

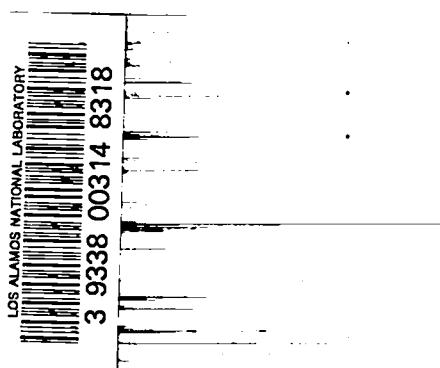
LA-3695-MS

C.3

CIC-14 REPORT COLLECTION
REPRODUCTION
COPY

LOS ALAMOS SCIENTIFIC LABORATORY
of the
University of California
LOS ALAMOS • NEW MEXICO

^6Li and ^7Li Data in the ENDF/B Format



UNITED STATES
ATOMIC ENERGY COMMISSION
CONTRACT W-7405-ENG. 36

LEGAL NOTICE

This report was prepared as an account of Government sponsored work. Neither the United States, nor the Commission, nor any person acting on behalf of the Commission:

A. Makes any warranty or representation, expressed or implied, with respect to the accuracy, completeness, or usefulness of the information contained in this report, or that the use of any information, apparatus, method, or process disclosed in this report may not infringe privately owned rights; or

B. Assumes any liabilities with respect to the use of, or for damages resulting from the use of any information, apparatus, method, or process disclosed in this report.

As used in the above, "person acting on behalf of the Commission" includes any employee or contractor of the Commission, or employee of such contractor, to the extent that such employee or contractor of the Commission, or employee of such contractor prepares, disseminates, or provides access to, any information pursuant to his employment or contract with the Commission, or his employment with such contractor.

All LA...MS reports are informal documents, usually prepared for a special purpose and primarily prepared for use within the Laboratory rather than for general distribution. This report has not been edited, reviewed, or verified for accuracy. All LA...MS reports express the views of the authors as of the time they were written and do not necessarily reflect the opinions of the Los Alamos Scientific Laboratory or the final opinion of the authors on the subject.

Printed in the United States of America. Available from
Clearinghouse for Federal Scientific and Technical Information
National Bureau of Standards, U. S. Department of Commerce

Springfield, Virginia 22151

Price: Printed Copy \$3.00; Microfiche \$0.65

LA-3695-MS
UC-34, PHYSICS
TID-4500

LOS ALAMOS SCIENTIFIC LABORATORY
of the
University of California
LOS ALAMOS • NEW MEXICO

Report written: March 1967

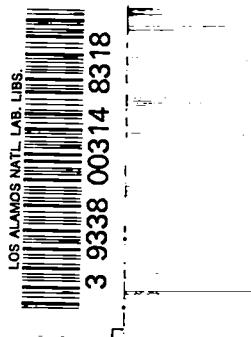
Report distributed: June 26, 1967

^6Li and ^7Li Data in the ENDF/B Format



by

M. E. Battat
D. J. Dudziak
R. J. LaBauve





${}^6\text{Li}$ AND ${}^7\text{Li}$ DATA IN THE ENDF/B FORMAT

by

M. E. Battat, D. J. Dudziak, and R. J. LaBauve

ABSTRACT

At the Cross Section Evaluation Working Group (CSEWG) Meeting on June 9-10, 1966, at Brookhaven National Laboratory, the Los Alamos Scientific Laboratory was assigned the responsibility of preparing the data for the isotopes ${}^6\text{Li}$ and ${}^7\text{Li}$ for the first version of the Evaluated Nuclear Data File/B (ENDF/B) tape. These data have been assembled in the ENDF/B format and sent to the Cross Section Evaluation Center (CSEC) at Brookhaven National Laboratory. Most of the data are from the AWRE data file originated by K. Parker of Aldermaston. Values for $\bar{\mu}_{\text{LAB}}$ and ξ , along with Legendre coefficients for the elastic scattering angular distributions, were received from H. Alter of Atomics International.

Appendix A of this report presents plots of the original AWRE cross-section data converted to the ENDF/B format. The ENDF/B listings for the ${}^6\text{Li}$ and ${}^7\text{Li}$ data, as they appeared on the first version (approximately February 1967) of the ENDF/B tape, are shown in Appendix B.

INTRODUCTION

The initial meeting of the Cross Section Evaluation Working Group (CSEWG) was held at Brookhaven National Laboratory on June 9-10, 1966. The purpose of this meeting was to present the functions of the CSEWG, to describe the Evaluated Nuclear Data File/B (ENDF/B) and its associated processing computer codes,* and to assign responsibility for individual isotopes to the organizations represented on the Working Group. The responsible organization would then prepare a complete set of the required data in the ENDF/B format in time for a complete ENDF/B data tape to be available by January 1967. As a result of this meeting, the Los Alamos Scientific Laboratory was assigned the responsibility for the ${}^6\text{Li}$ and ${}^7\text{Li}$ data. This report presents the sources of the data used, the resulting ENDF/B data listings for ${}^6\text{Li}$ and ${}^7\text{Li}$ on the

first version (February 1967) of the ENDF/B tape, and some tests of the source data against critical experiments and other data.

The data, as presented in Appendix B, are exactly as they appear on the first version of the ENDF/B tape (ENDF/B Data Tape No. 102, transmitted 2/28/67). This tape has been released to CSEWG members primarily for examination and review. As part of the effort of the Data Testing Subcommittee of the CSEWG, these data for ${}^6\text{Li}$ and ${}^7\text{Li}$ are now being reviewed and revised. One particular transcription error which will be corrected on the next version of the tape is for ${}^7\text{Li}$ (MAT = 1006, MF = 4, MT = 24). The corrected cards appear before the ${}^7\text{Li}$ tape listing in Appendix B.

SOURCES OF DATA

Most of the cross-section and related data for ${}^6\text{Li}$ and ${}^7\text{Li}$ were taken from the AWRE data file originated by Parker.⁽²⁾ Values of the average cosine

*These codes were discussed in detail by Honeck.⁽¹⁾

of the elastic scattering angle in the laboratory system ($\bar{\mu}_{LAB}$) and of the average logarithmic energy decrement (ξ) were received from Alter⁽³⁾ in the ENDF/B format. Also received from Alter in the ENDF/B format were the Legendre coefficients for the elastic scattering angular distribution of both isotopes. These latter data, in the center-of-mass system, are derived from data reported by Alter and Lorenzi⁽⁴⁾ and by Davis and Alter.⁽⁵⁾ Alter's data for these angular distributions are more recent than the point tables in the AWRE file and describe in finer detail the region between 200 and 300 keV for ^6Li (see Figs. 1 and 2 for plots of $\bar{\mu}_{LAB}$ as determined from both sets of data). Included with the Legendre coefficients (CM system) as received from Alter is an energy-independent transformation matrix relating the coefficients in the laboratory and CM systems. For ^6Li , Alter's values of $\bar{\mu}_{LAB}$ were checked at various sample points against the second Legendre coefficients, C_1 , in the laboratory system, which were determined from the given Legendre coefficients (CM system) and the transformation matrix. They agreed for all the values checked.

The only changes made in the AWRE data were those necessary to accommodate the ENDF/B format. One significant change is in the energy distribution of secondary neutrons. Wherever the AWRE data

specified a discrete energy loss law with a given reduction factor, the closest corresponding ENDF/B law is that for a discrete energy loss with no reduction factor. Also, for reactions with two secondary neutrons, only one angular law and one energy distribution law are specified for ENDF/B, as opposed to two laws for each in the AWRE data. The data for ^6Li in files (MF) 3 and 4, for reaction type (MT) 4, do not include the (n,n') reaction from excitation of the first state. These latter data appear in reaction type (MT) 22. The processing codes will be required to recognize and interpret these cases properly.

A FORTRAN IV code has been written to perform most of the transformations from the AWRE format to the ENDF/B format.

In order to check the adequacy of the AWRE data, a multigroup set was derived according to the Hansen prescription.⁽⁶⁾ The central reactivity obtained with this derived set was compared with that obtained using two "standard" multigroup sets (the Hansen-Roach 16-group set⁽⁷⁾ and the Russian 26-group set⁽⁸⁾) in several critical assemblies, namely, Jezebel,⁽⁹⁾ ZPR-6, Assembly No. 2,⁽¹⁰⁾ and ZPR-3, Assembly No. 48.^(11,12) The reactivity quantity computed was the so-called "perturbation cross section," σ_p , given by the formula

$$\sigma_p = \frac{\sum_i v_i \sigma_{fi} \phi_i^\dagger \sum_j x_j \phi_j^\dagger - \sum_i \sigma_{ai} \phi_i^\dagger \phi_i^\dagger + \sum_i \phi_i \sum_j \sigma_{i+j} (\phi_j^\dagger - \phi_i^\dagger)}{\sum_i \phi_i \phi_i^\dagger}$$

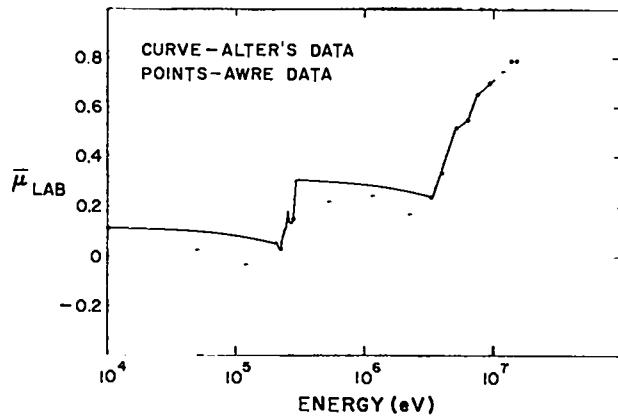


Fig. 1. Comparison of $\bar{\mu}_{LAB}$ for elastic scatter from Alter's data with that derived from AWRE data for ^6Li .

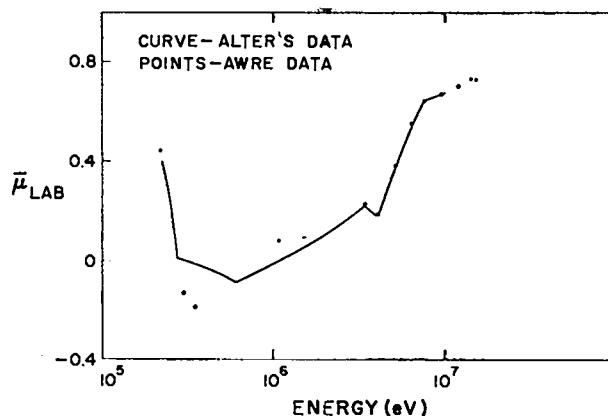


Fig. 2. Comparison of $\bar{\mu}_{LAB}$ for elastic scatter from Alter's data with that derived from AWRE data for ^7Li .

TABLE I
 σ_p for ^6Li

Critical System	Median Fission Energy (MeV) for Core	σ_p (mb)			
		Russian	Hansen-Roach	AWRE	Experimental
Jezebel	1.5	- 542	- 532	- 489	---
Topsy	0.7	- 616	- 689	- 605	- 597
ZPR-6/2	0.3	- 935	- 1131	- 1041	---
ZPR-3/48	0.3	-1069	-1215	-1168	---

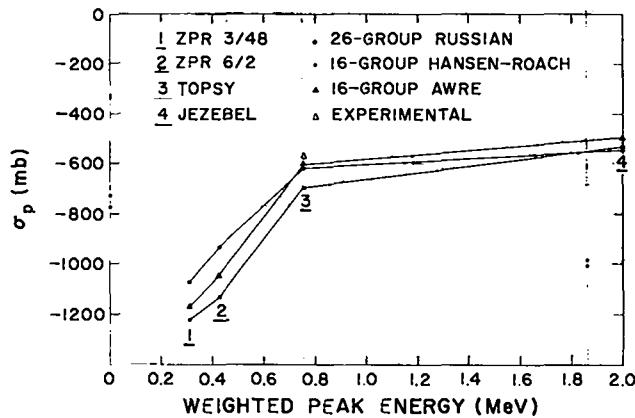


Fig. 3. $^6\text{Li} \sigma_p$ vs "weighted" peak energy.

The real and adjoint fluxes, ϕ_i and ϕ_i^+ , used in the calculations were obtained from one-dimensional solutions using the DTF-IV code. (13)

The results of these calculations are given in Table I and Fig. 3 for ^6Li and in Table II and Fig. 4 for ^7Li . The measured data for ^6Li and ^7Li reactivity in Topsy are also given in these illustrations. The results for ^6Li show no great differences between the derived set and the "standard" sets. The substitution of Alter's angular distribution data for elastic scatter should not materially affect these results, as most of the contribution to σ_p comes from capture.

On the other hand, as can be seen from Fig. 4, the σ_p values for the derived set for ^7Li seem substantially lower than those for the "standard" sets and the experiment in the range above 0.4 MeV. In this case, the use of Alter's angular distribution data should make a difference, as the ^7Li capture cross section in this energy range is negligible.

The abscissa used for Figs. 3 and 4, termed weighted energy, is a parameter which includes the width of the spectrum at half the ordinate at peak energy. This is used to better describe the "soft-

TABLE II
 σ_p for ^7Li

Critical System	Median Fission Energy (MeV) for Core	σ_p (mb)			
		Russian	Hansen-Roach	AWRE	Experimental
Jezebel	1.5	-12.4	- 3.4	- 16.8	---
Topsy	0.7	38.1	48.5	16.6	35.0
ZPR-6/2	0.3	6.6	11.9	1.3	---
ZPR-3/48	0.3	- 7.9	-11.8	- 9.2	---

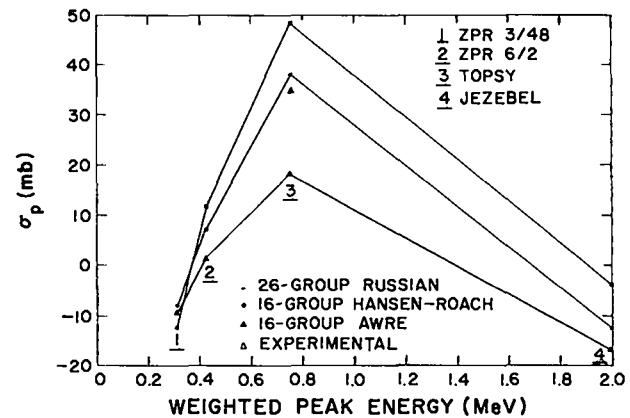


Fig. 4. $^7\text{Li} \sigma_p$ vs "weighted" peak energy.

ness" or "hardness" of the spectrum; i.e., it gives some measure of the extension of the spectrum into the lower energy region.

ACKNOWLEDGMENT

The authors are indebted to K. Parker of the Atomic Weapons Research Establishment, Aldermaston, for his kind permission to use the data for ^6Li and ^7Li from the UKAEA Nuclear Data Library.

REFERENCES

1. H. C. Honeck, "A Plan for Establishing a Reference Set of Evaluated Nuclear Data and Its Processing into a Form Suitable for Reactor Calculations," *Trans. Am. Nucl. Soc.* 9, 2 (1966).
2. S. M. Miller and K. Parker, "List of Data Files Available in the UKAEA Nuclear Data Library as of 15 April 1965," AWRE O-55/65, Atomic Weapons Reactor Establishment, Aldermaston, England (1965).
3. H. Alter (private communication).
4. H. Alter and H. J. Lorenzi, "Cross Section Data for Lithium Isotopes in the Energy Range 0.01 to 15 MeV," NAA-SR-MEMO-9028, Atomics International (1963).
5. S. K. Davis, H. Alter, R. F. Berland, and C. L. Dunford, "Compilation Evaluation and Reduction of Neutron Differential Scattering Data," NAA-SR-11980, Vol. IV, Atomics International (to be published).

6. G. E. Hansen and W. H. Roach, "Six and Sixteen Group Cross Sections for Fast and Intermediate Critical Facilities," LAMS-2543, Los Alamos Scientific Laboratory (1961).
7. "Los Alamos Group-Averaged Cross Sections," L. D. Connolly, ed., LAMS-2941, Los Alamos Scientific Laboratory (1963).
8. Group Constants for Nuclear Reactor Calculations, I. I. Bondarenko, ed., Consultants Bureau translation (1964).
9. L. B. Engle, G. E. Hansen, and H. C. Paxton, *Nucl. Sci. Engr.* 8, 543 (1960).
10. G. K. Rusch et al., "Investigation of a 600 Liter Uranium Carbide Core (ZPR-VI, Assembly No. 2)," ANL-7010, p. 91, Argonne National Laboratory (1965).
11. W. G. Davey, "Intercomparison of Calculations for a Dilute Plutonium-Fueled Fast Critical Assembly (ZPR-3, Assembly 48)," *Int. Conf. on Fast Critical Experiments and Their Analysis*, Argonne National Laboratory, October 10-13, 1966 (proceedings to be published).
12. B. C. Cerutti et al., *Nucl. Sci. Engr.* 1, 126 (1956).
13. K. D. Lathrop, "DTF-IV, A FORTRAN-IV Program for Solving the Multigroup Transport Equation with Anisotropic Scattering," LA-3373, Los Alamos Scientific Laboratory (1965).

APPENDIX A

The smooth cross sections of ^{6}Li plotted from the ENDF/B data are shown in Figs. A.1 through A.9, and those for ^{7}Li are shown in Figs. A.10 through A.18.

