.4727549 02
7.3500002 01	2.6753198 02	2.2467586 02	4.9220784 02
7.3600001 01	2.8719461 02	2.4380081 02	5.3099542 02
7.3700002 01	3.0205457 02	2.5906890 02	5.6112346 02
7.3900002 01	3.1338921 02	2.7445385 02	5.8784305 02
7.4000002 01	3.0891342 02	2.7360429 02	5.8251770 02
7.4100002 01	2.9783863 02	2.6706814 02	5.6490677 02
7.4200002 01	2.8086107 02	2.5533561 02	5.3619668 02
7.4300001 01	2.5905351 02	2.3922630 02	4.9827981 02
7.4400001 01	2.3373702 02	2.1979005 02	4.5352707 02
7.4500002 01	2.0634877 02	1.9819907 02	4.0454784 02
7.4600000 01	1.7830037 02	1.7563183 02	3.5393221 02
7.4700002 01	1.5085850 02	1.5316949 02	3.0402799 02
7.4900002 01	1.0167212 02	1.1197904 02	2.1365116 02
7.5000002 01	8.1159699 01	9.4392433 01	1.7555213 02
7.5100001 01	6.3731528 01	7.9192110 01	1.4292364 02
7.5200002 01	4.9370788 01	6.6413503 01	1.1578429 02
7.5300000 01	3.7897197 01	5.5944489 01	9.3841687 01
7.5400000 01	2.9025341 01	4.7572094 01	7.6597434 01
7.5600002 01	1.7739854 01	3.6028306 01	5.3768159 01
7.5800001 01	1.2922126 01	2.9583220 01	4.2505346 01
7.6000002 01	1.2555930 01	2.6423923 01	3.8979853 01
7.6200002 01	1.5283382 01	2.5324140 01	4.0607521 01
7.6400002 01	2.0095759 01	2.5516753 01	4.5612511 01
7.6600001 01	2.5973998 01	2.6468687 01	5.2442684 01
7.6700002 01	2.8945327 01	2.7082801 01	5.6028128 01
7.6800000 01	3.1725398 01	2.7711972 01	5.9437371 01
7.6900001 01	3.4158463 01	2.8299938 01	6.2458400 01
7.7000002 01	3.6105502 01	2.8794507 01	6.4900009 01
7.7200002 01	3.8138961 01	2.9335287 01	6.7474248 01

TABLE V (Continued) T = 0.5 ev

E_n(ev)	σ_γ(barns)	σ_s(barns)	σ_T(barns)
7.7400002 01	3.7431632 01	2.9117938 01	6.6549570 01
7.7500002 01	3.6117481 01	2.8717980 01	6.4835461 01
7.7600000 01	3.4274615 01	2.8147369 01	6.2421984 01
7.7700001 01	3.2017643 01	2.7437021 01	5.9454664 01
7.7800000 01	2.9471553 01	2.6624229 01	5.6095782 01
7.8000002 01	2.3997062 01	2.4849586 01	4.8846648 01
7.8200002 01	1.8672789 01	2.3110179 01	4.1782967 01
7.8400001 01	1.4005175 01	2.1599188 01	3.5604363 01
7.8600002 01	1.0197435 01	2.0394894 01	3.0592329 01
7.8800000 01	7.2582666 00	1.9486493 01	2.6744759 01
7.9000002 01	5.1124537 00	1.8817687 01	2.3930140 01
7.9200001 01	3.6652945 00	1.8323448 01	2.1988742 01
7.9400002 01	2.8223346 00	1.7949956 01	2.0772291 01
7.9600002 01	2.4856443 00	1.7659819 01	2.0145463 01
7.9800000 01	2.5442120 00	1.7429328 01	1.9973541 01
8.0000002 01	2.8667433 00	1.7243357 01	2.0110101 01
8.0200002 01	3.3025798 00	1.7090802 01	2.0393381 01
8.0400002 01	3.6960889 00	1.6961705 01	2.0657794 01
8.0500002 01	3.8336444 00	1.6902865 01	2.0736510 01
8.0600001 01	3.9144066 00	1.6846224 01	2.0760630 01
8.0700002 01	3.9305849 00	1.6790659 01	2.0721244 01
8.0800000 01	3.8792199 00	1.6735183 01	2.0614403 01
8.0900002 01	3.7622328 00	1.6678980 01	2.0441212 01
8.1000002 01	3.5860143 00	1.6621437 01	2.0207452 01
8.1200002 01	3.0990026 00	1.6501029 01	1.9600031 01
8.1400001 01	2.5228073 00	1.6373378 01	1.8896185 01
8.1600000 01	1.9651699 00	1.6240389 01	1.8205559 01
8.1800002 01	1.5090169 00	1.6105044 01	1.7614060 01
8.2000002 01	1.2053895 00	1.5970340 01	1.7175729 01
8.2200002 01	1.0872949 00	1.5839215 01	1.6926510 01
8.2400000 01	1.1954803 00	1.5715626 01	1.6911106 01
8.3000002 01	3.7821717 00	1.5480350 01	1.9262521 01
8.3400002 01	8.4002194 00	1.5582352 01	2.3982571 01
8.3600001 01	1.1440091 01	1.5738731 01	2.7178821 01
8.3800000 01	1.4516554 01	1.5949908 01	3.0466462 01
8.4000002 01	1.7148534 01	1.6191380 01	3.3339914 01
8.4100002 01	1.8163873 01	1.6317695 01	3.4481568 01
8.4300000 01	1.9460269 01	1.6586728 01	3.6046998 01
8.4500002 01	1.9882000 01	1.6923771 01	3.6805771 01
8.4600001 01	1.9902672 01	1.7150222 01	3.7052894 01
8.4800000 01	2.0020739 01	1.7814169 01	3.7834907 01
8.4900002 01	2.0327311 01	1.8294193 01	3.8621504 01
8.5000002 01	2.0929188 01	1.8898837 01	3.9828025 01
8.5100002 01	2.1900805 01	1.9641760 01	4.1542565 01
8.5200002 01	2.3286750 01	2.0528673 01	4.3814923 01
8.5300000 01	2.5092102 01	2.1554977 01	4.6647078 01
8.5400001 01	2.7283292 01	2.2703989 01	4.9987281 01
8.5500002 01	2.9783128 01	2.3946337 01	5.3729465 01
8.5700002 01	3.5220938 01	2.6535056 01	6.1755994 01
8.5900002 01	4.0200173 01	2.8889125 01	6.9089298 01
8.6000002 01	4.2108104 01	2.9829964 01	7.1938068 01
8.6100001 01	4.3438131 01	3.0543321 01	7.3981452 01
8.6200002 01	4.4088404 01	3.0990981 01	7.5079384 01
8.6300000 01	4.3999186 01	3.1149897 01	7.5149084 01
8.6400002 01	4.3158171 01	3.1014663 01	7.4172835 01
8.6600002 01	3.9397718 01	2.9925104 01	6.9322823 01
8.6800001 01	3.3528173 01	2.7989691 01	6.1517864 01
8.7000002 01	2.6627432 01	2.5613872 01	5.2241304 01
8.7200002 01	1.9777791 01	2.3205819 01	4.2983610 01
8.7400002 01	1.3788757 01	2.1069740 01	3.4857998 01
8.7500002 01	1.1261369 01	2.0158042 01	3.1419410 01
8.7600001 01	9.0750737 00	1.9361350 01	2.8436424 01
8.7800000 01	5.6943795 00	1.8103014 01	2.3797393 01

TABLE V (Continued) T = 0.5 ev

E_n(ev)	σ_γ(barns)	σ_s(barns)	σ_T(barns)
8.8000002 01	3.4637782 00	1.7231697 01	2.0695475 01
8.8400002 01	1.3195457 00	1.6265522 01	1.7585067 01
8.9000002 01	5.7103940-01	1.5666266 01	1.6237305 01
8.9500002 01	4.7788769-01	1.5384834 01	1.5862722 01
9.0000002 01	4.6499730-01	1.5154423 01	1.5619415 01
9.0400002 01	4.8300192-01	1.4982766 01	1.5465767 01
9.1000002 01	6.3654319-01	1.4746480 01	1.5383023 01
9.1400002 01	1.1475209 00	1.4703940 01	1.5851461 01
9.1800000 01	2.9903543 00	1.5139071 01	1.8129425 01
9.2000002 01	5.0106007 00	1.5787826 01	2.0798427 01
9.2200002 01	8.1820079 00	1.6915121 01	2.5097129 01
9.2400001 01	1.2746204 01	1.8649386 01	3.1395591 01
9.2600000 01	1.8717552 01	2.1035792 01	3.9753343 01
9.2800000 01	2.5741059 01	2.3969657 01	4.9710716 01
9.3000002 01	3.3034905 01	2.7159322 01	6.0194226 01
9.3200002 01	3.9488102 01	3.0151872 01	6.9639974 01
9.3400002 01	4.3923408 01	3.2432646 01	7.6356055 01
9.3600002 01	4.5447071 01	3.3571732 01	7.9018803 01
9.3800001 01	4.3744762 01	3.3360642 01	7.7104903 01
9.3900001 01	4.1774097 01	3.2762426 01	7.4536522 01
9.4000002 01	3.9185707 01	3.1878117 01	7.1063824 01
9.4100000 01	3.6110562 01	3.0756676 01	6.6867237 01
9.4200002 01	3.2696076 01	2.9455942 01	6.2152019 01
9.4400002 01	2.5447946 01	2.6563000 01	5.2010946 01
9.4600001 01	1.8520014 01	2.3661889 01	4.2181903 01
9.4800000 01	1.2654312 01	2.1096832 01	3.3751145 01
9.5000002 01	8.1763116 00	1.9045779 01	2.7222091 01
9.5200002 01	5.0604150 00	1.7535348 01	2.2595763 01
9.5400002 01	3.0699331 00	1.6492567 01	1.9562500 01
9.5600000 01	1.8988722 00	1.5802768 01	1.7701590 01
9.5800000 01	1.2707714 00	1.5352978 01	1.6623749 01
9.6000002 01	9.8731686-01	1.5054900 01	1.6042217 01
9.6400001 01	1.0986832 00	1.4715583 01	1.5814267 01
9.7000002 01	3.5006890 00	1.4775141 01	1.8275831 01
9.7200001 01	5.3228775 00	1.5043428 01	2.0366306 01
9.7400002 01	7.7766049 00	1.5483229 01	2.3259833 01
9.7600002 01	1.0769811 01	1.6092182 01	2.6861992 01
9.7800000 01	1.4036297 01	1.6826615 01	3.0862911 01
9.8000002 01	1.7149869 01	1.7598110 01	3.4747979 01
9.8100000 01	1.8491003 01	1.7960705 01	3.6451707 01
9.8300000 01	2.0438547 01	1.8559780 01	3.8998327 01
9.8500002 01	2.1113948 01	1.8899656 01	4.0013604 01
9.8700002 01	2.0387420 01	1.8914721 01	3.9302141 01
9.8900002 01	1.8413094 01	1.8605048 01	3.7018142 01
9.9000002 01	1.7072793 01	1.8346178 01	3.5418971 01
9.9100002 01	1.5577473 01	1.8033625 01	3.3611098 01
9.9200002 01	1.3991671 01	1.7681396 01	3.1673068 01
9.9400001 01	1.0792622 01	1.6915640 01	2.7708262 01
9.9600000 01	7.8895360 00	1.6155550 01	2.4045086 01
9.9800002 01	5.5391816 00	1.5481610 01	2.1020792 01
1.0000002 02	3.8363015 00	1.4943936 01	1.8780238 01
1.0020002 02	2.7617875 00	1.4575299 01	1.7337086 01
1.0050002 02	2.2003386 00	1.4441875 01	1.6642213 01
1.0080002 02	2.9071714 00	1.5169025 01	1.8076196 01
1.0100002 02	4.3155046 00	1.6550208 01	2.0865712 01
1.0120002 02	6.8315435 00	1.9140120 01	2.5971663 01
1.0140002 02	1.0875243 01	2.3487620 01	3.4362863 01
1.0160002 02	1.6859395 01	3.0144797 01	4.7004191 01
1.0180002 02	2.5020639 01	3.9475941 01	6.4496579 01
1.0200002 02	3.5218567 01	5.1415390 01	8.6633957 01
1.0220002 02	4.6778328 01	6.5260459 01	1.1203879 02
1.0240002 02	5.8469373 01	7.9611136 01	1.3808051 02
1.0260002 02	6.8694175 01	9.2554490 01	1.6124867 02

TABLE V (Continued) T = 0.5 ev

E_n(ev)	σ_γ(barns)	σ_s(barns)	σ_T(barns)
1.0280002 02	7.5869561 01	1.0208640 02	1.7795596 02
1.0300002 02	7.8893868 01	1.0666310 02	1.8555697 02
1.0320002 02	7.7519428 01	1.0567564 02	1.8319507 02
1.0340002 02	7.2468200 01	9.9650252 01	1.7211845 02
1.0360002 02	6.5223486 01	9.0085654 01	1.5530914 02
1.0380002 02	5.7570819 01	7.8988841 01	1.3655966 02
1.0390002 02	5.4098191 01	7.3487975 01	1.2758617 02
1.0400002 02	5.1060768 01	6.8294578 01	1.1935535 02
1.0410002 02	4.8546565 01	6.3559214 01	1.1210578 02
1.0420002 02	4.6590364 01	5.9380713 01	1.0597108 02
1.0430002 02	4.5175355 01	5.5805505 01	1.0098086 02
1.0440002 02	4.4239212 01	5.2831150 01	9.7070362 01
1.0460002 02	4.3386396 01	4.8478151 01	9.1864547 01
1.0480002 02	4.3030947 01	4.5655556 01	8.8686502 01
1.0500002 02	4.2178457 01	4.3535036 01	8.5713493 01
1.0520002 02	4.0152248 01	4.1420062 01	8.1572310 01
1.0540002 02	3.6740422 01	3.8916391 01	7.5656813 01
1.0560002 02	3.2164494 01	3.5959007 01	6.8123501 01
1.0580002 02	2.6919370 01	3.2726267 01	5.9645637 01
1.0600002 02	2.1574004 01	2.9504779 01	5.1078783 01
1.0620002 02	1.6609373 01	2.6564042 01	4.3173415 01
1.0640002 02	1.2333800 01	2.4079717 01	3.6413517 01
1.0650002 02	1.0500628 01	2.3032047 01	3.3532675 01
1.0660002 02	8.8755805 00	2.2113524 01	3.0989104 01
1.0680002 02	6.2239668 00	2.0634920 01	2.6858887 01
1.0700002 02	4.2855709 00	1.9560475 01	2.3846046 01
1.0750002 02	1.7407923 00	1.8020128 01	1.9760921 01
1.0800002 02	1.3011263 00	1.7303627 01	1.8604753 01
1.0850002 02	2.5972657 00	1.7052172 01	1.9649438 01
1.0900002 02	5.9779934 00	1.7337420 01	2.3315414 01
1.0930002 02	8.6790654 00	1.7745138 01	2.6424203 01
1.0950002 02	1.0374605 01	1.8045087 01	2.8419692 01
1.0970002 02	1.1687159 01	1.8287161 01	2.9974320 01
1.1000002 02	1.2471302 01	1.8399705 01	3.0871007 01
1.1030002 02	1.1598859 01	1.8076930 01	2.9675788 01
1.1050002 02	1.0243854 01	1.7573959 01	2.7817812 01
1.1070002 02	8.5230866 00	1.6906746 01	2.5429833 01
1.1100002 02	5.8064487 00	1.5652656 01	2.1459105 01