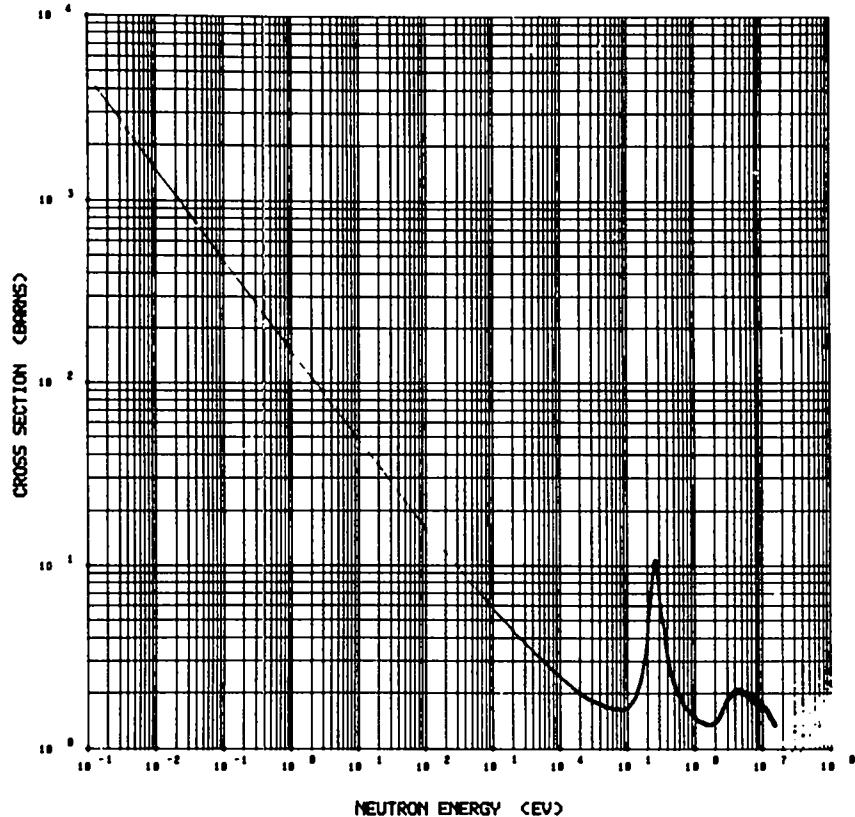


Fig. A.1. ^{6}Li (ENDF/B MAT = 1005) SIGMA-TOT (MT = 1).

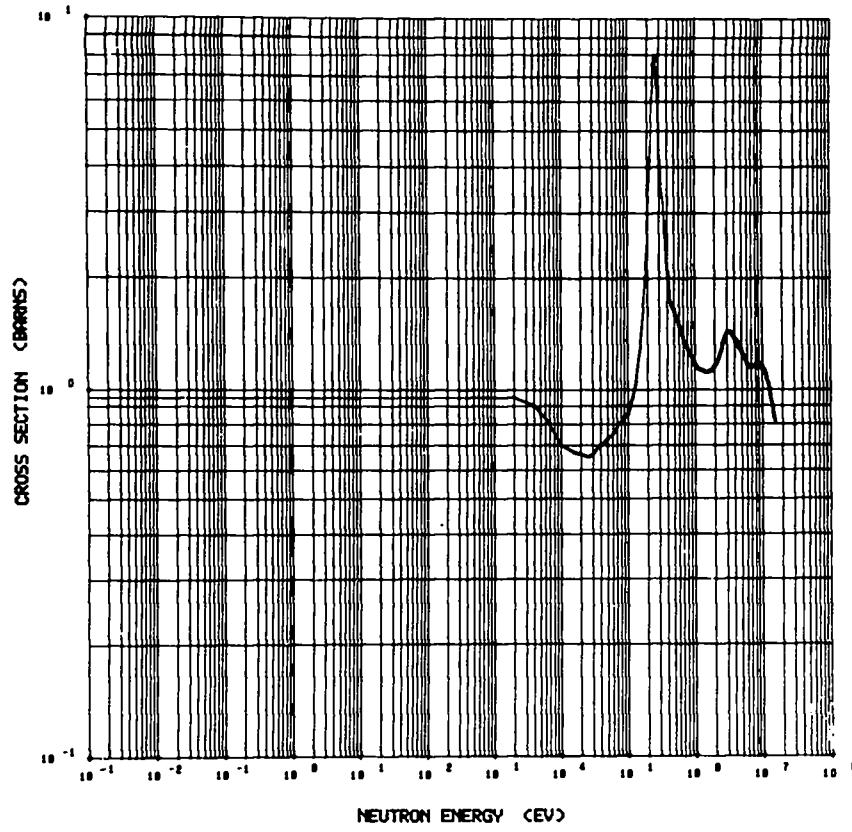


Fig. A.2. ${}^6\text{Li}$ (ENDF/B MAT = 1005) SIGMA(N,N) (MT = 2).

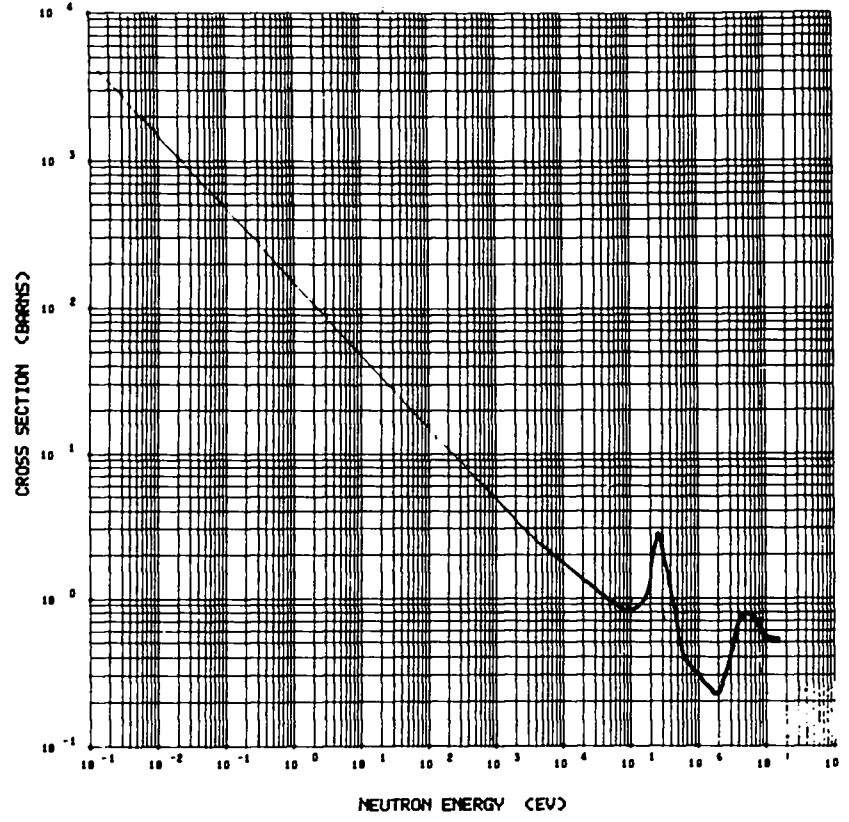


Fig. A.3. ${}^6\text{Li}$ (ENDF/B MAT = 1005) SIGMA-NE (MT = 3).

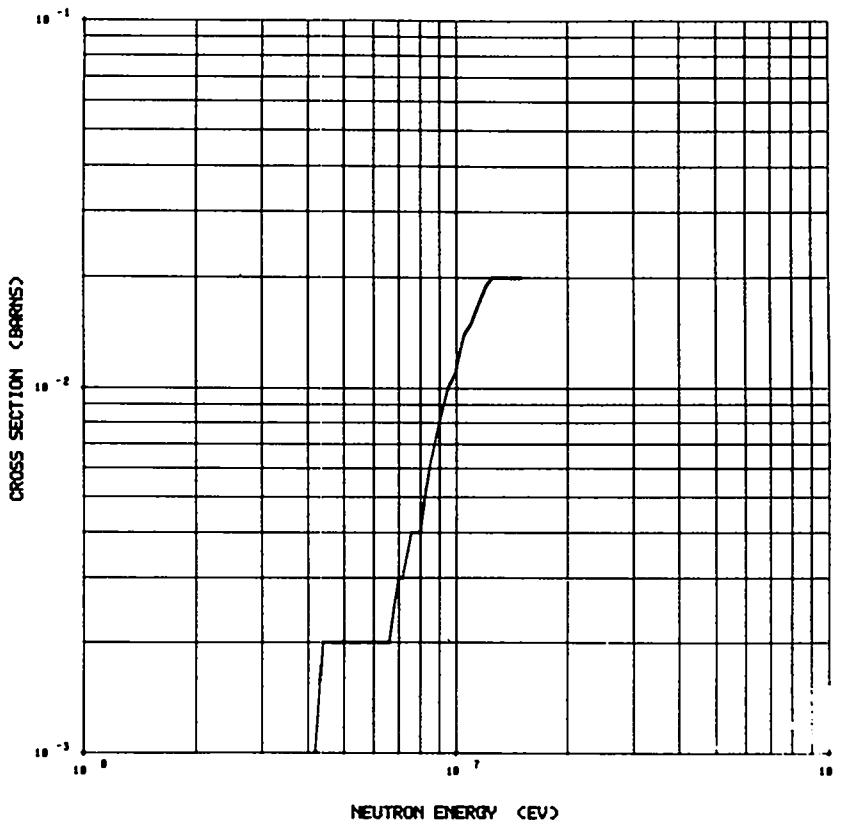


Fig. A.4. ${}^6\text{Li}$ (ENDF/B MAT = 1005) SIGMA(N,N*) (MT = 4).

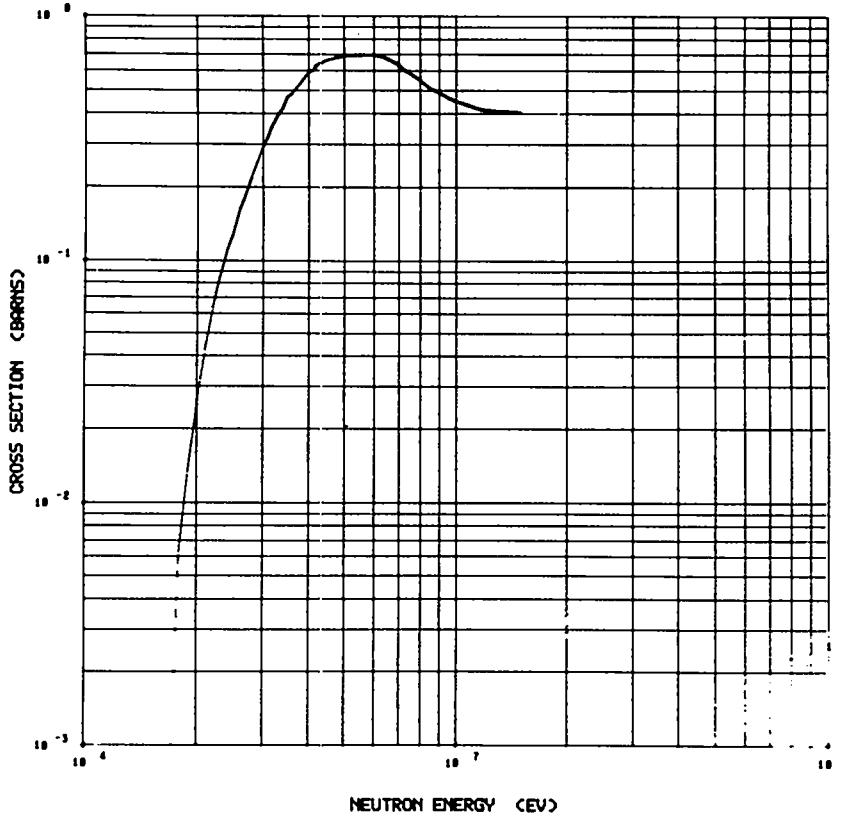


Fig. A.5. ${}^6\text{Li}$ (ENDF/B MAT = 1005) SIGMA(N,N*ALPHA) (MT = 22).

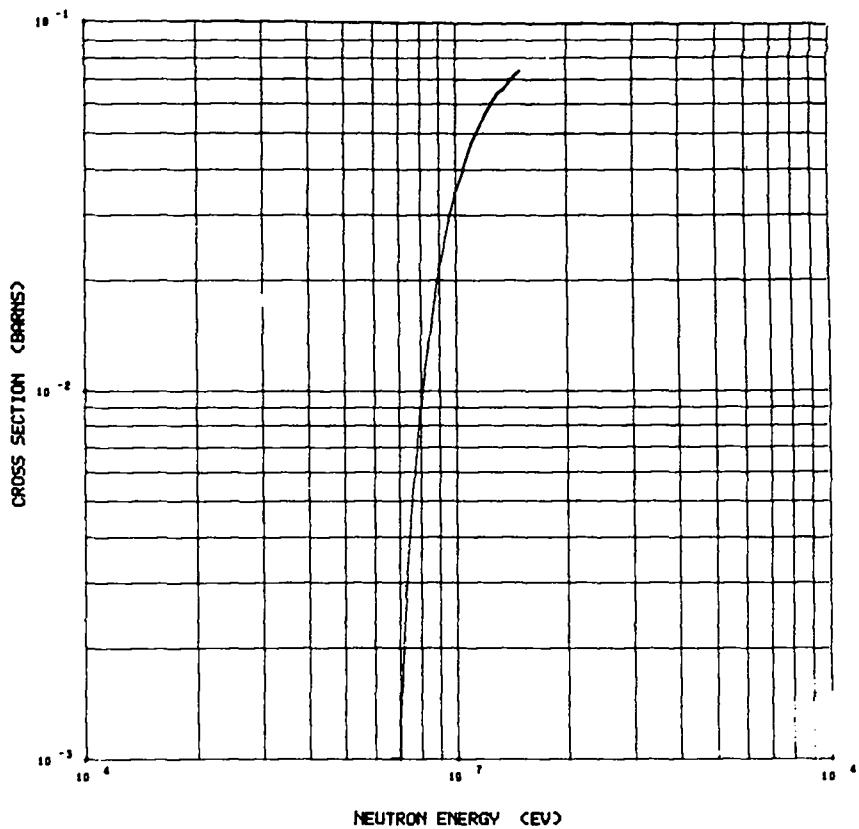


Fig. A.6. ${}^6\text{Li}$ (ENDF/B MAT = 1005) SIGMA(N,2N-ALPHA) (MT = 24).

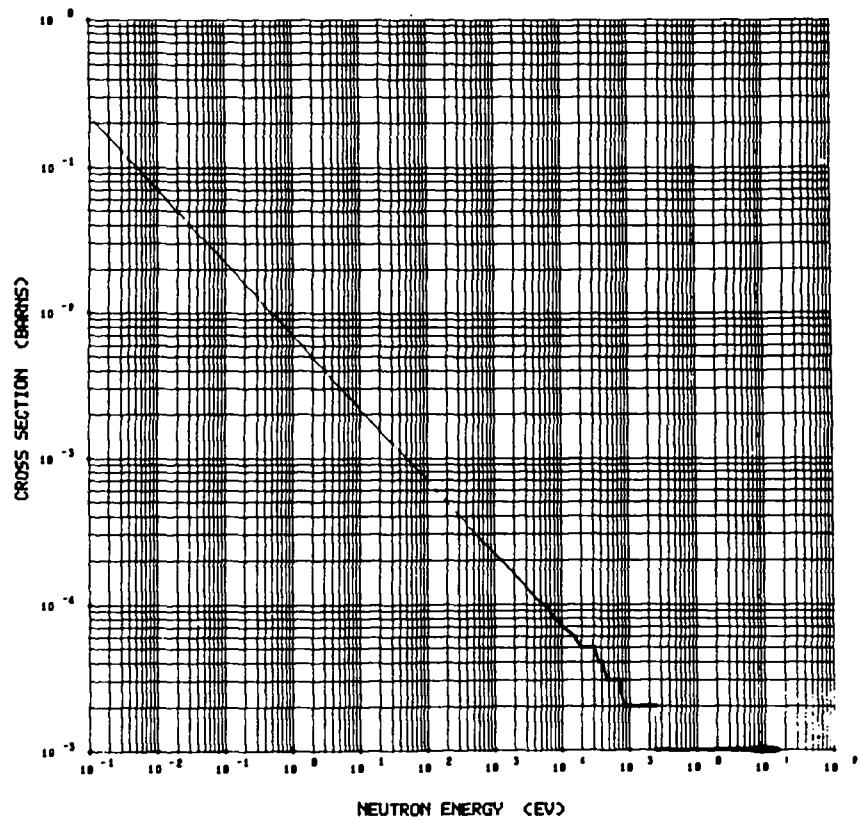


Fig. A.7. ${}^6\text{Li}$ (ENDF/B MAT = 1005) SIGMA(N,GMA) (MT = 102).