TABLE VI

Hf CROSS SECTIONS

Hf 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)
2.5300002-02	1.0265375 02	1.0256380 01	1.1291013 02
3.5000002-02	8.8190437 01	9.9984217 00	9.8188858 01
5.0000007-02	7.5003800 01	9.8003826 00	8.4804183 01
8.0000007-02	6.1335546 01	9.6374226 00	7.0972969 01
1.0000002-01	5.6158082 01	9.5901332 00	6.5748215 01
2.0000002-01	4.5150823 01	9.5530543 00	5.4703877 01
3.0000005-01	4.2925030 01	9.6401410 00	5.2565172 01
4.0000006-01	4.4727287 01	9.8178139 00	5.4545101 01
5.0000002-01	5.0491485 01	1.0126430 01	6.0617916 01
6.0000002-01	6.2816293 01	1.0684898 01	7.3501191 01
7.0000002-01	9.2807153 01	1.1909290 01	1.0471645 02
8.0000002-01	2.0780918 02	1.6069986 01	2.2387917 02
9.0000002-01	6.6837054 02	3.1344132 01	6.9971468 02
9.5000002-01	1.0993627 03	4.5044785 01	1.1444075 03
1.0000002 00	1.5707618 03	5.9520050 01	1.6302819 03
1.0400002 00	1.8627166 03	6.8000260 01	1.9307168 03
1.0700002 00	1.9768292 03	7.0871536 01	2.0477008 03
1.1000002 00	1.9805396 03	7.0193497 01	2.0507241 03
1.1300002 00	1.8768528 03	6.6156113 01	1.9430089 03
1.1600002 00	1.6868931 03	5.9506882 01	1.7463970 03
1.2000002 00	1.3556578 03	4.8440353 01	1.4040982 03
1.3000002 00	5.7760327 02	2.3619774 01	6.0122305 02
1.4000002 00	2.0485725 02	1.2433884 01	2.1729113 02
1.5000002 00	9.4730159 01	9.5653010 00	1.0429546 02
1.6000002 00	6.8513481 01	9.3301925 00	7.7843674 01
1.6500001 00	6.5721215 01	9.6038036 00	7.5325019 01
1.7000002 00	6.6823917 01	1.0112931 01	7.6936847 01
1.8000002 00	8.2100598 01	1.2419065 01	9.4519663 01
1.9000002 00	1.3755534 02	2.0034721 01	1.5759007 02
2.0000002 00	3.1857849 02	4.5958619 01	3.6453712 02
2.1000002 00	7.8244709 02	1.1478591 02	8.9723299 02
2.1500002 00	1.1495837 03	1.7034431 02	1.3199251 03
2.2000002 00	1.5786028 03	2.3616457 02	1.8147673 03
2.2500002 00	2.0095837 03	3.0337595 02	2.3129596 03
2.3000002 00	2.3631438 03	3.5990955 02	2.7230534 03
2.3500002 00	2.5649144 03	3.9416013 02	2.9590745 03
2.4000002 00	2.5718774 03	3.9905646 02	2.9709338 03
2.4500002 00	2.3874651 03	3.7452100 02	2.7619860 03
2.5000002 00	2.0581627 03	3.2714316 02	2.3853059 03
2.5500002 00	1.6545409 03	2.6741844 02	1.9219593 03
2.6000002 00	1.2471071 03	2.0609442 02	1.4532015 03
2.7000002 00	6.0301361 02	1.0729254 02	7.1030614 02
2.8000002 00	2.5642040 02	5.2690483 01	3.0911088 02
3.0000002 00	6.3148839 01	1.9978248 01	8.0127087 01
3.2000002 00	3.0367654 01	1.4014368 01	4.4382022 01
3.4000002 00	2.1534136 01	1.1805380 01	3.3339517 01
3.6000002 00	1.7642572 01	1.0583663 01	2.8226236 01
4.0000002 00	1.5151944 01	9.2330590 00	2.4385003 01
4.4000002 00	1.6152692 01	8.5148406 00	2.4667533 01
4.8000001 00	1.7973262 01	8.3107679 00	2.6281029 01
4.8000002 00	2.1909088 01	8.2676688 00	3.0176756 01
5.0000002 00	3.5654011 01	8.9116044 00	4.4565615 01
5.2000002 00	9.4487405 01	1.2996601 01	1.0748401 02
5.3000002 00	1.6318753 02	1.8287807 01	1.8147534 02
5.4000002 00	2.6696213 02	2.6747593 01	2.9370972 02
5.5000002 00	3.9891916 02	3.8100460 01	4.3701962 02
5.6000001 00	5.3607022 02	5.0641739 01	5.8671196 02
5.7000002 00	6.4515233 02	6.1624931 01	7.0677727 02
5.7500002 00	6.7960772 02	6.5730477 01	7.4533819 02
5.8000002 00	6.9776608 02	6.8706497 01	7.6647258 02
5.9000002 00	6.8700128 02	7.1827034 01	7.5882832 02
6.0000002 00	6.3453260 02	7.4262825 01	7.0879543 02
6.1000002 00	5.8171428 02	8.1709198 01	6.6342348 02

TABLE VI (Continued) T = 1.0 ev

E_n(ev)	σ_γ(barns)	σ_s(barns)	σ_T(barns)
6.1500001 00	5.6822662 02	8.9038765 01	6.5726539 02
6.2000001 00	5.6790472 02	9.9280098 01	6.6718481 02
6.2200001 00	5.7173665 02	1.0419111 02	6.7592776 02
6.2500000 00	5.8162830 02	1.1236712 02	6.9399541 02
6.3000002 00	6.0798550 02	1.2781330 02	7.3579880 02
6.4000002 00	6.8294838 02	1.6194177 02	8.4489015 02
6.4500002 00	7.2055956 02	1.7810163 02	8.9866119 02
6.5000002 00	7.5051369 02	1.9193414 02	9.4244784 02
6.6000002 00	7.7014839 02	2.0902075 02	9.7916913 02
6.7000002 00	7.2708564 02	2.1138246 02	9.3846810 02
6.7500002 00	6.8707479 02	2.0931948 02	8.9639426 02
6.8000002 00	6.4135697 02	2.0771572 02	8.4907269 02
6.9000002 00	5.6011324 02	2.1779985 02	7.7791310 02
6.9500002 00	5.3974256 02	2.3706548 02	7.7680803 02
7.0000002 00	5.4329943 02	2.7191442 02	8.1521386 02
7.1000001 00	6.5276077 02	4.0985913 02	1.0626199 03
7.2000002 00	9.4417904 02	6.7600438 02	1.6201834 03
7.3000002 00	1.4522610 03	1.1043578 03	2.5566188 03
7.4000001 00	2.1642171 03	1.6928565 03	3.8570736 03
7.5000000 00	2.9934125 03	2.3785451 03	5.3719576 03
7.6000002 00	3.7786872 03	3.0347757 03	6.8134629 03
7.7000001 00	4.3273050 03	3.5050415 03	7.8323475 03
7.8000002 00	4.4898017 03	3.6640687 03	8.1538704 03
7.9000002 00	4.2261084 03	3.4731246 03	7.6992330 03
8.0000002 00	3.6219959 03	2.9955689 03	6.6175647 03
8.1000001 00	2.8465248 03	2.3641111 03	5.2106359 03
8.2000002 00	2.0789691 03	1.7223878 03	3.8013569 03
8.3000002 00	1.4472556 03	1.1752032 03	2.6224588 03
8.4000001 00	1.0033770 03	7.6876483 02	1.7721419 03
8.5000000 00	7.3439528 02	4.9962726 02	1.2340226 03
8.6000002 00	5.9112733 02	3.3722076 02	9.2834809 02
8.7000002 00	5.1666366 02	2.4487035 02	7.6153400 02
8.8000002 00	4.6539483 02	1.9219435 02	6.5758917 02
8.9000001 00	4.1094480 02	1.5910035 02	5.7004515 02
9.0000000 00	3.4532320 02	1.3471530 02	4.8003850 02
9.1000002 00	2.7286567 02	1.1444022 02	3.8730589 02
9.2000002 00	2.0269420 02	9.7025467 01	2.9971967 02
9.4000001 00	9.6951991 01	7.0855584 01	1.6780758 02
9.6000001 00	4.4705400 01	5.5372648 01	1.0007805 02
1.0000002 01	1.7380824 01	4.1401583 01	5.8782407 01
1.0400002 01	1.1399077 01	3.4765853 01	4.6164930 01
1.1000002 01	7.3303724 00	2.8987637 01	3.6318009 01
1.1400002 01	5.8138255 00	2.6488750 01	3.2302575 01
1.2000002 01	4.4241594 00	2.3807833 01	2.8231992 01
1.2400002 01	3.9967589 00	2.2450500 01	2.6447259 01
1.2800002 01	5.3697428 00	2.1297545 01	2.6667288 01
1.3000002 01	8.7955951 00	2.0807182 01	2.9602778 01
1.3200002 01	1.6289892 01	2.0451729 01	3.6741621 01
1.3300002 01	2.2008765 01	2.0362580 01	4.2371345 01
1.3400002 01	2.9031290 01	2.0355057 01	4.9386347 01
1.3500002 01	3.7077390 01	2.0440438 01	5.7517828 01
1.3600002 01	4.5603152 01	2.0618728 01	6.6221880 01
1.3700002 01	5.3821429 01	2.0873875 01	7.4695303 01
1.3800002 01	6.0793191 01	2.1172256 01	8.1965447 01
1.3900002 01	6.5587111 01	2.1466127 01	8.7053238 01
1.4000002 01	6.7477292 01	2.1702153 01	8.9179445 01
1.4100002 01	6.6123068 01	2.1833033 01	8.7956100 01
1.4200002 01	6.1669410 01	2.1828533 01	8.3497943 01
1.4300002 01	5.4726009 01	2.1682126 01	7.6408135 01
1.4400002 01	4.6226491 01	2.1411056 01	6.7637548 01
1.4500002 01	3.7213976 01	2.1050153 01	5.8264129 01
1.4600002 01	2.8623497 01	2.0641919 01	4.9265416 01
1.5000002 01	7.2793079 00	1.9185174 01	2.6464482 01

TABLE VI (Continued) T = 1.0 ev

E_n(ev)	σ_γ(barns)	σ_s(barns)	σ_T(barns)
1.5400002 01	2.4149485 00	1.8381244 01	2.0796192 01
1.5000002 01	1.6691558 00	1.7683059 01	1.9352214 01
1.6400002 01	1.8018553 00	1.7311892 01	1.9113747 01
1.6800002 01	3.8643292 00	1.7012722 01	2.0877052 01
1.7000002 01	7.0835934 00	1.6941572 01	2.4025166 01
1.7200002 01	1.2429338 01	1.6968044 01	2.9397382 01
1.7400002 01	1.9098133 01	1.7094253 01	3.6192386 01
1.7600002 01	2.4781104 01	1.7258578 01	4.2039682 01
1.7800002 01	2.6834199 01	1.7353576 01	4.4187774 01
1.8000002 01	2.4226712 01	1.7295903 01	4.1522615 01
1.8200001 01	1.8348182 01	1.7085305 01	3.5433486 01
1.8400002 01	1.1834798 01	1.6794310 01	2.8629107 01
1.8600002 01	6.7212291 00	1.6506809 01	2.3228038 01
1.9000002 01	2.0663967 00	1.6087002 01	1.8153399 01
1.9400002 01	1.1802535 00	1.5824070 01	1.7004323 01
2.0000002 01	1.0507335 00	1.5513660 01	1.6564393 01
2.0600002 01	1.3373729 00	1.5216219 01	1.6553592 01
2.1000002 01	3.2458208 00	1.5058739 01	1.8304560 01
2.1200002 01	6.0714025 00	1.5055959 01	2.1127361 01
2.1400002 01	1.0996816 01	1.5162512 01	2.6159328 01
2.1600002 01	1.7999506 01	1.5405887 01	3.3405394 01
2.1800002 01	2.5842321 01	1.5754519 01	4.1596839 01
2.2000002 01	3.2244166 01	1.6103270 01	4.8347436 01
2.2200002 01	3.5091559 01	1.6317272 01	5.1408830 01
2.2400001 01	3.3972752 01	1.6318896 01	5.0291648 01
2.2600001 01	3.0744204 01	1.6154903 01	4.6899107 01
2.2700001 01	2.9320132 01	1.6059494 01	4.5379626 01
2.2800001 01	2.8547490 01	1.5990095 01	4.4537586 01
2.2900001 01	2.8718073 01	1.5972974 01	4.4691047 01
2.3000002 01	2.9992705 01	1.6030351 01	4.6023056 01
2.3100002 01	3.2382453 01	1.6177366 01	4.8559818 01
2.3200001 01	3.5749232 01	1.6419591 01	5.2168823 01
2.3400001 01	4.4232542 01	1.7155420 01	6.1387962 01
2.3600001 01	5.2309782 01	1.8058314 01	7.0368095 01
2.3800001 01	5.6627286 01	1.8824487 01	7.5451773 01
2.3900002 01	5.6635520 01	1.9059842 01	7.5695361 01
2.4000002 01	5.5076047 01	1.9160881 01	7.4236929 01
2.4100001 01	5.2039372 01	1.9117536 01	7.1156908 01
2.4200001 01	4.7755590 01	1.8934824 01	6.6690413 01
2.4400001 01	3.6848819 01	1.8236429 01	5.5085248 01
2.4600001 01	2.5437743 01	1.7309081 01	4.2746824 01
2.4800001 01	1.6047493 01	1.6407672 01	3.2455165 01
2.5000002 01	9.8253951 00	1.5689590 01	2.5514985 01
2.5200002 01	6.6282009 00	1.5192945 01	2.1821145 01
2.5300002 01	5.9142729 00	1.5017079 01	2.0931352 01
2.5400002 01	5.6304655 00	1.4879460 01	2.0509926 01
2.5500002 01	5.6690374 00	1.4772396 01	2.0441433 01
2.5600002 01	5.9446037 00	1.4689158 01	2.0633759 01
2.5800002 01	7.0093344 00	1.4574581 01	2.1583915 01
2.6000001 01	8.7209398 00	1.4512343 01	2.3233283 01
2.6200002 01	1.1305384 01	1.4500965 01	2.5806348 01
2.6400002 01	1.4947352 01	1.4550034 01	2.9497385 01
2.6600002 01	1.9345580 01	1.4663083 01	3.4008664 01
2.6800002 01	2.3521664 01	1.4821315 01	3.8342979 01
2.7000002 01	2.6125255 01	1.4980312 01	4.1105266 01
2.7100002 01	2.6480669 01	1.5041953 01	4.1522622 01
2.7200002 01	2.6114780 01	1.5083898 01	4.1198677 01
2.7400002 01	2.3350385 01	1.5093299 01	3.8443685 01
2.7600002 01	1.8666171 01	1.5002938 01	3.3669109 01
2.7800002 01	1.3394773 01	1.4840676 01	2.8235448 01
2.8000002 01	8.7168230 00	1.4649439 01	2.3366262 01
2.8200002 01	5.2561316 00	1.4466843 01	1.9722974 01
2.8600002 01	1.8772095 00	1.4203915 01	1.6081125 01