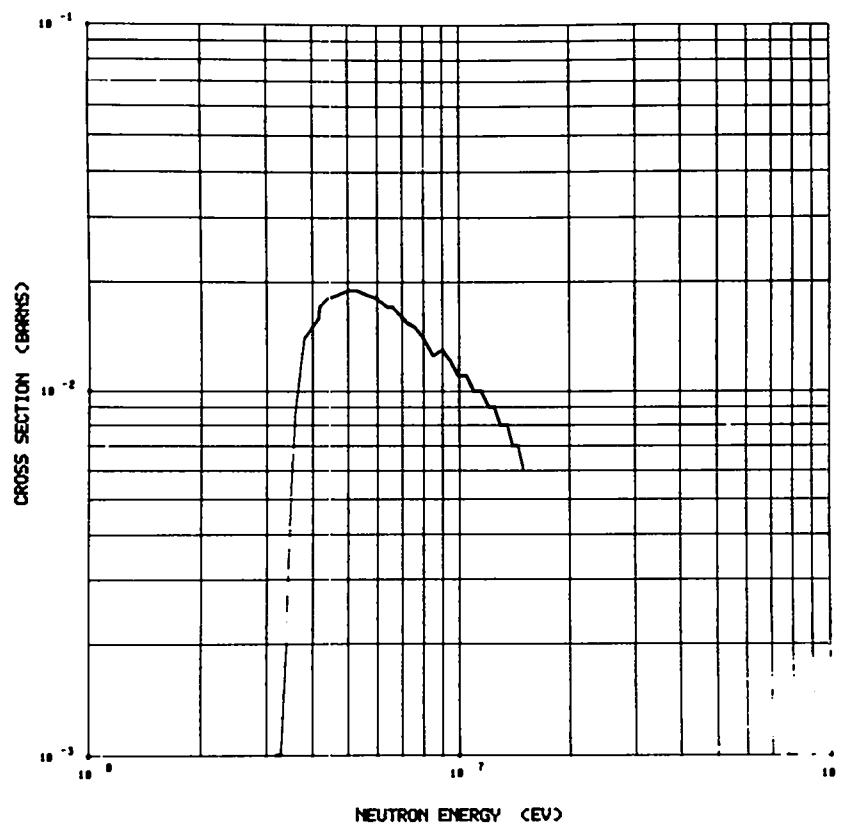


Fig. A.8. ${}^6\text{Li}$ (ENDF/B MAT = 1005) SIGMA(N,P) (MT = 103).

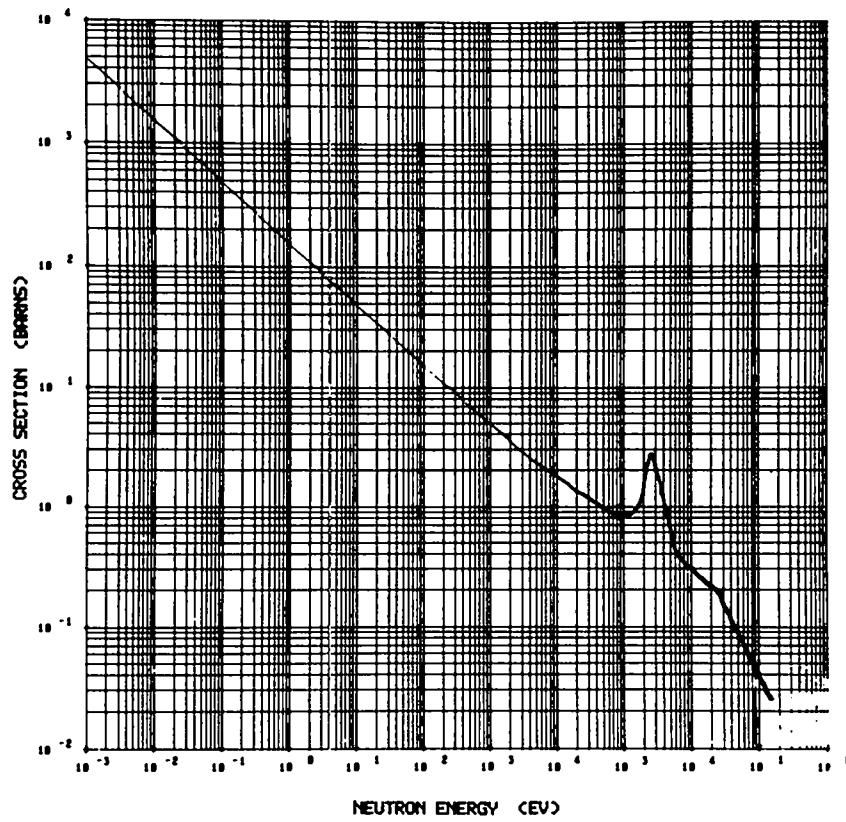


Fig. A.9. ${}^6\text{Li}$ (ENDF/B MAT = 1005) SIGMA(N,ALPHA) (MT = 107).

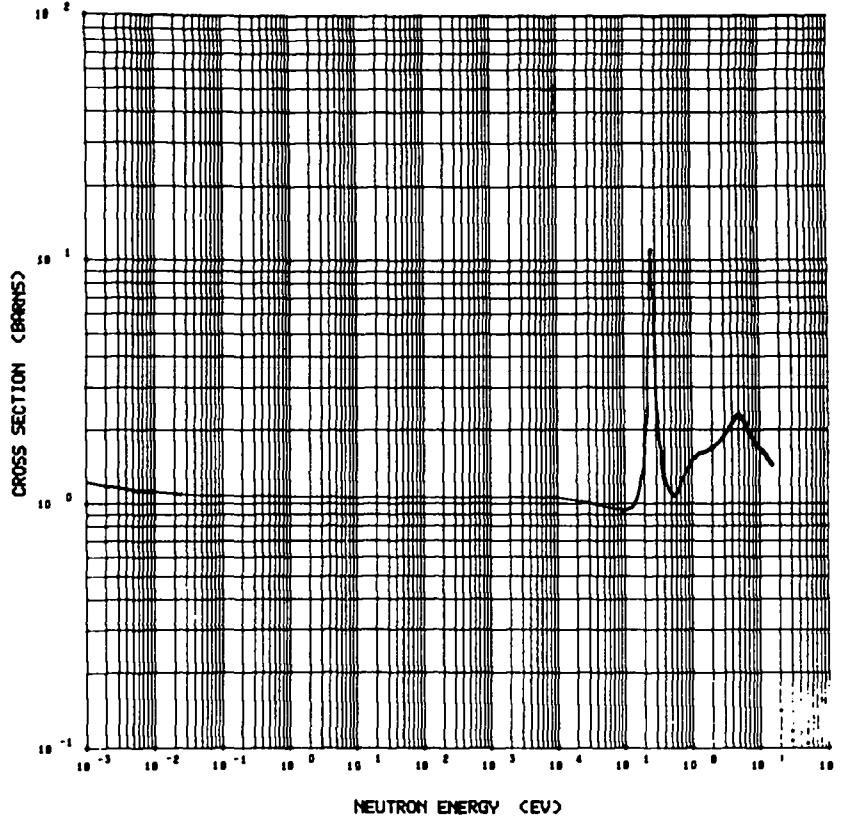


Fig. A.10. ${}^7\text{Li}$ (ENDF/B MAT = 1006) SIGMA-TOT (MT = 1).

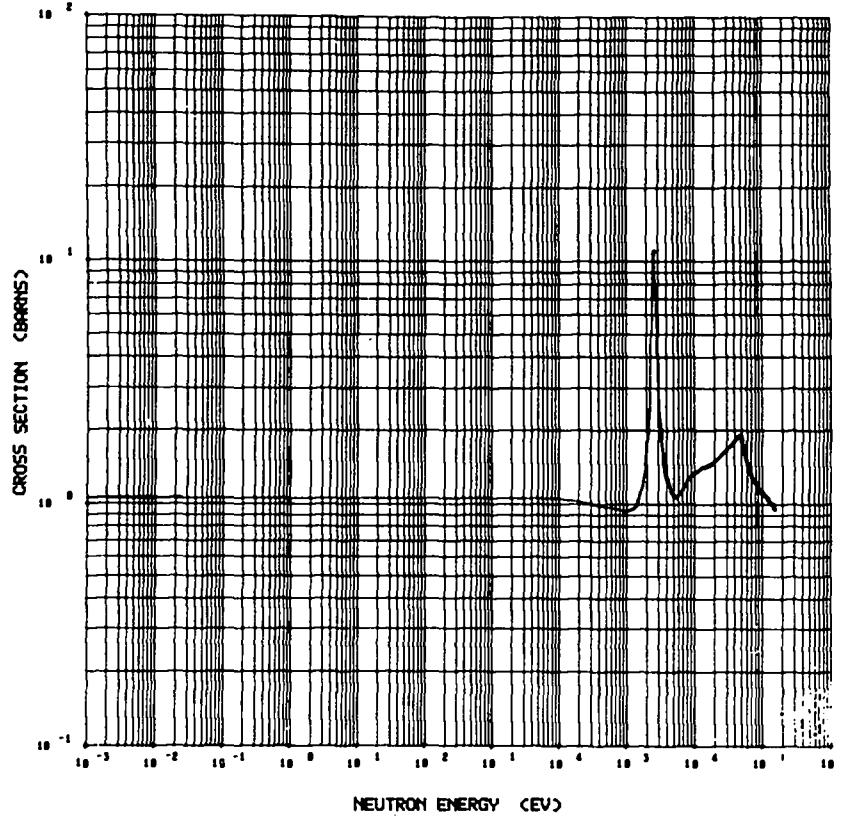


Fig. A.11. ${}^7\text{Li}$ (ENDF/B MAT = 1006) SIGMA(N,N) (MT = 2).

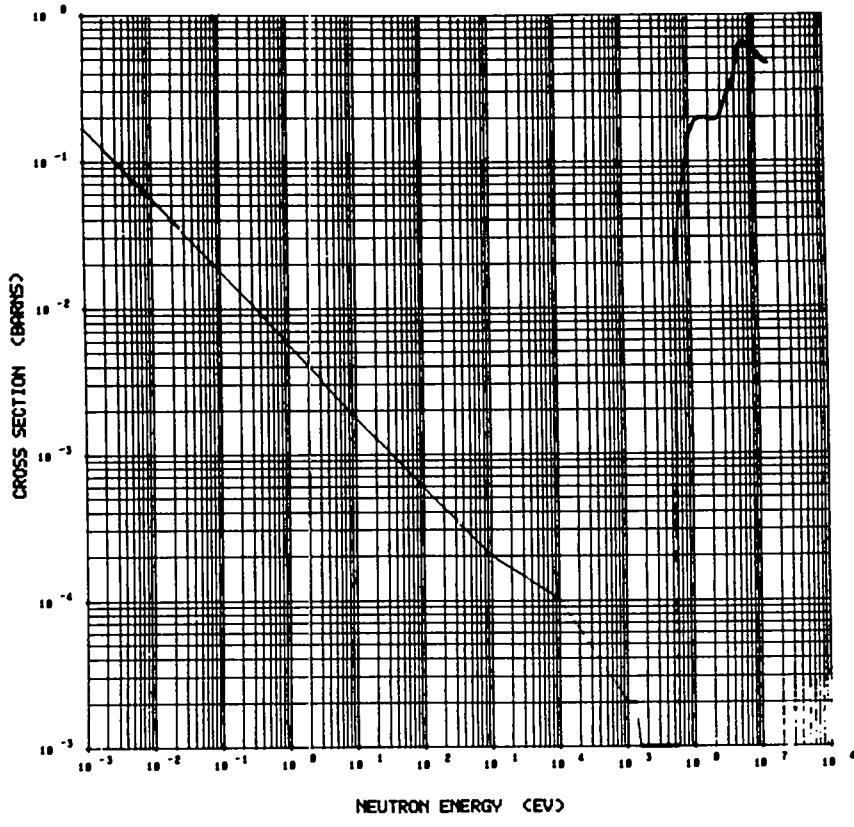


Fig. A.12. ^7Li (ENDF/B MAT = 1006) SIGMA-NE (MT = 3).

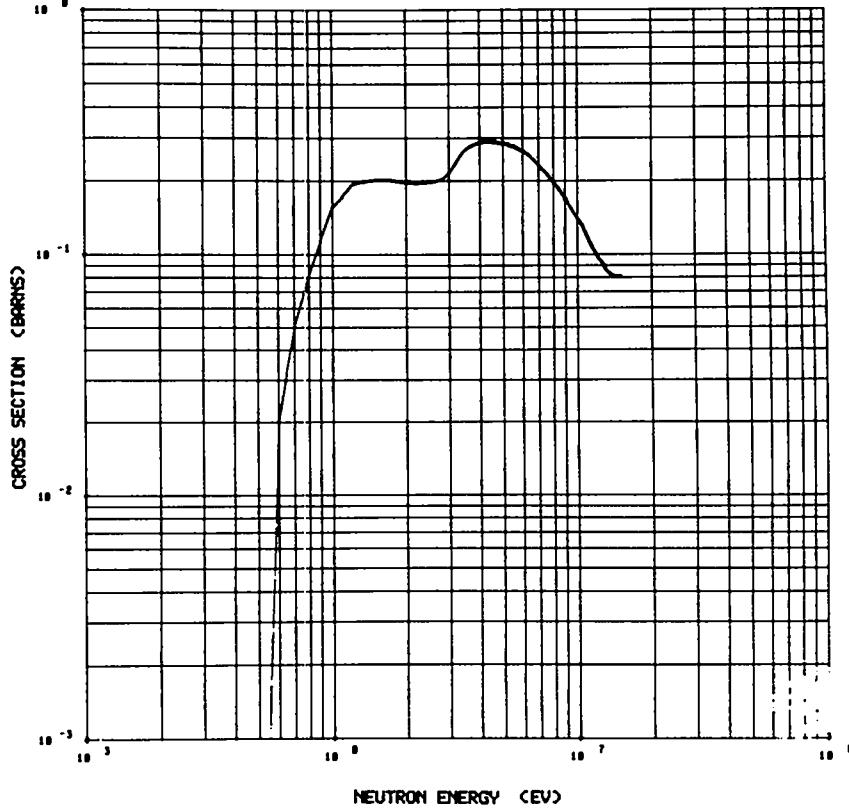


Fig. A.13. ^7Li (ENDF/B MAT = 1006) SIGMA(N,N*) (MT = 4).

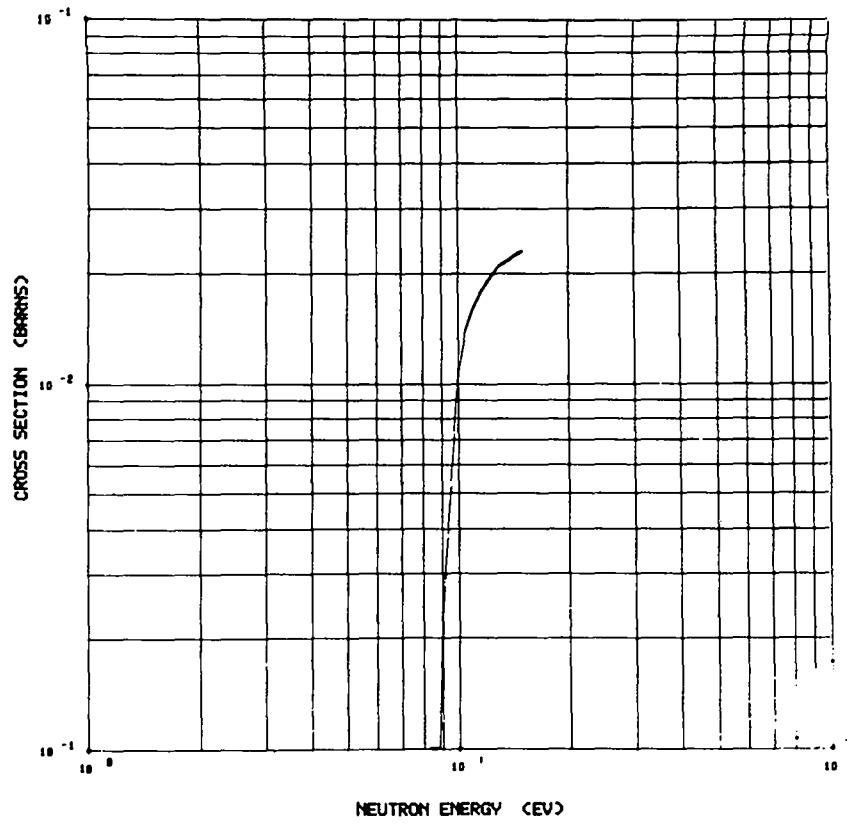


Fig. A.14. ^7Li (ENDF/B MAT = 1006) SIGMA($\text{N}, 2\text{N}$) (MT = 16).