TABLE VI (Continued) T = 1.0 ev

E_n(ev)	σ_γ(barns)	σ_s(barns)	σ_T(barns)
2.9000002 01	1.2096245 00	1.4142675 01	1.5352299 01
2.9200002 01	1.3580160 00	1.4240499 01	1.5598515 01
2.9400002 01	1.7722425 00	1.4474774 01	1.6247017 01
2.9600002 01	2.5037139 00	1.4876447 01	1.7380161 01
2.9800002 01	3.6434461 00	1.5440499 01	1.9083945 01
3.0000002 01	5.3240829 00	1.6108351 01	2.1432434 01
3.0200001 01	7.7389110 00	1.6778388 01	2.4517298 01
3.0400002 01	1.1124568 01	1.7347235 01	2.8471803 01
3.0600002 01	1.5635459 01	1.7756533 01	3.3391992 01
3.0800002 01	2.1104178 01	1.8007868 01	3.9112045 01
3.1000002 01	2.6824380 01	1.8131374 01	4.4955754 01
3.1200002 01	3.1584327 01	1.8135861 01	4.9720188 01
3.1400001 01	3.4075608 01	1.7987785 01	5.2063393 01
3.1500002 01	3.4190017 01	1.7840843 01	5.2030860 01
3.1600002 01	3.3515054 01	1.7640012 01	5.1155067 01
3.1700002 01	3.2109099 01	1.7386043 01	4.9495142 01
3.1800002 01	3.0092738 01	1.7084372 01	4.7177110 01
3.2000002 01	2.4927447 01	1.6380883 01	4.1308330 01
3.2200002 01	1.9544127 01	1.5639862 01	3.5183989 01
3.2400001 01	1.5202856 01	1.4973375 01	3.0176232 01
3.2600002 01	1.2457662 01	1.4451738 01	2.6909399 01
3.2700002 01	1.1647124 01	1.4251544 01	2.5898669 01
3.2800001 01	1.1120031 01	1.4088800 01	2.5208831 01
3.2900002 01	1.0785025 01	1.3958609 01	2.4743634 01
3.3000002 01	1.0548217 01	1.3854968 01	2.4403186 01
3.3200002 01	1.0047190 01	1.3702375 01	2.3749565 01
3.3400002 01	9.1745449 00	1.3586776 01	2.2761321 01
3.3500002 01	8.5600806 00	1.3533053 01	2.2093133 01
3.3600002 01	7.8469746 00	1.3479002 01	2.1325977 01
3.3800002 01	6.2592340 00	1.3366388 01	1.9625622 01
3.4000002 01	4.7101716 00	1.3248198 01	1.7958370 01
3.4200002 01	3.4489575 00	1.3130184 01	1.6579142 01
3.4400002 01	2.6110281 00	1.3022459 01	1.5633487 01
3.4800002 01	2.4531866 00	1.2939435 01	1.5392621 01
3.5000002 01	3.4492176 00	1.3103826 01	1.6553044 01
3.5400001 01	1.0324021 01	1.4824391 01	2.5148412 01
3.5500002 01	1.8355415 01	1.7155324 01	3.5510739 01
3.5800001 01	3.1154737 01	2.1140318 01	5.2295025 01
3.6000002 01	4.9487665 01	2.7186726 01	7.6674391 01
3.6100002 01	6.0643951 01	3.1013453 01	9.1657405 01
3.6200002 01	7.2866653 01	3.5319787 01	1.0818644 02
3.6400002 01	9.9005816 01	4.4931162 01	1.4393698 02
3.6600002 01	1.2388244 02	5.4706329 01	1.7858877 02
3.6700002 01	1.3432160 02	5.9102318 01	1.9342392 02
3.6800002 01	1.4263715 02	6.2858061 01	2.0549521 02
3.7000002 01	1.5110001 02	6.7650133 01	2.1875014 02
3.7100002 01	1.5074216 02	6.8411117 01	2.1915327 02
3.7200002 01	1.4730078 02	6.8008579 01	2.1530936 02
3.7400002 01	1.3221700 02	6.3926194 01	1.9614320 02
3.7600002 01	1.0937358 02	5.6449024 01	1.6582270 02
3.7800002 01	8.3516692 01	4.7257817 01	1.3077451 02
3.8000002 01	5.9042122 01	3.8070211 01	9.7112333 01
3.8200002 01	3.8886098 01	3.0152484 01	6.9038582 01
3.8400002 01	2.4224510 01	2.4120249 01	4.8344759 01
3.8600002 01	1.4868762 01	2.0028333 01	3.4897095 01
3.8800002 01	9.9753327 00	1.7618965 01	2.7594297 01
3.9000002 01	8.6819010 00	1.6573517 01	2.5255418 01
3.9200002 01	1.0443187 01	1.6666177 01	2.7109364 01
3.9400001 01	1.5019374 01	1.7788680 01	3.2808054 01
3.9600002 01	2.2200022 01	1.9869943 01	4.2069965 01
3.9800001 01	3.1427733 01	2.2746557 01	5.4174290 01
4.0000001 01	4.1534213 01	2.6058535 01	6.7592748 01
4.0200001 01	5.0780537 01	2.9240275 01	8.0020811 01

TABLE VI (Continued) T = 1.0 ev

E_n(ev)	σ_γ(barns)	σ_s(barns)	σ_T(barns)
4.0300002 01	5.4475566 01	3.0575600 01	8.5051166 01
4.0400002 01	5.7262708 01	3.1636239 01	8.8898947 01
4.0600002 01	5.9548909 01	3.2706079 01	9.2254988 01
4.0800002 01	5.7247170 01	3.2222929 01	8.9470099 01
4.0900001 01	5.4597905 01	3.1439120 01	8.6037025 01
4.1000002 01	5.1209635 01	3.0363200 01	8.1572835 01
4.1200002 01	4.3264715 01	2.7642025 01	7.0906739 01
4.1400002 01	3.5609716 01	2.4729765 01	6.0339480 01
4.1500002 01	3.2510755 01	2.3400744 01	5.5911500 01
4.1700001 01	2.8613612 01	2.1287977 01	4.9901589 01
4.1900002 01	2.8208292 01	2.0091106 01	4.8299397 01
4.2000002 01	2.9246971 01	1.9841798 01	4.9088768 01
4.2200002 01	3.3224822 01	1.9924459 01	5.3149282 01
4.2400001 01	3.8582299 01	2.0515109 01	5.9097409 01
4.2600002 01	4.3795934 01	2.1244637 01	6.5040570 01
4.2800001 01	4.7532487 01	2.1780362 01	6.9312849 01
4.3000002 01	4.8937971 01	2.1903457 01	7.0841428 01
4.3200002 01	4.7757981 01	2.1543038 01	6.9301019 01
4.3400002 01	4.4284349 01	2.0762383 01	6.5046732 01
4.3600002 01	3.9187462 01	1.9709979 01	5.8897441 01
4.3800002 01	3.3318173 01	1.8560179 01	5.1878351 01
4.4000002 01	2.7538757 01	1.7465987 01	4.5004744 01
4.4200002 01	2.2601369 01	1.6534914 01	3.9136283 01
4.4400002 01	1.9061611 01	1.5825219 01	3.4886831 01
4.4500002 01	1.7920328 01	1.5559815 01	3.3480142 01
4.4600002 01	1.7218105 01	1.5353082 01	3.2571187 01
4.4700002 01	1.6946921 01	1.5202091 01	3.2149011 01
4.4800002 01	1.7081121 01	1.5102467 01	3.2183587 01
4.5000002 01	1.8385853 01	1.5034195 01	3.3420049 01
4.5200002 01	2.0661693 01	1.5094798 01	3.5756491 01
4.5400002 01	2.3349321 01	1.5226313 01	3.8575635 01
4.5600002 01	2.5932568 01	1.5376424 01	4.1308993 01
4.5800002 01	2.8036075 01	1.5506152 01	4.3542227 01
4.6000002 01	2.9453344 01	1.5592337 01	4.5045681 01
4.6200002 01	3.0105792 01	1.5625483 01	4.5731275 01
4.6400001 01	2.9977392 01	1.5607465 01	4.5584847 01
4.6600002 01	2.9082130 01	1.5556286 01	4.4638415 01
4.6700002 01	2.8365750 01	1.5532347 01	4.3898096 01
4.6800001 01	2.7494191 01	1.5523830 01	4.3018021 01
4.7000002 01	2.5425888 01	1.5628832 01	4.1054720 01
4.7200001 01	2.3302456 01	1.6100946 01	3.9403402 01
4.7400002 01	2.1787545 01	1.7324402 01	3.9111947 01
4.7600002 01	2.1736051 01	1.9858702 01	4.1594753 01
4.7700002 01	2.2550488 01	2.1833071 01	4.4383559 01
4.7800002 01	2.4074380 01	2.4402403 01	4.8476782 01
4.7900001 01	2.6403750 01	2.7654543 01	5.4058294 01
4.8000002 01	2.9612194 01	3.1663860 01	6.1276054 01
4.8200002 01	3.8794755 01	4.2124690 01	8.0919445 01
4.8400002 01	5.1430267 01	5.5734126 01	1.0716439 02
4.8600002 01	6.6481109 01	7.1642032 01	1.3812314 02
4.8800002 01	8.2047387 01	8.8122110 01	1.7016950 02
4.9000002 01	9.5648048 01	1.0280275 02	1.9845080 02
4.9200002 01	1.0478741 02	1.1320582 02	2.1799324 02
4.9300002 01	1.0707251 02	1.1617093 02	2.2324344 02
4.9400001 01	1.0764818 02	1.1743733 02	2.2508552 02
4.9500002 01	1.0648400 02	1.1695426 02	2.2343827 02
4.9600002 01	1.0364075 02	1.1476047 02	2.1840123 02
4.9800002 01	9.3574858 01	1.0581278 02	1.9938764 02
5.0000001 01	7.9377427 01	9.2375522 01	1.7175295 02
5.0200002 01	6.3483237 01	7.6806914 01	1.4029015 02
5.0400000 01	4.8157076 01	6.1382530 01	1.0953961 02
5.0600002 01	3.4998133 01	4.7790169 01	8.2788302 01
5.0800002 01	2.4755884 01	3.6916157 01	6.1672041 01

TABLE VI (Continued) T = 1.0 ev

E_n(ev)	σ_γ(barns)	σ_s(barns)	σ_T(barns)
5.1000002 01	1.7435434 01	2.8911812 01	4.6347246 01
5.1200002 01	1.2567012 01	2.3428949 01	3.5995961 01
5.1500002 01	8.4402503 00	1.8664107 01	2.7104357 01
5.1800002 01	6.4278478 00	1.6387289 01	2.2815137 01
5.2000002 01	5.6410078 00	1.5580673 01	2.1221681 01
5.2400002 01	4.6485270 00	1.4704433 01	1.9352960 01
5.2600002 01	4.3315006 00	1.4433782 01	1.8765283 01
5.3000002 01	4.0674919 00	1.4050346 01	1.8117838 01
5.3500002 01	5.1432583 00	1.3950482 01	1.9093740 01
5.3800001 01	7.5819214 00	1.4358032 01	2.1939954 01
5.4000002 01	1.0541670 01	1.4989961 01	2.5531630 01
5.4200001 01	1.4882960 01	1.6010756 01	3.0893715 01
5.4400002 01	2.0708020 01	1.7471514 01	3.8179534 01
5.4600002 01	2.7843089 01	1.9354000 01	4.7197089 01
5.4800002 01	3.5774786 01	2.1544642 01	5.7319428 01
5.5000001 01	4.3688713 01	2.3833520 01	6.7522234 01
5.5200002 01	5.0629574 01	2.5948289 01	7.6577863 01
5.5400002 01	5.5745986 01	2.7618272 01	8.3364258 01
5.5600002 01	5.8538239 01	2.8649961 01	8.7188200 01
5.5800002 01	5.9002010 01	2.8982916 01	8.7984926 01
5.6000001 01	5.7601893 01	2.8702382 01	8.6304275 01
5.6200002 01	5.5075578 01	2.8000693 01	8.3076271 01
5.6400001 01	5.2151119 01	2.7103532 01	7.9254650 01
5.6600002 01	4.9297098 01	2.6192175 01	7.5489273 01
5.6800002 01	4.6608448 01	2.5353616 01	7.1962064 01
5.7000002 01	4.3861989 01	2.4575246 01	6.8437235 01
5.7100002 01	4.2354261 01	2.4185639 01	6.6539900 01
5.7200002 01	4.0699340 01	2.3780171 01	6.4479510 01
5.7400001 01	3.6840462 01	2.2881337 01	5.9721800 01
5.7600002 01	3.2233821 01	2.1828893 01	5.4062715 01
5.7800001 01	2.7092128 01	2.0632851 01	4.7724978 01
5.8000001 01	2.1819688 01	1.9356982 01	4.1176670 01
5.8200002 01	1.6881635 01	1.8093253 01	3.4974889 01
5.8400002 01	1.2677560 01	1.6931402 01	2.9608962 01
5.8600001 01	9.4614066 00	1.5936102 01	2.5397509 01
5.8800000 01	7.3201222 00	1.5137579 01	2.2457701 01
5.9000000 01	6.1960144 00	1.4534429 01	2.0730443 01
5.9200001 01	5.9286934 00	1.4103247 01	2.0031941 01
5.9400001 01	6.2966399 00	1.3809566 01	2.0106206 01
5.9600001 01	7.0505366 00	1.3616395 01	2.0666932 01
5.9800001 01	7.9402202 00	1.3489408 01	2.1429629 01
6.0000001 01	8.7396783 00	1.3399350 01	2.2139028 01
6.0200002 01	9.2721209 00	1.3323142 01	2.2595263 01
6.0300000 01	9.4017223 00	1.3284857 01	2.2686580 01
6.0400000 01	9.4307837 00	1.3244480 01	2.2675264 01
6.0600000 01	9.1899952 00	1.3154443 01	2.2344438 01
6.0800000 01	8.6013785 00	1.3052237 01	2.1653615 01
6.1000001 01	7.7767288 00	1.2946581 01	2.0723309 01
6.1200002 01	6.8636001 00	1.2858668 01	1.9722268 01
6.1400002 01	6.0228699 00	1.2828386 01	1.8851256 01
6.1600002 01	5.4165561 00	1.2925452 01	1.8342007 01
6.1800002 01	5.2095630 00	1.3266047 01	1.8475610 01
6.2000001 01	5.5834204 00	1.4032968 01	1.9616388 01
6.2200002 01	6.7541278 00	1.5492757 01	2.2246885 01
6.2400002 01	8.9814034 00	1.7998403 01	2.6979806 01
6.2600002 01	1.2554366 01	2.1962461 01	3.4516827 01
6.2800002 01	1.7741127 01	2.7787440 01	4.5528567 01
6.3000001 01	2.4700162 01	3.5751189 01	6.0451351 01
6.3200002 01	3.3367631 01	4.5864320 01	7.9231951 01
6.3400002 01	4.3354273 01	5.7738048 01	1.0109232 02
6.3600002 01	5.3899990 01	7.0520923 01	1.2442092 02
6.3800002 01	6.3924139 01	8.2948683 01	1.4687279 02
6.4000001 01	7.2189723 01	9.3531736 01	1.6572146 02