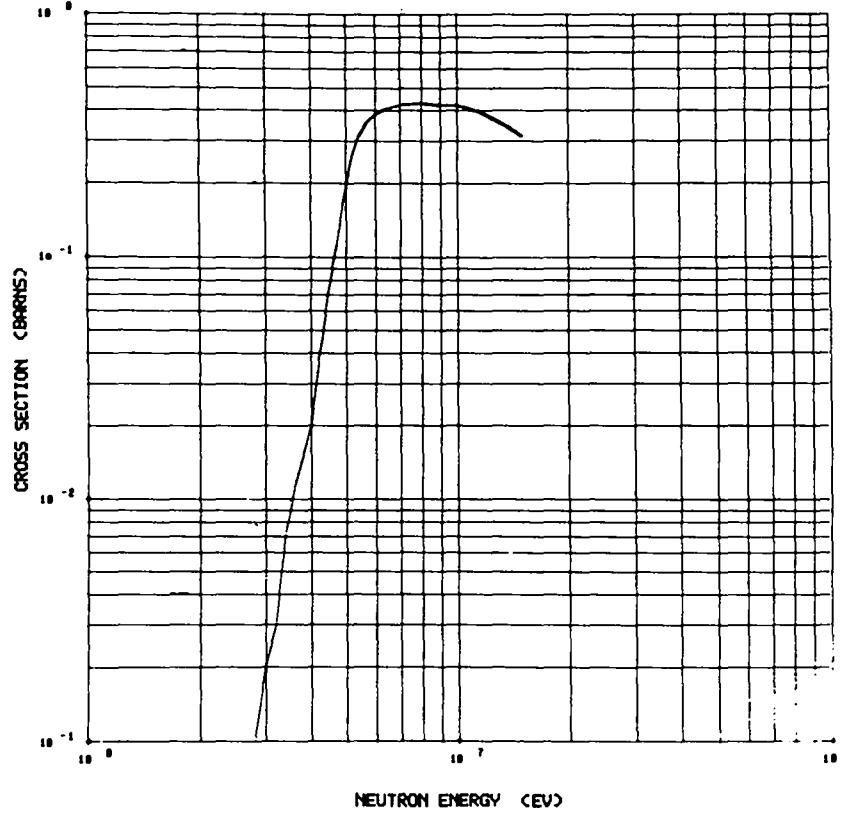


Fig. A.15. ^7Li (ENDF/B MAT = 1006) SIGMA($\text{N}, \text{n}^*\text{alpha}$) (MT = 22).

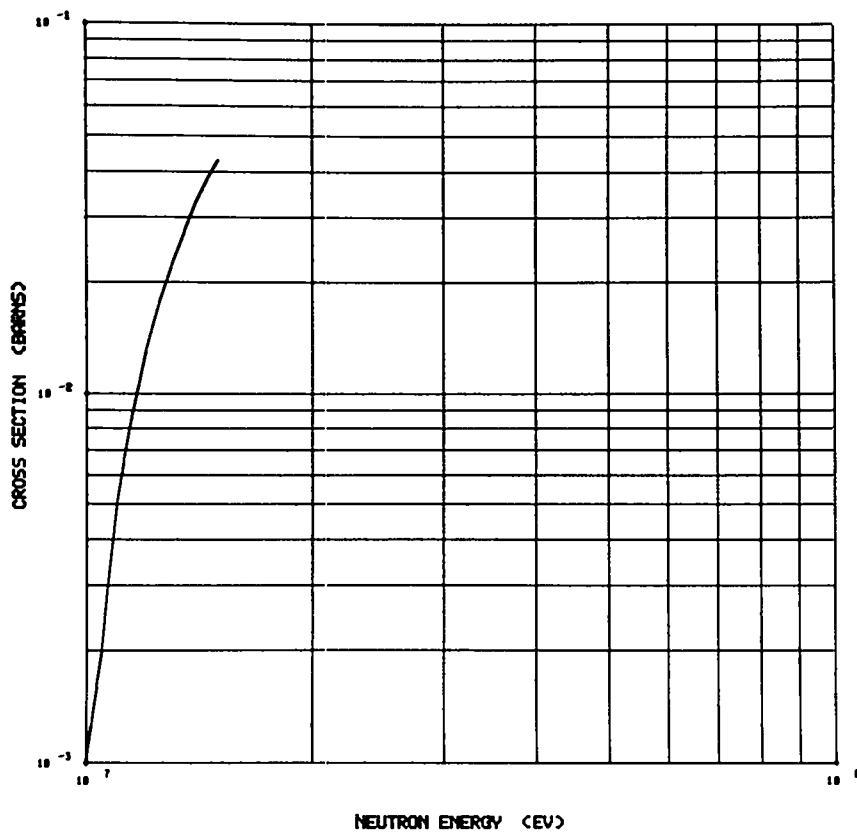


Fig. A.16. ^7Li (ENDF/B MAT = 1006) SIGMA(N,2N-ALPHA) (MT = 24).

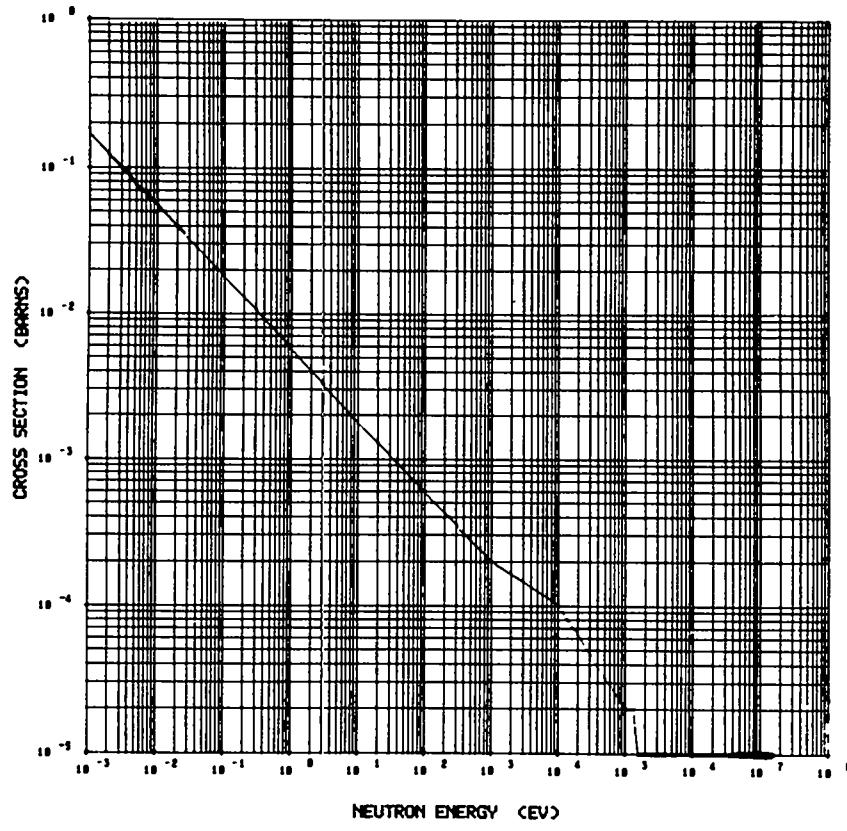


Fig. A.17. ^7Li (ENDF/B MAT = 1006) SIGMA(N,GMA) (MT = 102).

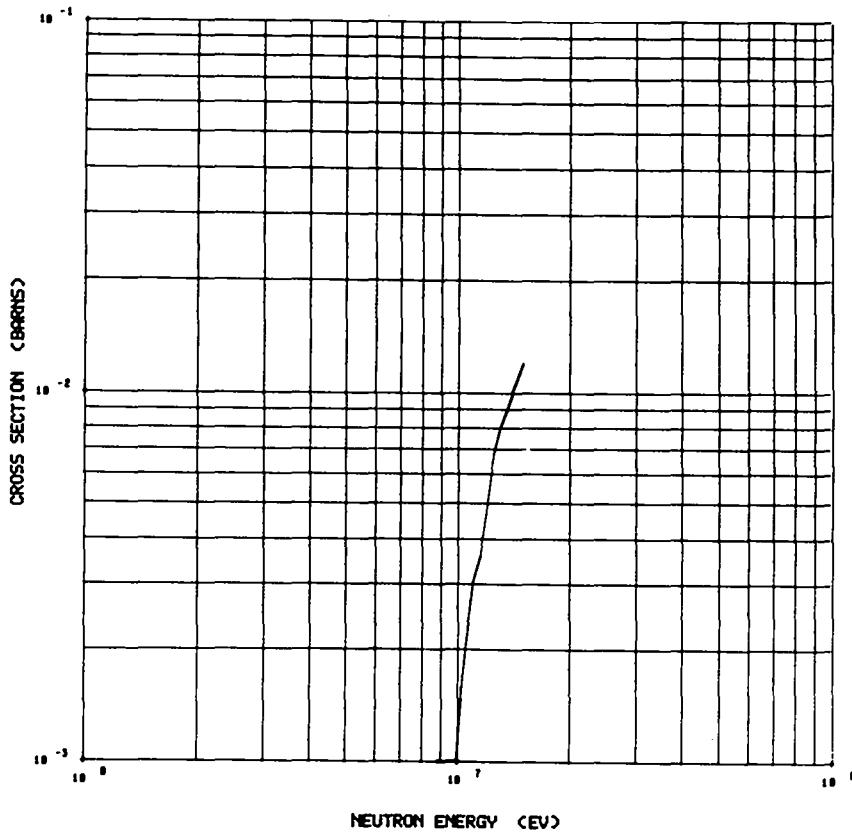


Fig. A.18. ${}^7\text{Li}$ (ENDF/B MAT = 1006) SIGMA(N,D) (MT = 104).

APPENDIX B

Tables B.1 and B.2 present the complete ENDF/B data file listings for ${}^6\text{Li}$ and ${}^7\text{Li}$, respectively.

TABLE B.1

${}^6\text{Li}$ DATA AS IT APPEARED ON THE FIRST VERSION OF THE ENDF/B TAPE (February 28, 1967).

3006.	5.9634 +00	0	0	0	01005	1451	1
0.0	0.0	0	0	22	01005	1451	2
LITHIUM-6 NEUTRON CROSS SECTION DATA	MATERIAL 1005	ENDF/B	1005	1451	3		
DATA FOR LI-6 FOR NEUTRONS IN THE ENERGY RANGE 0.001 EV TO 15 MEV	1005	1451	4				
AWRE DATA -- DATA FILE NUMBER (DFN) 214. AS PFR AWRE REPORT NO. 1005 1451	1005	1451	5				
0-55/65. IN 0-55/65 IT IS STATED THAT DFN 214 IS THE SAME AS	1005	1451	6				
DFN 181 BUT WITH HIGHER (N,GAMMA) CROSS SECTIONS. THE DATA FOR	1005	1451	7				
DFN 181 ARE DISCUSSED IN AWRE REPORT NO. O-60/64	1005	1451	8				
ANGULAR DISTRIBUTION FOR ELASTIC SCATTER(MF=4,MT=2) FROM H ALTER.	1005	1451	9				
ENERGY DISTRIBUTION FOR (N,N-ALPHA) REACTION(MF=5,MT=22) CHANGED	1005	1451	10				
FROM AWRE LAW2 WITH REDUCTION FACTOR=0.5 TO ENDF/B LAW3, WHICH HAS	1005	1451	11				
NO REDUCTION FACTORS.	1005	1451	12				
	1005	1451	13				
	1005	1451	14				
	1005	1451	15				
	1005	1451	16				
	1005	1451	17				
	1005	1451	18				

PLEASE REFER ALL QUESTIONS OR COMMENTS REGARDING THESE DATA TO
 R.J.LARAUF
 LOS ALAMOS SCIFNTIFIC LABORATORY
 POX 1662, LOS ALAMOS, NM 87544

1005	1451	10
1005	1451	20
1005	1451	21
1005	1451	22
1005	1451	23
1005	1451	24
1005	1	25
1005	0	26
01005	3	1
1191005	3	1
1005	3	1
1191005	5	1

3006.	5.9634	0	0	0	01005	3	1	27	
0.0	0.0	0	0	1	1191005	3	1	28	
119	5				1005	3	1	29	
1.0000E-03	4.8012E+03	1.0000E-02	1.5011E+03	2.5000E-02	9.6008E+02	1005	3	1	30
1.0000E-01	4.8097E+02	1.0000E+00	1.5096E+02	1.0000E+01	4.8952E+01	1005	3	1	31
1.0000E+02	1.5951E+01	4.0000E+02	8.6504E+00	1.0000E+03	5.7502E+00	1005	3	1	32
2.0000F+03	4.3602E+00	4.0000E+03	3.3401E+00	6.5000E+03	2.8501E+00	1005	3	1	33
1.0000E+04	2.4501E+00	1.5000E+04	2.1501E+00	2.0000E+04	1.9801E+00	1005	3	1	34
2.5000F+04	1.8801E+00	3.0000E+04	1.8101E+00	3.5000E+04	1.7700E+00	1005	3	1	35
4.0000E+04	1.7300E+00	4.5000E+04	1.7000E+00	5.0000E+04	1.6800E+00	1005	3	1	36
6.0000E+04	1.6500E+00	7.0000E+04	1.6400E+00	8.0000E+04	1.6300E+00	1005	3	1	37
9.0000E+04	1.6500E+00	1.0000E+05	1.6700E+00	1.1000E+05	1.7400E+00	1005	3	1	38
1.2000F+05	1.8200E+00	1.3000E+05	1.9200E+00	1.4000E+05	2.0700E+00	1005	3	1	39
1.5000E+05	2.2600E+00	1.6000E+05	2.4900E+00	1.7000E+05	2.8000E+00	1005	3	1	40
1.8000E+05	3.2100E+00	1.9000E+05	3.8000E+00	2.0000E+05	4.6500E+00	1005	3	1	41
2.1000E+05	5.6500E+00	2.2000E+05	6.8000E+00	2.3000E+05	8.3000E+00	1005	3	1	42
2.4000E+05	9.5000E+00	2.4500E+05	1.0200E+01	2.5000E+05	1.0300E+01	1005	3	1	43
2.5600E+05	1.0700E+01	2.6000E+05	1.0300E+01	2.7000E+05	9.6000E+00	1005	3	1	44
2.8000E+05	8.3000E+00	3.0000E+C5	6.5000E+00	3.2000E+05	5.3500E+00	1005	3	1	45
3.4000E+05	4.4500E+00	3.6000E+05	3.8500E+00	3.8000E+05	3.3500E+00	1005	3	1	46
4.0000E+05	3.0000F+00	4.2500E+C5	2.7000E+00	4.5000E+05	2.4400E+00	1005	3	1	47
4.7500F+05	2.3000E+00	5.0000E+C5	2.1700E+00	5.5000E+05	1.9800E+00	1005	3	1	48
6.0000F+05	1.8700E+00	6.5000E+C5	1.7700E+00	7.0000E+05	1.6900E+00	1005	3	1	49
8.0000F+05	1.5900F+00	9.0000E+05	1.5200E+00	1.0000E+06	1.4700E+00	1005	3	1	50
1.1000F+06	1.4200E+00	1.2000E+06	1.4000E+00	1.3000E+06	1.3800E+00	1005	3	1	51
1.4000F+06	1.3600E+00	1.5000E+06	1.3500E+00	1.6000E+06	1.3500E+00	1005	3	1	52
1.7000F+06	1.3500E+00	1.7180E+06	1.3500E+00	1.8000E+06	1.3600E+00	1005	3	1	53
1.9000E+06	1.3800F+00	2.0000E+06	1.4000E+00	2.1000E+06	1.4300E+00	1005	3	1	54
2.2000F+06	1.4800E+00	2.3000E+06	1.5300E+00	2.4000E+06	1.5800E+00	1005	3	1	55
2.5000E+06	1.6400E+00	2.6000E+06	1.6900E+00	2.7000E+06	1.7300E+00	1005	3	1	56
2.8000F+06	1.7800E+00	3.0000E+06	1.8650F+00	3.1000E+06	1.8900E+00	1005	3	1	57
3.1920F+06	1.9200E+00	3.3000E+06	1.9500E+00	3.4000E+06	1.9700E+00	1005	3	1	58
3.5000F+06	2.0000F+00	3.6000E+06	2.0100E+00	3.8000E+06	2.0400E+00	1005	3	1	59
4.0000F+06	2.0630F+00	4.1580F+06	2.0700F+00	4.2000E+06	2.0800E+00	1005	3	1	60
4.4000F+06	2.0600E+00	4.7000E+06	2.0500E+00	5.0000E+06	2.0240E+00	1005	3	1	61
5.3000F+06	2.0000E+00	5.6000E+06	1.9600E+00	6.0000E+06	1.9210E+00	1005	3	1	62
6.4000E+06	1.9000E+00	6.6140E+06	1.8800E+00	7.0000E+06	1.8520E+00	1005	3	1	63
7.2000E+06	1.8300E+00	7.6000E+06	1.8000E+00	8.0000E+06	1.7900E+00	1005	3	1	64
8.5000E+06	1.7600E+00	9.0000E+06	1.7400E+00	9.5000E+06	1.7100E+00	1005	3	1	65
1.0000F+07	1.6800E+00	1.0500E+07	1.6600E+00	1.1000F+07	1.6250E+00	1005	3	1	66
1.1500E+07	1.5900E+00	1.2000E+07	1.5450E+00	1.2500E+07	1.5100E+00	1005	3	1	67
1.3000E+07	1.4700E+00	1.3500E+07	1.4300E+00	1.4000E+07	1.3900E+00	1005	3	1	68
1.4500E+07	1.3600E+00	1.5000E+07	1.3250E+00			1005	3	1	69
						1005	2	0	70