TABLE VI (Continued) T = 1.0 ev

E_n(ev)	σ_γ(barns)	σ_s(barns)	σ_T(barns)
6.4200002 01	7.7550582 01	1.0084732 02	1.7839791 02
6.4400001 01	7.9217308 01	1.0385979 02	1.8307709 02
6.4600002 01	7.6956920 01	1.0217012 02	1.7912704 02
6.4800001 01	7.1162188 01	9.6114377 01	1.6727657 02
6.5000001 01	6.2766476 01	8.6677696 01	1.4944417 02
6.5200001 01	5.3040093 01	7.5261745 01	1.2830184 02
6.5400002 01	4.3336093 01	6.3384492 01	1.0672059 02
6.5600001 01	3.4862220 01	5.2406332 01	8.7268552 01
6.5800000 01	2.8526327 01	4.3344722 01	7.1871049 01
6.6000001 01	2.4870117 01	3.6802496 01	6.1672613 01
6.6200002 01	2.4067583 01	3.2985690 01	5.7053273 01
6.6400002 01	2.5954588 01	3.1768463 01	5.7723051 01
6.6600001 01	3.0067612 01	3.2768844 01	6.2836455 01
6.6800000 01	3.5687881 01	3.5415078 01	7.1102959 01
6.7000002 01	4.1906120 01	3.9006782 01	8.0912902 01
6.7200002 01	4.7725349 01	4.2784505 01	9.0509855 01
6.7400001 01	5.2203167 01	4.6016819 01	9.8219986 01
6.7500001 01	5.3698926 01	4.7232008 01	1.0093093 02
6.7700002 01	5.4905588 01	4.8579357 01	1.0348495 02
6.7900002 01	5.3634242 01	4.8299905 01	1.0193415 02
6.8000001 01	5.2132701 01	4.7548464 01	9.9681164 01
6.8200002 01	4.7729981 01	4.4963505 01	9.2693486 01
6.8400002 01	4.2088192 01	4.1269779 01	8.3357970 01
6.8599999 01	3.6040836 01	3.6960801 01	7.3001636 01
6.8800001 01	3.0352462 01	3.2536486 01	6.2888948 01
6.9000002 01	2.5577207 01	2.8409801 01	5.3987008 01
6.9200001 01	2.1990077 01	2.4852932 01	4.6843008 01
6.9400001 01	1.9593427 01	2.1985715 01	4.1579142 01
6.9600001 01	1.8187682 01	1.9800637 01	3.7988319 01
6.9800000 01	1.7476760 01	1.8207883 01	3.5684643 01
7.0000002 01	1.7176906 01	1.7085071 01	3.4261977 01
7.0100002 01	1.7117786 01	1.6663510 01	3.3781296 01
7.0300001 01	1.7131848 01	1.6046939 01	3.3178788 01
7.0500002 01	1.7368651 01	1.5700937 01	3.3069587 01
7.0600000 01	1.7620584 01	1.5632489 01	3.3253073 01
7.0800000 01	1.8549782 01	1.5748903 01	3.4298685 01
7.1000002 01	2.0304779 01	1.6318211 01	3.6622990 01
7.1200002 01	2.3224153 01	1.7555645 01	4.0779797 01
7.1400001 01	2.7666630 01	1.9779682 01	4.7446312 01
7.1600002 01	3.4020517 01	2.3427231 01	5.7447749 01
7.1800000 01	4.2722851 01	2.9052816 01	7.1775666 01
7.2000002 01	5.4256160 01	3.7291050 01	9.1547211 01
7.2200001 01	6.9084500 01	4.8760845 01	1.1784535 02
7.2400002 01	8.7507898 01	6.3905026 01	1.5141292 02
7.2600002 01	1.0944703 02	8.2783899 01	1.9223093 02
7.2800000 01	1.3421290 02	1.0487026 02	2.3908315 02
7.3000002 01	1.6035350 02	1.2892205 02	2.8927555 02
7.3200002 01	1.8567390 02	1.5300452 02	3.3867842 02
7.3400002 01	2.0748341 02	1.7470732 02	3.8219073 02
7.3600001 01	2.2304935 02	1.9153502 02	4.1458437 02
7.3700002 01	2.2776360 02	1.9743661 02	4.2520021 02
7.3900002 01	2.3011883 02	2.0326997 02	4.3338880 02
7.4000002 01	2.2761946 02	2.0301971 02	4.3063917 02
7.4200002 01	2.1556598 02	1.9628483 02	4.1185081 02
7.4400001 01	1.9544435 02	1.8218895 02	3.7763331 02
7.4600000 01	1.6970569 02	1.6263778 02	3.3234347 02
7.4700002 01	1.5564897 02	1.5155983 02	3.0720880 02
7.4900002 01	1.2702288 02	1.2834681 02	2.5536969 02
7.5000002 01	1.1313024 02	1.1678559 02	2.2991583 02
7.5100001 01	9.9902057 01	1.0558670 02	2.0548876 02
7.5200002 01	8.7564543 01	9.4950369 01	1.8251491 02
7.5300000 01	7.6289610 01	8.5033186 01	1.6132280 02
7.5400000 01	6.6194604 01	7.5947143 01	1.4214175 02

TABLE VI (Continued) T = 1.0 ev

E_n(ev)	σ_γ(barns)	σ_s(barns)	σ_T(barns)
7.5600002 01	4.9760980 01	6.0511042 01	1.1027202 02
7.5800001 01	3.8259820 01	4.8767108 01	8.7026928 01
7.6000002 01	3.1143058 01	4.0396478 01	7.1539536 01
7.6200002 01	2.7537324 01	3.4822819 01	6.2360143 01
7.6400002 01	2.6437105 01	3.1374698 01	5.7811803 01
7.6600001 01	2.6850995 01	2.9401941 01	5.6252937 01
7.6800000 01	2.7900615 01	2.8343110 01	5.6243726 01
7.7000002 01	2.8882938 01	2.7755723 01	5.6638661 01
7.7200002 01	2.9303802 01	2.7321989 01	5.6625791 01
7.7400002 01	2.8886982 01	2.6840260 01	5.5727242 01
7.7600000 01	2.7558984 01	2.6208394 01	5.3767378 01
7.7800000 01	2.5413528 01	2.5402589 01	5.0816116 01
7.8000002 01	2.2659351 01	2.4453271 01	4.7112621 01
7.8200002 01	1.9562537 01	2.3421160 01	4.2983696 01
7.8400001 01	1.6393010 01	2.2375922 01	3.8768932 01
7.8600002 01	1.3383586 01	2.1379926 01	3.4763512 01
7.8800000 01	1.0706108 01	2.0478690 01	3.1184798 01
7.9000002 01	8.4636826 00	1.9697646 01	2.8161329 01
7.9200001 01	6.6949855 00	1.9043839 01	2.5738824 01
7.9400002 01	5.3859729 00	1.8510559 01	2.3896532 01
7.9600002 01	4.4841881 00	1.8082668 01	2.2566855 01
7.9800000 01	3.9130076 00	1.7741440 01	2.1654448 01
8.0000002 01	3.5845229 00	1.7467991 01	2.1052514 01
8.0200002 01	3.4106694 00	1.7245266 01	2.0655935 01
8.0400002 01	3.3126185 00	1.7058924 01	2.0371542 01
8.0600001 01	3.2281667 00	1.6897499 01	2.0125666 01
8.0700002 01	3.1774176 00	1.6823303 01	2.0000720 01
8.0800000 01	3.1166783 00	1.6752254 01	1.9868932 01
8.1000002 01	2.9612112 00	1.6616887 01	1.9578097 01
8.1200002 01	2.7678515 00	1.6487297 01	1.9255148 01
8.1400001 01	2.5625630 00	1.6361382 01	1.8923945 01
8.1600000 01	2.3866009 00	1.6238859 01	1.8625460 01
8.1800002 01	2.2913201 00	1.6121143 01	1.8412463 01
8.2000002 01	2.3329428 00	1.6011192 01	1.8344135 01
8.2200002 01	2.5672149 00	1.5913331 01	1.8480546 01
8.2400001 01	3.0437249 00	1.5833017 01	1.8876742 01
8.3000002 01	6.1893351 00	1.5762467 01	2.1951801 01
8.3200002 01	7.7767239 00	1.5819443 01	2.3596167 01
8.3400002 01	9.5490998 00	1.5930141 01	2.5479241 01
8.3600001 01	1.1427050 01	1.6105380 01	2.7532430 01
8.3800000 01	1.3332883 01	1.6359742 01	2.9692624 01
8.4000002 01	1.5210250 01	1.6712600 01	3.1922850 01
8.4500002 01	1.9758374 01	1.8184068 01	3.7942441 01
8.5000002 01	2.4703647 01	2.0702308 01	4.5405955 01
8.5300000 01	2.8006369 01	2.2606432 01	5.0612802 01
8.5500002 01	3.0150309 01	2.3895425 01	5.4045734 01
8.5700002 01	3.2003584 01	2.5075257 01	5.7078841 01
8.5900002 01	3.3313842 01	2.6030527 01	5.9344369 01
8.6000002 01	3.3689646 01	2.6390984 01	6.0080629 01
8.6200002 01	3.3764155 01	2.6827186 01	6.0591340 01
8.6400002 01	3.2851599 01	2.6847590 01	5.9699189 01
8.6600002 01	3.0958222 01	2.6451715 01	5.7409937 01
8.6800001 01	2.8212324 01	2.5686876 01	5.3899200 01
8.7000002 01	2.4839978 01	2.4638191 01	4.9478168 01
8.7200002 01	2.1123341 01	2.3412729 01	4.4536070 01
8.7400002 01	1.7351425 01	2.2120892 01	3.9472317 01
8.7600001 01	1.3776812 01	2.0860256 01	3.4637067 01
8.7800000 01	1.0586499 01	1.9704710 01	3.0291208 01
8.8000002 01	7.8897993 00	1.8699851 01	2.6589650 01
8.8400002 01	4.0595422 00	1.7194351 01	2.1253893 01
8.9000002 01	1.4061977 00	1.5971939 01	1.7378136 01
8.9500002 01	7.2838860-01	1.5486409 01	1.6214798 01
9.0000002 01	6.0927216-01	1.5204095 01	1.5813367 01