3006.	5.9634	0	0	0	01005	3	2	71	
0.0	0.0	0	0	1	1191005	3	2	72	
119	5				1005	3	2	73	
1.0000E-03	9.5000F-01	1.0000E-02	9.5000E-01	2.5000F-02	9.5000E-01	1191005	3	2	74
1.0000F-01	9.5000F-01	1.0000E+00	9.5000E-01	1.0000E+01	9.5000F-01	1191005	3	2	75
1.0000E+02	9.5000E-01	4.0000E+02	9.5000E-01	1.0000E+03	9.5000E-01	1191005	3	2	76
2.0000E+03	9.5000E-01	4.0000E+03	9.0000E-01	6.5000E+03	8.1000E-01	1191005	3	2	77
1.0000E+04	7.0000E-01	1.5000E+04	6.7000E-01	2.0000E+04	6.6000E-01	1191005	3	2	78
2.5000E+04	6.5000E-01	3.0000E+04	6.6000E-01	3.5000E+04	6.9000E-01	1191005	3	2	79
4.0000E+04	7.0000E-01	4.5000E+04	7.2000E-01	5.0000E+04	7.3000E-01	1191005	3	2	80
6.0000E+04	7.6000E-01	7.0000E+04	8.0000E-01	8.0000E+04	8.1000E-01	1191005	3	2	81
9.0000E+04	8.4000E-01	1.0000E+05	8.5000E-01	1.1000E+05	9.1000E-01	1191005	3	2	82
1.2000E+05	9.7000F-01	1.3000E+05	1.0500F+00	1.4000E+05	1.1700E+00	1191005	3	2	83
1.5000E+05	1.3200F+00	1.6000E+05	1.5000E+00	1.7000E+05	1.7500E+00	1191005	3	2	84
1.8000F+05	2.0500E+00	1.9000F+05	2.4600E+00	2.0000F+05	3.1000E+00	1191005	3	2	85
2.1000E+05	3.8000E+00	2.2000E+05	4.6000E+00	2.3000E+05	5.9500E+00	1191005	3	2	86
2.4000F+05	6.9500E+00	2.4500E+05	7.5500F+00	2.5000F+05	7.6000F+00	1191005	3	2	87
2.5600E+05	7.9500E+00	2.6000E+05	7.6000E+00	2.7000E+05	7.0000E+00	1191005	3	2	88
2.8000E+05	5.9500E+00	3.0000E+05	4.4000E+00	3.2000E+05	3.5500E+00	1191005	3	2	89
3.4000F+05	2.9000E+00	3.6000E+05	2.5500F+00	3.8000F+05	2.1500E+00	1191005	3	2	90
4.0000E+05	2.0000E+00	4.2500E+05	1.7400E+00	4.5000E+05	1.6800E+00	1191005	3	2	91
4.7500E+05	1.6400E+00	5.0000E+05	1.5800E+00	5.5000E+05	1.5200E+00	1191005	3	2	92

6.0000E+05	1.4700E+00	6.5000E+05	1.3900E+00	7.0000E+05	1.3300E+001005	3	2	93
8.0000E+05	1.2600E+00	9.0000E+05	1.2100E+00	1.0000E+06	1.1650E+001005	3	2	94
1.1000F+06	1.1350F+00	1.2000F+06	1.1310F+00	1.3000F+06	1.1240F+001005	3	2	95
1.4000F+06	1.1130F+00	1.5000F+06	1.1100F+00	1.6000F+06	1.1180F+001005	3	2	96
1.7000F+06	1.1250F+00	1.7180F+06	1.1250F+00	1.8000F+06	1.1350F+001005	3	2	97
1.9000F+06	1.1520F+00	2.0000F+06	1.1650F+00	2.1000F+06	1.1820F+001005	3	2	98
2.2000E+06	1.2170E+00	2.3000E+06	1.2500E+00	2.4000E+06	1.2810E+001005	3	2	99
2.5000F+06	1.3250F+00	2.6000F+06	1.3540F+00	2.7000E+06	1.3770E+001005	3	2	100
2.8000F+06	1.4040F+00	3.0000F+06	1.4300F+00	3.1000F+06	1.4300E+001005	3	2	101
3.1920F+06	1.4260E+00	3.3000E+06	1.4270F+00	3.4000E+06	1.4200E+001005	3	2	102
3.5000F+06	1.4100E+00	3.6000E+06	1.4000F+00	3.8000E+06	1.3820E+001005	3	2	103
4.0000E+06	1.3600E+00	4.1580E+06	1.3460E+00	4.2000E+06	1.3410E+001005	3	2	104
4.4000F+06	1.2990F+00	4.7000E+06	1.2755E+00	5.0000E+06	1.2400E+001005	3	2	105
5.3000E+06	1.2180E+00	5.6000F+06	1.1825E+00	6.0000E+06	1.1500E+001005	3	2	106
6.4000F+06	1.1480F+00	6.6140E+06	1.1450F+00	7.0000F+06	1.1500F+001005	3	2	107
7.2000F+06	1.1525F+00	7.6000E+06	1.1540F+00	8.0000E+06	1.1740F+001005	3	2	108
8.5000F+06	1.1765F+00	9.0000E+06	1.1700F+00	9.5000F+06	1.1600F+001005	3	2	109
1.0000F+07	1.1410F+00	1.0500F+07	1.1250F+00	1.1000F+07	1.0950F+001005	3	2	110
1.1500F+07	1.0630F+00	1.2000F+07	1.0200F+00	1.2500F+07	9.8500F-011005	3	2	111
1.3000F+07	9.4500F-01	1.3500E+07	9.0500F-01	1.4000F+07	8.6500F-011005	3	2	112
1.4500F+07	8.3500F-01	1.5000F+07	8.0000F-01		1005	3	2	113
					1005	3	0	114
3006.	5.9634	0	0	0	01005	2	2	115
0.0	0.0	0	0	1	1191005	3	2	116
119	5				1005	2	2	117
1.0000F-03	4.8002F+03	1.0000F-02	1.5001E+03	2.5000F-02	9.5905F+021005	3	3	118
1.0000F-01	4.8002F+02	1.0000F+00	1.5001F+02	1.0000F+01	4.8002F+011005	3	3	119
1.0000F+02	1.5001F+01	4.0000F+02	7.7004F+00	1.0000F+03	4.8002F+001005	3	3	120
2.0000F+03	3.4102F+00	4.0000E+03	2.4401F+00	6.5000F+03	2.0401E+001005	3	3	121
1.0000F+04	1.7501E+02	1.5000E+04	1.4801E+00	2.0000E+04	1.3201E+001005	3	3	122
2.5000F+04	1.2301F+00	3.0000F+04	1.1501F+00	3.5000F+04	1.0800E+001005	3	3	123
4.0000F+04	1.0300F+00	4.5000F+04	9.8000F-01	5.0000F+04	9.5000F-011005	3	3	124
6.0000F+04	8.9003E-01	7.0000F+04	8.4003F-01	8.0000E+04	8.2002E-011005	3	3	125
9.0000F+04	8.1002F-01	1.0000E+05	8.2002F-01	1.1000F+05	8.3002F-011005	3	2	126
1.2000F+05	8.5002F-01	1.3000E+05	8.7002F-01	1.4000F+05	9.0002E-011005	3	3	127
1.5000F+05	9.4002F-01	1.6000E+05	9.9002F-01	1.7000F+05	1.0500E+001005	3	3	128
1.8000F+05	1.1600E+00	1.9000E+05	1.3400E+00	2.0000E+05	1.5500E+001005	3	3	129
2.1000F+05	1.8500E+00	2.2000F+05	2.2000E+00	2.3000E+05	2.3500E+001005	3	3	130
2.4000F+05	2.5500F+00	2.4500F+05	2.6500F+00	2.5000F+05	2.7000E+001005	3	3	131
2.5600F+05	2.7500F+00	2.6000E+05	2.7000F+00	2.7000F+05	2.6000E+001005	3	2	132
2.8000F+05	2.3500F+00	3.0000E+05	2.1000F+00	3.2000E+05	1.8000E+001005	3	3	133
3.4000F+05	1.5500F+00	3.6000F+05	1.3000F+00	3.8000F+05	1.2000F+001005	3	2	134
4.0000F+05	1.0000E+00	4.2500F+05	9.6000F-01	4.5000E+05	7.6000E-011005	3	3	135
4.7500F+05	6.6000F-01	5.0000F+05	5.9000F-01	5.5000F+05	4.6000E-011005	3	3	136
6.0000F+05	4.0000F-01	6.5000F+05	3.8000F-01	7.0000F+05	3.6000E-011005	3	3	137
8.0000F+05	3.3000E-01	9.0000E+05	3.1000F-01	1.0000E+06	3.0500E-011005	3	3	138
1.1000F+06	2.8500F-01	1.2000F+06	2.6900E-01	1.3000F+06	2.5600E-011005	3	3	139
1.4000F+06	2.4700F-01	1.5000F+06	2.4000F-01	1.6000F+06	2.3200F-011005	3	2	140
1.7000F+06	2.2500F-01	1.7180E+06	2.2500E-01	1.8000F+06	2.2500E-011005	3	3	141
1.9000F+06	2.2800F-01	2.0000F+06	2.3500F-01	2.1000F+06	2.4800F-011005	3	2	142
2.2000F+06	2.6300F-01	2.3000F+06	2.8000F-01	2.4000F+06	2.9200F-011005	3	2	143
2.5000F+06	3.1500F-01	2.6000F+06	3.3600F-01	2.7000F+06	3.5300F-011005	3	2	144
2.8000F+06	3.7600F-01	3.0000F+06	4.3500F-01	3.1000F+06	4.6000E-011005	3	3	145
3.1920F+06	4.9400F-01	3.3000F+06	5.2300F-01	3.4000F+06	5.5000F-011005	3	2	146
3.5000F+06	5.9000F-01	3.6000F+06	6.1000F-01	3.8000F+06	6.5800F-011005	3	3	147
4.0000F+06	7.0300F-01	4.1580E+06	7.2420F-01	4.2000F+06	7.3970E-011005	3	3	148
4.4000F+06	7.6100F-01	4.7000E+06	7.7450F-01	5.0000E+06	7.8400E-011005	2	3	149
5.3000F+06	7.8200E-01	5.6000E+06	7.7750F-01	6.0000E+06	7.7100E-011005	3	3	150
6.4000F+06	7.5200F-01	6.6140E+06	7.3500E-01	7.0000E+06	7.0200E-011005	3	3	151
7.2000F+06	6.7750F-01	7.6000F+06	6.4600F-01	8.0000F+06	6.1600E-011005	3	3	152
8.5000F+06	5.8350F-01	9.0000E+06	5.7000F-01	9.5000E+06	5.5000E-011005	3	3	153
1.0000E+07	5.3900E-01	1.0500E+07	5.3500E-01	1.1000E+07	5.3000E-011005	3	3	154
1.1500F+07	5.2700F-01	1.2000F+07	5.2500F-01	1.2500F+07	5.2500F-011005	3	3	155
1.3000F+07	5.2500F-01	1.3500F+07	5.2500F-01	1.4000F+07	5.2500F-011005	3	3	156
1.4500F+07	5.2500F-01	1.5000F+07	5.2500F-01		1005	3	2	157
					1005	3	0	158
3006.	5.9634	0	1	0	01005	2	4	159
0.0	-3.56 F+06	0	0	1	281005	2	4	160
28	5				1005	2	4	161
4.1580F+06	1.0000F-03	4.2000F+06	1.0000E-03	4.4000E+06	2.0000E-031005	3	4	162
4.7000F+06	2.0000F-03	5.0000E+06	2.0000F-03	5.3000F+06	2.0000E-031005	3	4	163
5.6000F+06	2.0000E-03	6.0000E+06	2.0000E-03	6.4000E+06	2.0000E-031005	3	4	164
6.6140F+06	2.0000E-03	7.0000E+06	3.0000F-03	7.2000F+C6	3.0000E-031005	3	4	165

7.6000F+06	4.0000F-03	8.0000F+06	4.0000F-03	8.5000E+06	6.0000F-03	1005	3	4	166
9.0000F+06	8.0000F-03	9.5000F+06	1.0000F-02	1.0000F+07	1.1000F-02	1005	3	4	167
1.0500F+07	1.4000F-02	1.1000E+07	1.5000F-02	1.1500E+07	1.7000E-02	1005	3	4	168
1.2000F+07	1.9000F-02	1.2500F+07	2.0000F-02	1.3000F+07	2.0000E-02	1005	3	4	169
1.3500F+07	2.0000F-02	1.4000E+07	2.0000F-02	1.4500E+07	2.0000E-02	1005	3	4	170
1.5000F+07	2.0000F-02					1005	3	4	171
						1005	3	0	172
3006.	5.0634	0	0	0	01005	3	22		
0.0	-1.471. F+06	0	0	1	491005	3	22		
40	5				1005	3	22		
1.7180F+06	1.0000F-03	1.8000F+06	6.0000E-03	1.9000E+06	1.3000E-02	1005	3	22	176
2.0000F+06	2.5000F-02	2.1000E+06	4.1000F-02	2.2000E+06	6.2000E-02	1005	3	22	177
2.3000F+06	8.3000E-02	2.4000F+06	1.0800E-01	2.5000E+06	1.3000E-01	1005	3	22	178
2.6000F+06	1.5800F-01	2.7000F+06	1.8500E-01	2.8000E+06	2.1800F-01	1005	3	22	179
3.0000F+06	2.9000E-01	3.1000E+06	3.2100E-01	3.1920E+06	3.5700F-01	1005	3	22	180
3.3000F+06	3.4000E-01	3.4000E+06	4.2000E-01	3.5000E+06	4.6000E-01	1005	3	22	181
3.6000F+06	4.8000E-01	3.8000E+06	5.3000E-01	4.0000E+06	5.8100F-01	1005	3	22	182
4.1580F+06	6.0500F-01	4.2000E+06	6.2000E-01	4.4000E+06	6.4500F-01	1005	3	22	183
4.7000F+06	6.6500F-01	5.0000E+C6	6.8000E-01	5.3000E+06	6.8200F-01	1005	3	22	184
5.6000F+06	6.8400F-01	6.0000F+06	6.8300F-01	6.4000E+06	6.7000E-01	1005	3	22	185
6.6140F+06	6.5500F-01	7.0000E+06	6.2500F-01	7.2000E+06	6.0200E-01	1005	3	22	186
7.6000F+06	5.7000E-01	8.0000E+06	5.4000F-01	8.5000E+06	5.0500E-01	1005	3	22	187
9.0000E+06	4.8500F-01	9.5000E+06	4.6000E-01	1.0000E+07	4.4500E-01	1005	3	22	188
1.0500F+07	4.3400F-01	1.1000E+07	4.2500F-01	1.1500E+07	4.1600E-01	1005	3	22	189
1.2000F+07	4.1000F-01	1.2500E+07	4.0700E-01	1.3000E+07	4.0500E-01	1005	3	22	190
1.3500F+07	4.0400F-01	1.4000E+07	4.0300E-01	1.4500E+07	4.0100E-01	1005	3	22	191
1.5000F+07	4.0000F-01					1005	3	22	192
						1005	3	0	193
3006.	5.0634	0	0	0	01005	3	24		
0.0	-2.696. F+06	0	0	1	191005	3	24		
10	5				1005	3	24		
6.6140F+06	1.0000E-03	7.0000F+06	1.0000E-03	7.2000E+06	2.0000E-03	1005	3	24	197
7.6000F+06	5.0000F-03	8.0000E+06	9.0000E-03	8.5000E+06	1.4000E-02	1005	3	24	198
9.0000F+06	2.1000F-02	9.5000F+06	2.8000F-02	1.0000E+07	3.4000E-02	1005	3	24	199
1.0500E+07	4.0000F-02	1.1000E+07	4.6000E-02	1.1500E+07	5.1000E-02	1005	3	24	200
1.2000F+07	5.6000E-02	1.2500F+07	6.0000E-02	1.3000E+07	6.4000E-02	1005	3	24	201
1.3500F+07	6.6000F-02	1.4000E+07	6.9000F-02	1.4500E+07	7.2000E-02	1005	3	24	202
1.5000F+07	7.4000F-02					1005	3	24	203
						1005	3	0	204
3006.	5.0634	0	0	0	01005	3	24		
0.0	7.252. F+06	0	0	1	1191005	3	24		
110	5				1005	3	24		
1.0000F-03	2.2500F-01	1.0000E-02	7.1000E-02	2.5000E-02	4.5000E-02	3102			208
1.0000E-01	2.2500F-02	1.0000E+00	7.1000F-C3	1.0000E+01	2.2000E-03	3102			209
1.0000F+02	7.1000F-04	4.0000E+02	3.5000F-04	1.0000F+03	2.2000E-04	3102			210
2.0000F+03	1.6000F-04	4.0000E+03	1.1000E-04	6.5000E+03	9.0000E-05	3102			211
1.0000F+04	7.0000F-05	1.5000E+04	6.0000F-05	2.0000E+04	5.0000E-05	3102			212
2.5000F+04	5.0000F-05	3.0000E+04	5.0000E-05	3.5000E+04	4.0000E-05	3102			213
4.0000F+04	4.0000F-05	4.5000E+04	3.0000E-05	5.0000E+04	3.0000E-05	3102			214
6.0000F+04	3.0000E-05	7.0000E+04	3.0000E-05	8.0000E+04	2.0000E-05	3102			215
9.0000F+04	2.0000E-05	1.0000E+05	2.0000E-05	1.1000E+05	2.0000E-05	3102			216
1.2000F+05	2.0000F-05	1.3000E+05	2.0000F-05	1.4000E+05	2.0000E-05	3102			217
1.5000F+05	2.0000F-05	1.6000E+05	2.0000F-05	1.7000E+05	2.0000E-05	3102			218
1.8000F+05	2.0000F-05	1.9000E+05	2.0000F-05	2.0000E+05	2.0000E-05	3102			219
2.1000F+05	2.0000F-05	2.2000E+05	2.0000F-05	2.3000E+C5	2.0000E-05	3102			220
2.4000F+05	2.0000E-05	2.4500E+05	1.0000E-05	2.5000E+05	1.0000E-05	3102			221
2.5600E+05	1.0000E-05	2.6000E+05	1.0000F-05	2.7000E+05	1.0000E-05	3102			222
2.8000E+05	1.0000E-05	3.0000E+05	1.0000E-05	3.2000E+05	1.0000E-05	3102			223
3.4000E+05	1.0000E-05	3.6000E+05	1.0000E-05	3.8000E+05	1.0000E-05	3102			224
4.0000E+05	1.0000E-05	4.2500E+05	1.0000E-05	4.5000E+C5	1.0000E-05	3102			225
4.7500E+05	1.0000E-05	5.0000E+05	1.0000E-05	5.5000E+05	1.0000E-05	3102			226
6.0000F+05	1.0000E-05	6.5000E+05	1.0000F-05	7.0000E+05	1.0000E-05	3102			227
8.0000F+05	1.0000E-05	9.0000E+05	1.0000F-05	1.0000E+06	1.0000E-05	3102			228
1.1000F+06	1.0000F-05	1.2000E+06	1.0000F-05	1.3000E+06	1.0000E-05	3102			229
1.4000F+06	1.0000E-05	1.5000E+06	1.0000F-05	1.6000E+06	1.0000E-05	3102			230
1.7000F+06	1.0000F-05	1.7180E+06	1.0000F-05	1.8000E+C6	1.0000E-05	3102			231
1.9000F+06	1.0000F-05	2.0000E+06	1.0000F-05	2.1000E+06	1.0000E-05	3102			232
2.2000F+06	1.0000F-05	2.3000E+06	1.0000F-05	2.4000E+06	1.0000E-05	3102			233
2.5000F+06	1.0000E-05	2.6000E+06	1.0000E-05	2.7000E+06	1.0000E-05	3102			234
2.8000F+06	1.0000E-05	3.0000E+06	1.0000F-05	3.1000E+06	1.0000E-05	3102			235
3.1920F+06	1.0000E-05	3.3000E+06	1.0000E-05	3.4000E+06	1.0000E-05	3102			236
3.5000E+06	1.0000E-05	3.6000E+06	1.0000E-05	3.8000E+06	1.0000E-05	3102			237
4.0000E+06	1.0000E-05	4.1580E+06	1.0000E-05	4.2000E+06	1.0000E-05	3102			238
4.4000F+06	1.0000E-05	4.7000E+06	1.0000E-05	5.0000E+06	1.0000E-05	3102			239

5.3000F+06	1.0000F-05	5.6000E+06	1.0000E-05	6.0000F+06	1.0000E-05	1.0000E-05	3102	240
6.4000F+06	1.0000F-05	6.6140F+06	1.0000F-05	7.0000F+06	1.0000F-05	1.0000F-05	3102	241
7.2000F+06	1.0000F-05	7.6000F+06	1.0000F-05	8.0000F+06	1.0000F-05	1.0000F-05	3102	242
8.5000F+06	1.0000F-05	9.0000F+06	1.0000F-05	9.5000F+06	1.0000F-05	1.0000F-05	3102	243
1.0000F+07	1.0000E-05	1.0500E+07	1.0000F-05	1.1000E+07	1.0000E-05	1.0000E-05	3102	244
1.1500F+07	1.0000E-05	1.2000E+07	1.0000E-05	1.2500E+07	1.0000E-05	1.0000E-05	3102	245
1.3000F+07	1.0000E-05	1.3500E+07	1.0000E-05	1.4000E+07	1.0000E-05	1.0000E-05	3102	246
1.4500F+07	1.0000F-05	1.5000F+07	1.0000F-05				1005	247
							1005	248
3006.	5.9634	0	0	0	0	01005	3103	249
0.0	-2.733 E+06	0	0	1	251005	3103	250	
	25	5				1005	3103	251
3.1920F+06	1.0000F-03	3.3000F+06	1.0000F-03	3.4000F+06	2.0000F-03	1.0000E-03	3103	252
3.5000F+06	5.0000E-03	3.6000E+06	9.0000F-03	3.8000F+06	1.4000E-02	1.0000E-02	3103	253
4.0000F+06	1.5000F-02	4.1580E+06	1.6000F-02	4.2000F+06	1.7000F-02	1.0000E-02	3103	254
4.4000F+06	1.8000F-02	4.7000E+06	1.8500E-02	5.0000E+06	1.9000E-02	1.0000E-02	3103	255
5.3000F+06	1.9000F-02	5.6000F+06	1.8500F-02	6.0000F+06	1.8000E-02	1.0000E-02	3103	256
6.4000F+06	1.7000F-02	6.6140E+06	1.7000F-02	7.0000F+06	1.6000E-02	1.0000E-02	3103	257
7.2000F+06	1.5500E-02	7.6000F+06	1.5000F-02	8.0000F+06	1.4000E-02	1.0000E-02	3103	258
8.5000F+06	1.2500E-02	9.0000E+06	1.3000E-02	9.5000E+06	1.2000E-02	1.0000E-02	3103	259
1.0000F+07	1.1000E-02	1.0500E+07	1.1000E-02	1.1000E+07	1.0000E-02	1.0000E-02	3103	260
1.1500E+07	1.0000E-02	1.2000E+07	9.0000E-03	1.2500E+07	9.0000E-03	1.0000E-02	3103	261
1.3000F+07	8.0000E-03	1.3500E+07	8.0000E-03	1.4000E+07	7.0000E-03	1.0000E-02	3103	262
1.4500F+07	7.0000F-03	1.5000F+07	6.0000F-03			1005	3103	263
						1005	3	0
3006.	5.9634	0	0	0	0	01005	3107	264
0.0	4.786 E+06	0	0	1	1191005	3107	265	
	119	5				1005	3107	266
1.0000F-03	4.8000F+03	1.0000E-02	1.5000E+03	2.5000F-02	9.5900E+02	1.0000E-02	3107	268
1.0000E-01	4.8000F+02	1.0000E+00	1.5000E+02	1.0000E+01	4.8000E+01	1.0000E+00	3107	269
1.0000F+02	1.5000E+01	4.0000F+02	7.7000F+00	1.0000F+03	4.8000E+00	1.0000E+00	3107	270
2.0000F+03	3.4100E+00	4.0000E+03	2.4401E+00	6.5000E+03	2.0400E+00	1.0000E+00	3107	271
1.0000F+04	1.7500F+00	1.5000E+04	1.4800E+00	2.0000E+04	1.3200E+00	1.0000E+00	3107	272
2.5000F+04	1.2300E+00	3.0000E+04	1.1500E+00	3.5000E+04	1.0800E+00	1.0000E+00	3107	273
4.0000F+04	1.0300E+00	4.5000E+04	9.8000E-01	5.0000F+04	9.5000E-01	1.0000E+00	3107	274
6.0000F+04	8.9000F-01	7.0000E+04	8.4000E-01	8.0000F+04	8.2000E-01	1.0000E+00	3107	275
9.0000F+04	8.1000F-01	1.0000E+05	8.2000F-01	1.1000F+05	8.3000F-01	1.0000E+00	3107	276
1.2000F+05	8.5000F-01	1.3000E+05	8.7000F-01	1.4000F+05	9.0000F-01	1.0000E+00	3107	277
1.5000F+05	9.4000F-01	1.6000E+05	9.9000F-01	1.7000F+05	1.0500E+00	1.0000E+00	3107	278
1.8000F+C5	1.1600E+00	1.9000E+05	1.3400E+00	2.0000E+05	1.5500E+00	1.0000E+00	3107	279
2.1000F+05	1.8500F+00	2.2000E+05	2.2000F+00	2.3000E+05	2.3500E+00	1.0000E+00	3107	280
2.4000F+05	2.5500E+00	2.4500E+05	2.6500E+00	2.5000E+05	2.7000E+00	1.0000E+00	3107	281
2.5600F+05	2.7500E+00	2.6000E+05	2.7000F+00	2.7000E+05	2.6000E+00	1.0000E+00	3107	282
2.8000F+05	2.3500E+00	3.0000E+05	2.1000E+00	3.2000E+05	1.8000E+00	1.0000E+00	3107	283
3.4000F+05	1.5500E+00	3.6000E+05	1.3000F+00	3.8000E+05	1.2000E+00	1.0000E+00	3107	284
4.0000F+05	1.0000E+00	4.2500E+05	9.6000F-01	4.5000E+05	7.6000E-01	1.0000E+00	3107	285
4.7500E+05	6.6000E-01	5.0000E+05	5.9000E-01	5.5000E+05	4.6000E-01	1.0000E+00	3107	286
6.0000E+05	4.0000E-01	6.5000E+05	3.8000E-01	7.0000E+05	3.6000E-01	1.0000E+00	3107	287
8.0000F+05	3.3000E-01	9.0000E+05	3.1000E-01	1.0000F+06	3.0500E-01	1.0000E+00	3107	288
1.1000F+06	2.8500F-01	1.2000E+06	2.6900F-01	1.3000F+06	2.5600F-01	1.0000E+00	3107	289
1.4000F+06	2.4700F-01	1.5000E+06	2.4000F-01	1.6000F+06	2.3200F-01	1.0000E+00	3107	290
1.7000F+06	2.2500F-01	1.7100F+06	2.2400F-01	1.8000F+06	2.1900F-01	1.0000E+00	3107	291
1.9000F+06	2.1500F-01	2.0000E+06	2.1000F-01	2.1000F+06	2.0700F-01	1.0000E+00	3107	292
2.2000F+06	2.0100F-01	2.3000E+06	1.9700F-01	2.4000F+06	1.9100F-01	1.0000E+00	3107	293
2.5000F+06	1.8500F-01	2.6000E+06	1.7800F-01	2.7000F+06	1.6800F-01	1.0000E+00	3107	294
2.8000E+06	1.5800E-01	3.0000E+06	1.4500E-01	3.1000E+06	1.3900F-01	1.0000E+00	3107	295
3.1920E+06	1.3600E-01	3.3000E+06	1.3200E-01	3.4000E+06	1.2800E-01	1.0000E+00	3107	296
3.5000F+06	1.2500E-01	3.6000E+06	1.2100F-01	3.8000E+06	1.1400E-01	1.0000E+00	3107	297
4.0000F+06	1.0700F-01	4.1580E+06	1.0200F-01	4.2000E+06	1.0100E-01	1.0000E+00	3107	298
4.4000F+06	9.6000F-02	4.7000F+06	8.9000F-02	5.0000F+06	8.3000F-02	1.0000E+00	3107	299
5.3000F+06	7.9000F-02	5.6000F+06	7.3000F-02	6.0000F+06	6.8000F-02	1.0000E+00	3107	300
6.4000F+06	6.3000F-02	6.6140F+06	6.0000E-02	7.0000F+06	5.7000F-02	1.0000E+00	3107	301
7.2000F+06	5.5000F-02	7.6000F+06	5.2000F-02	8.0000F+06	4.9000F-02	1.0000E+00	3107	302
8.5000F+06	4.6000F-02	9.0000E+06	4.3000E-02	9.5000E+06	4.0000E-02	1.0000E+00	3107	303
1.0000F+07	3.8000F-02	1.0500E+07	3.6000F-02	1.1000E+07	3.4000E-02	1.0000E+00	3107	304
1.1500F+07	3.3000F-02	1.2000E+07	3.1000F-02	1.2500E+07	2.9000F-02	1.0000E+00	3107	305
1.3000F+07	2.8000E-02	1.3500E+07	2.7000F-02	1.4000E+07	2.6000F-02	1.0000E+00	3107	306
1.4500F+07	2.5000F-02	1.5000E+07	2.5000F-02			1005	3107	307
						1005	3	0
3006.	5.9634	0	0	0	0	01005	2251	308
0.0	0.0	0	0	2	2721005	2251	310	
	2	1	272	2		1005	2251	311
1.00000-03	1.10797-01	1.00000+04	1.10797-01	1.10000+04	1.10496-01	1.0000E+00	3251	312
1.20000+04	1.10194-01	1.30000+04	1.09892-01	1.40000+04	1.09591-01	1.0000E+00	3251	313

1.50000+04	1.09289-01	1.60000+04	1.08987-01	1.70000+04	1.08686-011005	3251	314
1.80000+04	1.08384-01	1.90000+04	1.08082-01	2.00000+04	1.07781-011005	3251	315
2.10000+04	1.07479-01	2.20000+04	1.07178-01	2.30000+04	1.06876-011005	3251	316
2.40000+04	1.06574-01	2.50000+04	1.06273-01	2.60000+04	1.05971-011005	3251	317
2.70000+04	1.05669-01	2.80000+04	1.05368-01	2.90000+04	1.05066-011005	3251	318
3.00000+04	1.04764-01	3.10000+04	1.04463-01	3.20000+04	1.04161-011005	3251	319
3.30000+04	1.03859-01	3.40000+04	1.03558-01	3.50000+04	1.03256-011005	3251	320
3.60000+04	1.02954-01	3.70000+04	1.02653-01	3.80000+04	1.02351-011005	3251	321
3.90000+04	1.02049-01	4.00000+04	1.01748-01	4.10000+04	1.01446-011005	3251	322
4.20000+04	1.01145-01	4.30000+04	1.00843-01	4.40000+04	1.00541-011005	3251	323
4.50000+04	1.000240-01	4.60000+04	9.00000+04	4.70000+04	9.00000+04	3251	324
4.80000+04	9.93346-02	4.90000+04	9.90330-02	5.00000+04	9.87313-021005	3251	325
5.10000+04	9.84297-02	5.20000+04	9.81280-02	5.30000+04	9.78264-021005	3251	326
5.40000+04	9.75247-02	5.50000+04	9.72231-02	5.60000+04	9.60214-021005	3251	327
5.70000+04	9.66198-02	5.80000+04	9.63182-02	5.90000+04	9.60165-021005	3251	328
6.00000+04	9.57149-02	6.10000+04	9.54132-02	6.20000+04	9.51116-021005	3251	329
6.30000+04	9.48099-02	6.40000+04	9.45083-02	6.50000+04	9.42066-021005	3251	330
6.60000+04	9.39050-02	6.70000+04	9.36033-02	6.80000+04	9.33017-021005	3251	331
6.90000+04	9.30000-02	7.00000+04	9.26984-02	7.10000+04	9.23967-021005	3251	332
7.20000+04	9.20951-02	7.30000+04	9.17934-02	7.40000+04	9.14918-021005	3251	333
7.50000+04	9.11901-02	7.60000+04	9.08885-02	7.70000+04	9.05868-021005	3251	334
7.80000+04	9.02852-02	7.90000+04	8.99835-02	8.00000+04	8.96819-021005	3251	335
8.10000+04	8.93802-02	8.20000+04	8.90786-02	8.30000+04	8.87769-021005	3251	336
8.40000+04	8.84753-02	8.50000+04	8.81736-02	8.60000+04	8.78720-021005	3251	337
8.70000+04	8.75703-02	8.80000+04	8.72687-02	8.90000+04	8.69670-021005	3251	338
9.00000+04	8.66654-02	9.10000+04	8.63637-02	9.20000+04	8.60621-021005	3251	339
9.30000+04	8.57604-02	9.40000+04	8.54588-02	9.50000+04	8.51571-021005	3251	340
9.60000+04	8.48555-02	9.70000+04	8.45538-02	9.80000+04	8.42522-021005	3251	341
9.90000+04	8.39506-02	1.00000+05	8.36489-02	1.10000+05	8.06324-021005	3251	342
1.20000+05	7.76159-02	1.30000+05	7.45994-02	1.40000+05	7.15830-021005	3251	343
1.50000+05	6.85665-02	1.60000+05	6.55500-02	1.70000+05	6.25335-021005	3251	344
1.80000+05	5.95170-02	1.90000+05	5.65005-02	2.00000+05	5.34840-021005	3251	345
2.10000+05	5.04675-02	2.20000+05	3.74826-02	2.30000+05	5.45438-021005	3251	346
2.40000+05	8.90288-02	2.50000+05	9.96903-02	2.60000+05	1.83318-011005	3251	347
2.70000+05	1.27690-01	2.80000+05	1.70273-01	2.90000+05	2.36649-011005	3251	348
3.00000+05	3.03026-01	3.10000+05	3.02808-01	3.20000+05	3.02589-011005	3251	349
3.30000+05	3.02371-01	3.40000+05	3.02152-01	3.50000+05	3.01934-011005	3251	350
3.60000+05	3.01715-01	3.70000+05	3.01497-01	3.80000+05	3.01278-011005	3251	351
3.90000+05	3.01060-01	4.00000+05	3.00841-01	4.10000+05	3.00623-011005	3251	352
4.20000+05	3.00404-01	4.30000+05	3.00185-01	4.40000+05	2.99967-011005	3251	353
4.50000+05	2.99748-01	4.60000+05	2.99530-01	4.70000+05	2.99311-011005	3251	354
4.80000+05	2.99093-01	4.90000+05	2.98874-01	5.00000+05	2.98656-011005	3251	355
5.10000+05	2.98437-01	5.20000+05	2.98219-01	5.30000+05	2.98000-011005	3251	356
5.40000+05	2.97782-01	5.50000+05	2.97563-01	5.60000+05	2.97345-011005	3251	357
5.70000+05	2.97126-01	5.80000+05	2.96908-01	5.90000+05	2.96689-011005	3251	358
6.00000+05	2.96471-01	6.10000+05	2.96252-01	6.20000+05	2.96034-011005	3251	359
6.30000+05	2.95815-01	6.40000+05	2.95597-01	6.50000+05	2.95378-011005	3251	360
6.60000+05	2.95160-01	6.70000+05	2.94941-01	6.80000+05	2.94723-011005	3251	361
6.90000+05	2.94504-01	7.00000+05	2.94286-01	7.10000+05	2.94067-011005	3251	362
7.20000+05	2.93849-01	7.30000+05	2.93630-01	7.40000+05	2.93412-011005	3251	363
7.50000+05	2.93193-01	7.60000+05	2.92795-01	7.70000+05	2.92756-011005	3251	364
7.80000+05	2.92538-01	7.90000+05	2.92319-01	8.00000+05	2.92101-011005	3251	365
8.10000+05	2.91882-01	8.20000+05	2.91664-01	8.30000+05	2.91445-011005	3251	366
8.40000+05	2.91227-01	8.50000+05	2.91008-01	8.60000+05	2.90790-011005	3251	367
8.70000+05	2.90571-01	8.80000+05	2.90353-01	8.90000+05	2.90134-011005	3251	368
9.00000+05	2.89916-01	9.10000+05	2.89697-01	9.20000+05	2.89479-011005	3251	369
9.30000+05	2.89260-01	9.40000+05	2.89041-01	9.50000+05	2.88823-011005	3251	370
9.60000+05	2.88604-01	9.70000+05	2.88386-01	9.80000+05	2.88167-011005	3251	371
9.90000+05	2.87949-01	1.00000+06	2.87730-01	1.10000+06	2.85545-011005	3251	372
1.20000+06	2.83360-01	1.30000+06	2.81175-01	1.40000+06	2.78990-011005	3251	373
1.50000+06	2.76805-01	1.60000+06	2.74620-01	1.70000+06	2.72435-011005	3251	374
1.80000+06	2.70250-01	1.90000+06	2.68065-01	2.00000+06	2.65879-011005	3251	375
2.10000+06	2.63694-01	2.20000+06	2.61509-01	2.30000+06	2.59324-011005	3251	376
2.40000+06	2.57139-01	2.50000+06	2.54954-01	2.60000+06	2.52769-011005	3251	377
2.70000+06	2.50584-01	2.80000+06	2.48399-01	2.90000+06	2.46214-011005	3251	378
3.00000+06	2.44028-01	3.10000+06	2.41843-01	3.20000+06	2.39658-011005	3251	379
3.30000+06	2.37473-01	3.40000+06	2.44027-01	3.50000+06	2.59321-011005	3251	380
3.60000+06	2.74615-01	3.70000+06	2.89908-01	3.80000+06	3.05202-011005	3251	381
3.90000+06	3.20495-01	4.00000+06	3.35789-01	4.10000+06	3.51316-011005	3251	382
4.20000+06	3.66844-01	4.30000+06	3.82371-01	4.40000+06	3.97899-011005	3251	383
4.50000+06	4.13426-01	4.60000+06	4.28954-01	4.70000+06	4.44481-011005	3251	384
4.80000+06	4.60008-01	4.90000+06	4.75536-01	5.00000+06	4.91063-011005	3251	385
5.10000+06	5.06591-01	5.20000+06	5.15622-01	5.30000+06	5.18156-011005	3251	386
5.40000+06	5.20691-01	5.50000+06	5.23225-01	5.60000+06	5.25760-011005	3251	387