TABLE VI (Continued) T = 1.0 ev

E_n(ev)	σ_γ(barns)	σ_s(barns)	σ_T(barns)
9.0400002 01	7.7993175-01	1.5075127 01	1.5855059 01
9.1000002 01	1.9108779 00	1.5208181 01	1.7119059 01
9.1400002 01	3.9425356 00	1.5803935 01	1.9746471 01
9.1800000 01	7.7306009 00	1.7142597 01	2.4873198 01
9.2000002 01	1.0410013 01	1.8162988 01	2.8573001 01
9.2200002 01	1.3585128 01	1.9420099 01	3.3005226 01
9.2400001 01	1.7144222 01	2.0878531 01	3.8022753 01
9.2600000 01	2.0894290 01	2.2467156 01	4.3361447 01
9.2800000 01	2.4571517 01	2.4081378 01	4.8652894 01
9.3000002 01	2.7868694 01	2.5592889 01	5.3461583 01
9.3200002 01	3.0476033 01	2.6865596 01	5.7341629 01
9.3400002 01	3.2129750 01	2.7776176 01	5.9905927 01
9.3600002 01	3.2655669 01	2.8233681 01	6.0889349 01
9.3800001 01	3.2000078 01	2.8194773 01	6.0194850 01
9.4000002 01	3.0238784 01	2.7670605 01	5.7909389 01
9.4200002 01	2.7563198 01	2.6723790 01	5.4286987 01
9.4400002 01	2.4246207 01	2.5456265 01	4.9702471 01
9.4600001 01	2.0597792 01	2.3991731 01	4.4589524 01
9.4800000 01	1.6919125 01	2.2456141 01	3.9375265 01
9.5000002 01	1.3465377 01	2.0960861 01	3.4426237 01
9.5200002 01	1.0424083 01	1.9591655 01	3.0015738 01
9.5400002 01	7.9087732 00	1.8403835 01	2.6312609 01
9.5600000 01	5.9672566 00	1.7423970 01	2.3391226 01
9.5800000 01	4.5983139 00	1.6655625 01	2.1253939 01
9.6000002 01	3.7710726 00	1.6087188 01	1.9858259 01
9.6400001 01	3.5664571 00	1.5471517 01	1.9037974 01
9.7000002 01	6.2131182 00	1.5560526 01	2.1773643 01
9.7200001 01	7.6684723 00	1.5790514 01	2.3458986 01
9.7400002 01	9.2740906 00	1.6087137 01	2.5361227 01
9.7600002 01	1.0914112 01	1.6423429 01	2.7337541 01
9.7800000 01	1.2455577 01	1.6767461 01	2.9223038 01
9.8000002 01	1.3761323 01	1.7084443 01	3.0845766 01
9.8100000 01	1.4286086 01	1.7222028 01	3.1508114 01
9.8300000 01	1.5015210 01	1.7436299 01	3.2451509 01
9.8500002 01	1.5262577 01	1.7550219 01	3.2812795 01
9.8700002 01	1.5008945 01	1.7551726 01	3.2560671 01
9.8900002 01	1.4291022 01	1.7443924 01	3.1734947 01
9.9000002 01	1.3783828 01	1.7354596 01	3.1138424 01
9.9100002 01	1.3197197 01	1.7246779 01	3.0443975 01
9.9200002 01	1.2548452 01	1.7125694 01	2.9674145 01
9.9400001 01	1.1141533 01	1.6870099 01	2.8011632 01
9.9600000 01	9.7249992 00	1.6651424 01	2.6376423 01
9.9800002 01	8.4651921 00	1.6551371 01	2.5016563 01
1.0000002 02	7.5231393 00	1.6670841 01	2.4193981 01
1.0020002 02	7.0501169 00	1.7130994 01	2.4181112 01
1.0050002 02	7.5214889 00	1.8771727 01	2.6293216 01
1.0080002 02	9.7708963 00	2.2022286 01	3.1793183 01
1.0100002 02	1.2412193 01	2.5329992 01	3.7742185 01
1.0120002 02	1.6017321 01	2.9670165 01	4.5687486 01
1.0140002 02	2.0558566 01	3.5063383 01	5.5621949 01
1.0160002 02	2.5923247 01	4.1423831 01	6.7347078 01
1.0180002 02	3.1901586 01	4.8538183 01	8.0439769 01
1.0200002 02	3.8188746 01	5.6062742 01	9.4251488 01
1.0220002 02	4.4406744 01	6.3544894 01	1.0795164 02
1.0240002 02	5.0143381 01	7.0467087 01	1.2061046 02
1.0260002 02	5.5006687 01	7.6312917 01	1.3131960 02
1.0280002 02	5.8680954 01	8.0639748 01	1.3932071 02
1.0300002 02	6.0973788 01	8.3144637 01	1.4411843 02
1.0320002 02	6.1842945 01	8.3709699 01	1.4555265 02
1.0340002 02	6.1394197 01	8.2415159 01	1.4380936 02
1.0360002 02	5.9852369 01	7.9517741 01	1.3937011 02
1.0380002 02	5.7510496 01	7.5399614 01	1.3291011 02
1.0400002 02	5.4671301 01	7.0500256 01	1.2517155 02

TABLE VI (Continued) T = 1.0 ev

E_n(ev)	σ_γ(barns)	σ_s(barns)	σ_T(barns)
1.0420002 02	5.1593862 01	6.5246843 01	1.1684070 02
1.0440002 02	4.8457701 01	5.9997193 01	1.0845489 02
1.0460002 02	4.5351167 01	5.5006071 01	1.0035724 02
1.0480002 02	4.2281937 01	5.0417042 01	9.2698978 01
1.0500002 02	3.9205748 01	4.6276979 01	8.5482726 01
1.0520002 02	3.6060675 01	4.2563966 01	7.8624642 01
1.0540002 02	3.2800485 01	3.9221601 01	7.2022086 01
1.0560002 02	2.9415560 01	3.6186996 01	6.5602556 01
1.0580002 02	2.5940627 01	3.3410511 01	5.9351138 01
1.0600002 02	2.2450075 01	3.0864440 01	5.3314515 01
1.0650002 02	1.4320337 01	2.5493320 01	3.9813656 01
1.0660002 02	1.2896508 01	2.4598868 01	3.7495376 01
1.0680002 02	1.0328671 01	2.2998065 01	3.3326736 01
1.0700002 02	8.1712469 00	2.1647203 01	2.9818450 01
1.0750002 02	4.6592430 00	1.9279527 01	2.3938770 01
1.0800002 02	3.6180447 00	1.8066828 01	2.1684873 01
1.0850002 02	4.4764834 00	1.7617184 01	2.2093668 01
1.0900002 02	6.4027469 00	1.7587042 01	2.3989789 01
1.0930002 02	7.6126583 00	1.7623819 01	2.5236477 01
1.0950002 02	8.2800981 00	1.7626490 01	2.5906588 01
1.1000002 02	9.0101758 00	1.7357333 01	2.6367509 01
1.1050002 02	8.1244959 00	1.6541601 01	2.4666097 01