5.70000+06	5.28294-01	5.80000+06	5.30829-01	5.90000+06	5.33363-011005	3251	388
6.00000+06	5.35898-01	6.10000+06	5.38432-01	6.20000+06	5.40967-011005	3251	389
6.30000+06	5.43501-01	6.40000+06	5.48742-01	6.50000+06	5.58043-011005	3251	390
6.60000+06	5.67343-01	6.70000+06	5.76644-01	6.80000+06	5.85945-011005	3251	391
6.90000+06	5.95245-01	7.00000+06	6.04546-01	7.10000+06	6.13847-011005	3251	392
7.20000+06	6.23147-01	7.30000+06	6.32448-01	7.40000+06	6.41749-011005	3251	393
7.50000+06	6.51049-01	7.60000+06	6.55959-01	7.70000+06	6.57941-011005	3251	394
7.80000+06	6.59923-01	7.90000+06	6.61905-01	8.00000+06	6.63886-011005	3251	395
8.10000+06	6.65868-01	8.20000+06	6.67850-01	8.30000+06	6.69832-011005	3251	396
8.40000+06	6.71814-01	8.50000+06	6.73796-01	8.60000+06	6.75778-011005	3251	397
8.70000+06	6.77760-01	8.80000+06	6.79742-01	8.90000+06	6.81724-011005	3251	398
9.00000+06	6.83705-01	9.10000+06	6.85687-01	9.20000+06	6.87649-011005	3251	399
9.30000+06	6.89651-01	9.40000+06	6.91633-01	9.50000+06	6.93615-011005	3251	400
9.60000+06	6.95597-01	9.70000+06	6.97579-01	9.80000+06	6.99561-011005	3251	401
9.90000+06	7.01543-01	1.00000+07	7.03525-01		1005	3251	402
0.0	+00	0.0	+00	0	0	01005	3 0
3006.	5.9634			0	0	01005	3252
0.0	0.0			0	2	2721005	3252
	2	1	272	3		1005	3252
1.00000-03	2.98261-01	1.00000+04	2.98261-01	1.10000+04	2.98263-011005	3252	407
1.20000+04	2.98464-01	1.30000+04	2.98566-01	1.40000+04	2.98667-011005	3252	408
1.50000+04	2.98769-01	1.60000+04	2.98870-01	1.70000+04	2.98972-011005	3252	409
1.80000+04	2.99073-01	1.90000+04	2.99175-01	2.00000+04	2.99276-011005	3252	410
2.10000+04	2.99378-01	2.20000+04	2.99479-01	2.30000+04	2.99581-011005	3252	411
2.40000+04	2.99682-01	2.50000+04	2.99784-01	2.60000+04	2.99895-011005	3252	412
2.70000+04	2.99987-01	2.80000+04	3.00088-01	2.90000+04	3.00190-011005	3252	413
3.00000+04	3.00291-01	3.10000+04	3.00393-01	3.20000+04	3.00494-011005	3252	414
3.30000+04	3.00596-01	3.40000+04	3.00697-01	3.50000+04	3.00799-011005	3252	415
3.60000+04	3.00900-01	3.70000+04	3.01002-01	3.80000+04	3.01103-011005	3252	416
3.90000+04	3.01205-01	4.00000+04	3.01306-01	4.10000+04	3.01408-011005	3252	417
4.20000+04	3.01509-01	4.30000+04	3.01611-01	4.40000+04	3.01712-011005	3252	418
4.50000+04	3.01814-01	4.60000+04	3.01915-01	4.70000+04	3.02017-011005	3252	419
4.80000+04	3.02118-01	4.90000+04	3.02220-01	5.00000+04	3.02321-011005	3252	420
5.10000+04	3.02423-01	5.20000+04	3.02524-01	5.30000+04	3.02626-011005	3252	421
5.40000+04	3.02727-01	5.50000+04	3.02829-01	5.60000+04	3.02930-011005	3252	422
5.70000+04	3.03032-01	5.80000+04	3.03133-01	5.90000+04	3.03235-011005	3252	423
6.00000+04	3.03336-01	6.10000+04	3.03438-01	6.20000+04	3.03539-011005	3252	424
6.30000+04	3.03641-01	6.40000+04	3.03742-01	6.50000+04	3.03844-011005	3252	425
6.60000+04	3.03945-01	6.70000+04	3.04047-01	6.80000+04	3.04148-011005	3252	426
6.90000+04	3.04250-01	7.00000+04	3.04351-01	7.10000+04	3.04453-011005	3252	427
7.20000+04	3.04554-01	7.30000+04	3.04656-01	7.40000+04	3.04757-011005	3252	428
7.50000+04	3.04859-01	7.60000+04	3.04960-01	7.70000+04	3.05062-011005	3252	429
7.80000+04	3.05163-01	7.90000+04	3.05265-01	8.00000+04	3.05366-011005	3252	430
8.10000+04	3.05468-01	8.20000+04	3.05569-01	8.30000+04	3.05671-011005	3252	431
8.40000+04	3.05772-01	8.50000+04	3.05874-01	8.60000+04	3.05975-011005	3252	432
8.70000+04	3.06077-01	8.80000+04	3.06178-01	8.90000+04	3.06280-011005	3252	433
9.00000+04	3.06381-01	9.10000+04	3.06482-01	9.20000+04	3.06584-011005	3252	434
9.30000+04	3.06685-01	9.40000+04	3.06787-01	9.50000+04	3.06888-011005	3252	435
9.60000+04	3.06990-01	9.70000+04	3.07091-01	9.80000+04	3.07193-011005	3252	436
9.90000+04	3.07294-01	1.00000+05	3.07396-01	1.10000+05	3.08411-011005	3252	437
1.20000+05	3.09426-01	1.30000+05	3.10441-01	1.40000+05	3.11456-011005	3252	438
1.50000+05	3.12471-01	1.60000+05	3.13486-01	1.70000+05	3.14501-011005	3252	439
1.80000+05	3.15516-01	1.90000+05	3.16531-01	2.00000+05	3.17546-011005	3252	440
2.10000+05	3.18561-01	2.20000+05	3.22931-01	2.30000+05	3.17207-011005	3252	441
2.40000+05	3.05639-01	2.50000+05	3.02052-01	2.60000+05	2.73916-011005	3252	442
2.70000+05	3.29262-01	2.80000+05	2.78312-01	2.90000+05	2.56014-011005	3252	443
3.00000+05	2.33716-01	3.10000+05	2.33789-01	3.20000+05	2.33863-011005	3252	444
3.30000+05	2.33936-01	3.40000+05	2.34010-01	3.50000+05	2.34083-011005	3252	445
3.60000+05	2.34157-01	3.70000+05	2.34230-01	3.80000+05	2.34304-011005	3252	446
3.90000+05	2.34377-01	4.00000+05	2.34450-01	4.10000+05	2.34524-011005	3252	447
4.20000+05	2.34597-01	4.30000+05	2.34671-01	4.40000+05	2.34744-011005	3252	448
4.50000+05	2.34818-01	4.60000+05	2.34891-01	4.70000+05	2.34964-011005	3252	449
4.80000+05	2.35038-01	4.90000+05	2.35111-01	5.00000+05	2.35185-011005	3252	450
5.10000+05	2.35258-01	5.20000+05	2.35332-01	5.30000+05	2.35405-011005	3252	451
5.40000+05	2.35478-01	5.50000+05	2.35552-01	5.60000+05	2.35625-011005	3252	452
5.70000+05	2.35699-01	5.80000+05	2.35772-01	5.90000+05	2.35846-011005	3252	453
6.00000+05	2.35919-01	6.10000+05	2.35992-01	6.20000+05	2.36066-011005	3252	454
6.30000+05	2.36139-01	6.40000+05	2.36213-01	6.50000+05	2.36286-011005	3252	455
6.60000+05	2.36360-01	6.70000+05	2.36433-01	6.80000+05	2.36506-011005	3252	456
6.90000+05	2.36580-01	7.00000+05	2.36653-01	7.10000+05	2.36727-011005	3252	457
7.20000+05	2.36800-01	7.30000+05	2.36874-01	7.40000+05	2.36947-011005	3252	458
7.50000+05	2.37020-01	7.60000+05	2.37094-01	7.70000+05	2.37167-011005	3252	459
7.80000+05	2.37241-01	7.90000+05	2.37314-01	8.00000+05	2.37388-011005	3252	460
8.10000+05	2.37461-01	8.20000+05	2.37535-01	8.30000+05	2.37608-011005	3252	461

8.40000+05	2.37681-01	8.50000+05	2.37755-01	8.60000+05	2.37828-011005	3252	462
8.70000+05	2.37902-01	8.80000+05	2.37975-01	8.90000+05	2.38049-011005	3252	463
9.00000+05	2.38122-01	9.10000+05	2.38195-01	9.20000+05	2.38269-011005	3252	464
9.30000+05	2.38342-01	9.40000+05	2.38416-01	9.50000+05	2.38489-011005	3252	465
9.60000+05	2.38563-01	9.70000+05	2.38636-01	9.80000+05	2.38709-011005	3252	466
9.90000+05	2.38783-01	1.00000+06	2.38856-01	1.10000+06	2.39591-011005	3252	467
1.20000+06	2.40325-01	1.30000+06	2.41059-01	1.40000+06	2.41794-011005	3252	468
1.50000+06	2.42528-01	1.60000+06	2.43262-01	1.70000+06	2.43997-011005	3252	469
1.80000+06	2.44731-01	1.90000+06	2.45465-01	2.00000+06	2.46199-011005	3252	470
2.10000+06	2.46934-01	2.20000+06	2.47668-01	2.30000+06	2.48472-011005	3252	471
2.40000+06	2.49137-01	2.50000+06	2.49871-01	2.60000+06	2.50605-011005	3252	472
2.70000+06	2.51340-01	2.80000+06	2.52074-01	2.90000+06	2.52808-011005	3252	473
3.00000+06	2.53543-01	3.10000+06	2.54277-01	3.20000+06	2.55011-011005	3252	474
3.30000+06	2.55746-01	3.40000+06	2.53546-01	3.50000+06	2.48411-011005	3252	475
3.60000+06	2.43277-01	3.70000+06	2.38143-01	3.80000+06	2.33008-011005	3252	476
3.90000+06	2.27874-01	4.00000+06	2.22740-01	4.10000+06	2.17530-011005	3252	477
4.20000+06	2.12320-01	4.30000+06	2.07110-01	4.40000+06	2.01900-011005	3252	478
4.50000+06	1.96690-01	4.60000+06	1.91480-01	4.70000+06	1.86270-011005	3252	479
4.80000+06	1.81060-01	4.90000+06	1.75850-01	5.00000+06	1.70640-011005	3252	480
5.10000+06	1.65430-01	5.20000+06	1.62308-01	5.30000+06	1.61544-011005	3252	481
5.40000+06	1.60691-01	5.50000+06	1.59837-01	5.60000+06	1.58983-011005	3252	482
5.70000+06	1.58129-01	5.80000+06	1.57276-01	5.90000+06	1.56422-011005	3252	483
6.00000+06	1.55568-01	6.10000+06	1.54714-01	6.20000+06	1.53961-011005	3252	484
6.30000+06	1.53007-01	6.40000+06	1.51249-01	6.50000+06	1.48133-011005	3252	485
6.60000+06	1.45018-01	6.70000+06	1.41902-01	6.80000+06	1.38787-011005	3252	486
6.90000+06	1.35672-01	7.00000+06	1.32556-01	7.10000+06	1.29441-011005	3252	487
7.20000+06	1.26325-01	7.30000+06	1.23210-01	7.40000+06	1.20095-011005	3252	488
7.50000+06	1.16979-01	7.60000+06	1.15333-01	7.70000+06	1.14667-011005	3252	489
7.80000+06	1.14000-01	7.90000+06	1.13333-01	8.00000+06	1.12667-011005	3252	490
8.10000+06	1.12000-01	8.20000+06	1.11334-01	8.30000+06	1.10667-011005	3252	491
8.40000+06	1.10001-01	8.50000+06	1.09334-01	8.60000+06	1.08667-011005	3252	492
8.70000+06	1.08001-01	8.80000+06	1.07334-01	8.90000+06	1.06668-011005	3252	493
9.00000+06	1.06001-01	9.10000+06	1.05335-01	9.20000+06	1.04668-011005	3252	494
9.30000+06	1.04001-01	9.40000+06	1.03335-01	9.50000+06	1.02668-011005	3252	495
9.60000+06	1.02002-01	9.70000+06	1.01335-01	9.80000+06	1.00669-011005	3252	496
9.90000+06	1.00002-01	1.00000+07	9.93355-02		1005 3252	497	
0.0	+00	+00	0	0	01005 3	0 498	
0.0	+00	+00	0	0	01005 0	0 499	
3.00600+03	5.96340+00	1	1	0	01005 4	2 500	
0.0	5.96340+00	0	2	100	91005 4	2 501	
1.00000+00	1.11793-01	5.64675-03-7.27368-09	0.	0.	1005 4	2 502	
0.	0.	0.	0.	0.	9.83128-011005	4 2 503	
1.99603-01	1.92820-02	9.05124-04	2.24555-05-9.33512-07	0.	1005 4	2 504	
0.	0.	0.	-1.09099-01	9.56152-01	2.81181-011005	4 2 505	
3.97808-02	3.26351-03	1.66500-04	2.97735-06	3.27749-07	3.04771-091005	4 2 506	
0.	1.64326-02-1.92492-01	9.15323-01	3.56755-01	6.65471-021005	4 2 507		
7.60584-03	5.79766-04	2.71173-05	1.23690-06	0.	-2.62219-031005	4 2 508	
3.69008-02-2.67236-01	8.62117-01	4.25371-01	9.88728-02	1.43975-021005	4 2 509		
1.44813-03	1.00786-04	0.	4.27318-04-6.87680-03	6.25632-021005	4 2 510		
-3.34041-01	7.97712-01	4.85836-01	1.35912-01	2.40232-02	2.98952-031005	4 2 511	
0.	-7.03365-05	1.25819-03-1.33873-02	9.28342-02-3.92173-011005	4	2 512		
7.23475-01	5.37015-01	1.76687-01	3.67721-02	0.	1.16417-051005	4 2 513	
-2.27240-04	2.72409-03-2.24948-02	1.26831-01-4.40738-01	6.40961-011005	4	2 514		
5.77934-01	2.20109-01	0.	-1.93339-06	4.06467-05-5.36492-041005	4 2 515		
5.04861-03-3.44183-02	1.63526-01-4.78941-01	5.51885-01	0.	1005 4	2 516		
0.	3.21801-07-7.17961-06	1.03285-04-1.07828-03	8.45993-031005	4	2 517		
-4.92615-02	2.01800-01-5.06180-01	4.58083-01		1005 4	2 518		
0.	0.	0	0	1	161005 4	2 519	
16	2				1005 4	2 520	
0.	10.00000+03	0	0	9	01005 4	2 521	
0.0	0.0	0.0	0.0	0.0	1005 4	2 522	
0.0	0.0	0.0			1005 4	2 523	
0.	2.10000+05	0	0	9	01005 4	2 524	
-5.01594-02	1.00436-01-8.94592-03-8.32213-04	4.13362-05-7.02119-051005	4	2 525			
1.39201-03-9.74754-04-3.18001-04				1005 4	2 526		
0.	2.25000+05	0	0	9	01005 4	2 527	
-7.04024-02	9.55867-02-1.28675-02	5.85199-03-3.61918-04	1.78458-041005	4	2 528		
-2.36533-04-8.80041-05	1.80448-04			1005 4	2 529		
0.	2.35000+05	0	0	9	01005 4	2 530	
-2.22332-02	1.00094-01	3.87783-04	1.08178-02	6.56087-04	7.60187-051005	4 2 531	
2.39666-04	2.84256-04-5.52297-06			1005 4	2 532		
0.	2.45000+05	0	0	9	01005 4	2 533	
2.04693-03	1.20670-01	9.61335-03	1.97197-02	4.76356-03	2.25113-031005	4 2 534	
2.19244-03	8.48165-04	7.96028-04		1005 4	2 535		

0.	2.55000+05	0	0	9	01005	4	2	536	
-9.80199-04	9.50489-02	-6.85091-03	7.63265-03	-1.96571-03	4.13140-04	1005	4	2	537
5.44124-04	3.88565-04	1.60225-04				1005	4	2	538
0.	2.58000+05	0	0	9	01005	4	2	539	
1.07165-01	6.46772-02	8.05018-03	-1.12635-03	-8.92610-04	-5.18689-04	1005	4	2	540
-1.25674-04	-1.09770-04	-9.20800-05				1005	4	2	541
0.	2.65000+05	0	0	9	01005	4	2	542	
1.63600-02	8.25410-02	1.88530-02	4.19300-03	1.84980-03	9.49989-04	1005	4	2	543
8.48146-04	3.17128-04	-1.20060-04				1005	4	2	544
0.	2.75000+05	0	0	9	01005	4	2	545	
3.60053-02	8.62361-02	1.18305-02	-1.60411-03	-2.38860-03	-1.27401-03	1005	4	2	546
5.25836-04	5.63796-04	-1.54502-05				1005	4	2	547
0.	3.00000+05	0	0	9	01005	4	2	548	
2.07437-01	1.17113-01	5.70558-02	2.04200-02	2.51713-03	-3.87772-03	1005	4	2	549
-3.91244-03	-1.76942-03	-2.02728-04				1005	4	2	550
0.	3.35000+06	0	0	9	01005	4	2	551	
1.43466-01	1.46263-01	1.68521-02	3.44973-03	-2.72813-03	5.98705-03	1005	4	2	552
-2.12242-02	-2.72422-02	2.40668-03				1005	4	2	553
0.	4.00000+06	0	0	9	01005	4	2	554	
2.51003-01	2.06978-01	3.15465-02	7.76825-03	-3.95246-03	-8.22770-04	1005	4	2	555
2.95140-03	1.33464-03	-6.52360-04				1005	4	2	556
0.	5.15000+06	0	0	9	01005	4	2	557	
4.42381-01	3.07013-01	1.03341-01	4.31609-02	5.24165-03	2.19934-03	1005	4	2	558
-1.41713-04	-2.30410-04	-2.63302-04				1005	4	2	559
0.	6.36000+06	0	0	9	01005	4	2	560	
4.72104-01	2.94559-01	1.07058-01	2.82691-02	3.10952-03	1.04911-03	1005	4	2	561
7.49908-04	-8.66376-04	-6.36191-04				1005	4	2	562
0.	7.54000+06	0	0	9	01005	4	2	563	
5.92998-01	3.93103-01	2.01614-01	7.89455-02	2.46202-02	5.69089-03	1005	4	2	564
-9.97243-04	-3.67023-03	-3.68087-03				1005	4	2	565
0.	1.49000+07	0	0	9	01005	4	2	566	
7.32147-01	4.81900-01	2.58097-01	8.58522-02	3.30860-03	-1.58352-02	1005	4	2	567
-1.60521-02	-7.08441-02	1.43348-03				1005	4	2	568
0.	0.	0	0	0	01005	4	0	569	
3.006.	5.9624		2	0	01005	4	4	570	
0.0	0.0		2	0	01005	4	4	571	
0.0	0.0		0	1	21005	4	4	572	
2	2				1005	4	4	573	
0.0	4.158 F+06		0	0	1	21005	4	4	574
2	2				1005	4	4	575	
-1.0	0.5	1.0	0.5			1005	4	4	576
0.0	1.5	F+07	0	0	1	21005	4	4	577
?	?				1005	4	4	578	
-1.0	0.5	1.0	0.5			1005	4	4	579
					1005	4	0	580	
3.006.	5.9624		2	0	01005	4	22	581	
0.0	0.0		1	0	01005	4	22	582	
0.0	0.0		0	1	141005	4	22	583	
14	2				1005	4	22	584	
0.	1.7180F+06		0	0	1	111005	4	22	585
11	2				1005	4	22	586	
-1.0000F+00	3.0530E-01	-8.0000E-01	3.0940E-01	-6.0000E-01	3.2620E-01	1005	4	22	587
-4.0000F-01	3.6960F-01	-2.0000E-01	4.2910F-01	0.	5.0220F-01	1005	4	22	588
2.0000F-01	5.7210E-01	4.0000E-01	6.2520E-01	6.0000F-01	6.6690E-01	1005	4	22	589
8.0000F-01	6.9510F-01	1.0000E+00	7.0310F-01			1005	4	22	590
0.	4.4000F+06		0	0	1	111005	4	22	591
11	2				1005	4	22	592	
-1.0000E+00	2.2660E-01	-8.0000E-01	2.3820E-01	-6.0000E-01	2.5570E-01	1005	4	22	593
-4.0000E-01	2.8470E-01	-2.0000E-01	3.2540E-01	0.	3.9510E-01	1005	4	22	594
2.0000E-01	4.8810E-01	4.0000E-01	6.0430E-01	6.0000E-01	7.7860E-01	1005	4	22	595
8.0000E-01	9.8780E-01	1.0000E+00	1.0575E+00			1005	4	22	596
0.	5.1000F+06		0	0	1	111005	4	22	597
11	2				1005	4	22	598	
-1.0000E+00	2.6940E-01	-8.0000E-01	2.6440E-01	-6.0000E-01	2.8470E-01	1005	4	22	599
-4.0000F-01	3.1520F-01	-2.0000E-01	3.6600F-01	0.	4.3720E-01	1005	4	22	600
2.0000F-01	5.1860E-01	4.0000E-01	6.2020E-01	6.0000E-01	7.4220E-01	1005	4	22	601
8.0000F-01	8.6430E-01	1.0000E+00	9.0490E-01			1005	4	22	602
0.	5.4000F+06		0	0	1	111005	4	22	603
11	2				1005	4	22	604	
-1.0000E+00	2.0200E-01	-8.0000E-01	2.0200E-01	-6.0000E-01	2.2100E-01	1005	4	22	605
-4.0000E-01	2.8410E-01	-2.0000E-01	3.9140E-01	0.	5.0510E-01	1005	4	22	606
2.0000E-01	6.1870E-01	4.0000E-01	7.1970E-01	6.0000E-01	7.7020E-01	1005	4	22	607
8.0000F-01	7.8910E-01	1.0000E+00	7.9550E-01			1005	4	22	608
0.	5.8000F+06		0	0	1	111005	4	22	609

1.718	F+06	1.0	2	3.0	F+06	1.0					1005	5	22	684	
0.0	0.0		2	0	F+06	1.0		5	1		1005	5	22	685	
3.0	F+06	1.0	2	4.1	F+06	1.0		0	1		21005	5	22	686	
0.0	0.0		2	0	0						1005	5	22	687	
3.0	F+06	3.0	2	4.1	F+06	4.1	F+06		1		1005	5	22	688	
0.0	0.0		2	0	0						21005	5	22	689	
4			4	0.3	F+00	2.5		0.5	F+00	0.0		1005	5	22	690
0.0	F+00	2.5	2	1.0	F+00	2.5					1005	5	22	691	
1.0	F+00	0.0	2	0	0						41005	5	22	692	
0.0	0.0		2	0	1						1005	5	22	693	
4.1	F+06	1.0	2	1.5	F+07	1.0		0	1		1005	5	22	694	
0.0	0.0		2	0	0						241005	5	22	695	
24			24	0.1	F+06			0	1		1005	5	22	696	
0.0	4.1	F+06	2	14	0	0		1			141005	5	22	697	
0.	4.6250E-07	2.0000E+05	4.8420E-07	4.0000E+05	5.0330E-07	1005	5	22			1005	5	22	698	
6.0000F+05	5.1650E-07	8.0000E+05	5.2410E-07	1.0000E+06	5.2270E-07	1005	5	22			21005	5	22	699	
1.2000E+06	5.1140E-07	1.4000E+06	4.7610E-07	1.6000E+06	4.1350E-07	1005	5	22			1005	5	22	700	
1.8000F+06	3.3910E-07	2.0000E+06	2.4480F-07	2.2000E+06	1.3420E-07	1005	5	22			241005	5	22	701	
2.4000F+06	7.4400F-08	2.6000E+06	4.9000F-08			1005	5	22			1005	5	22	702	
0.0	4.75	F+06	2	14	0	0		1			141005	5	22	703	
0.	4.6250F-07	2.0000E+05	4.8420F-07	4.0000F+05	5.0330F-07	1005	5	22			1005	5	22	704	
6.0000F+05	5.1650F-07	8.0000E+05	5.2410F-07	1.0000E+06	5.2270E-07	1005	5	22			21005	5	22	705	
1.2000F+06	5.1140F-07	1.4000E+06	4.7610F-07	1.6000E+06	4.1350F-07	1005	5	22			1005	5	22	706	
1.8000F+06	3.3910F-07	2.0000E+06	2.4480F-07	2.2000E+06	1.3420E-07	1005	5	22			241005	5	22	707	
0.0	4.75	F+06	2	14	0	0		1			141005	5	22	708	
0.	4.6250F-07	2.0000E+05	4.8420F-07	4.0000F+05	5.0330F-07	1005	5	22			1005	5	22	709	
6.0000F+05	5.1650F-07	8.0000E+05	5.2410F-07	1.0000E+06	5.2270E-07	1005	5	22			21005	5	22	710	
1.2000F+06	5.1140F-07	1.4000E+06	4.7610F-07	1.6000E+06	4.1350F-07	1005	5	22			1005	5	22	711	
1.8000F+06	3.3910F-07	2.0000E+06	2.4480E-07	2.2000E+06	1.3420E-07	1005	5	22			241005	5	22	712	
2.4000F+06	7.4400F-08	2.6000E+06	4.9000F-08			1005	5	22			1005	5	22	713	
0.0	4.75	F+06	2	14	0	0		1			141005	5	22	714	
0.	4.6250F-07	2.0000E+05	4.8420F-07	4.0000F+05	5.0330F-07	1005	5	22			1005	5	22	715	
6.0000F+05	5.1650F-07	8.0000E+05	5.2410F-07	1.0000E+06	5.2270E-07	1005	5	22			21005	5	22	716	
1.2000F+06	5.1140F-07	1.4000E+06	4.7610F-07	1.6000E+06	4.1350F-07	1005	5	22			1005	5	22	717	
1.8000F+06	3.3910F-07	2.0000E+06	2.4480E-07	2.2000E+06	1.3420E-07	1005	5	22			241005	5	22	718	
2.4000F+06	7.4400F-08	2.6000E+06	4.9000F-08			1005	5	22			1005	5	22	719	
0.0	4.75	F+06	2	14	0	0		1			161005	5	22	720	
0.	3.0580F-07	2.0000E+05	3.3800F-07	4.0000E+05	3.6540F-07	1005	5	22			1005	5	22	721	
6.0000F+05	3.8950F-07	8.0000E+05	4.0720F-07	1.0000E+06	4.2330F-07	1005	5	22			21005	5	22	722	
1.2000F+06	4.2730F-07	1.4000E+06	4.2010E-07	1.6000E+06	3.9110F-07	1005	5	22			1005	5	22	723	
1.8000F+06	3.4280F-07	2.0000E+06	3.0580F-07	2.2000E+06	2.5590F-07	1005	5	22			241005	5	22	724	
2.4000F+06	2.4380F-07	2.6000E+06	2.2530E-07	2.8000E+06	2.1080E-07	1005	5	22			1005	5	22	725	
0.0	5.25	F+06	2	16	0	0		1			161005	5	22	726	
0.	3.0580E-07	2.0000E+05	3.3800E-07	4.0000E+05	3.6540E-07	1005	5	22			1005	5	22	727	
6.0000E+05	3.8950E-07	8.0000E+05	4.0720E-07	1.0000E+06	4.2330E-07	1005	5	22			21005	5	22	728	
1.2000E+06	4.2730E-07	1.4000E+06	4.2010E-07	1.6000E+06	3.9110E-07	1005	5	22			1005	5	22	729	
1.8000E+06	3.4280E-07	2.0000E+06	3.0580E-07	2.2000E+06	2.5590E-07	1005	5	22			241005	5	22	730	
2.4000E+06	2.4380E-07	2.6000E+06	2.2530E-07	2.8000E+06	2.1080E-07	1005	5	22			1005	5	22	731	
0.0	5.25	F+06	2	16	0	0		1			161005	5	22	732	
0.	3.0580E-07	2.0000E+05	3.3800E-07	4.0000E+05	3.6540E-07	1005	5	22			1005	5	22	733	
6.0000E+05	3.8950E-07	8.0000E+05	4.0720E-07	1.0000E+06	4.2330E-07	1005	5	22			21005	5	22	734	
1.2000E+06	4.2730E-07	1.4000E+06	4.2010E-07	1.6000E+06	3.9110E-07	1005	5	22			1005	5	22	735	
1.8000E+06	3.4280E-07	2.0000E+06	3.0580E-07	2.2000E+06	2.5590E-07	1005	5	22			241005	5	22	736	
2.4000E+06	2.4380E-07	2.6000E+06	2.2530E-07	2.8000E+06	2.1080E-07	1005	5	22			1005	5	22	737	
0.0	1.2490E-07	3.2000E+06	1.0700E-07	3.4000E+06	9.1200E-08	1005	5	22			1005	5	22	738	
0.0	5.60	F+06	2	19	0	0		1			191005	5	22	739	
0.	1.8430F-07	2.0000E+05	2.9730F-07	4.0000F+05	3.7660F-07	1005	5	22			1005	5	22	740	
6.0000F+05	4.2410F-07	8.0000F+05	4.5390F-07	1.0000F+06	4.6580F-07	1005	5	22			21005	5	22	741	
1.2000F+06	4.5880F-07	1.4000E+06	4.2220F-07	1.6000E+06	3.6170F-07	1005	5	22			1005	5	22	742	
1.8000F+06	3.0320F-07	2.0000E+06	2.5770F-07	2.2000E+06	2.2200F-07	1005	5	22			241005	5	22	743	
2.4000F+06	1.9230F-07	2.6000E+06	1.6650F-07	2.8000E+06	1.4470F-07	1005	5	22			1005	5	22	744	
0.0	1.2490F-07	3.2000E+06	1.0700F-07	3.4000E+06	9.1200E-08	1005	5	22			241005	5	22	745	
0.0	5.60	F+06	2	19	0	0		1			211005	5	22	746	
0.	1.9650E-07	2.0000E+05	2.5590E-07	4.0000E+05	3.0060E-07	1005	5	22			1005	5	22	747	
6.0000E+05	3.3080E-07	8.0000E+05	3.5030E-07	1.0000E+06	3.5800E-07	1005	5	22			21005	5	22	748	
1.2000E+06	3.6100E-07	1.4000E+06	3.6100E-07	1.6000E+06	3.5710E-07	1005	5	22			1005	5	22	749	
1.8000E+06	3.4640E-07	2.0000E+06	3.2890E-07	2.2000E+06	3.0060E-07	1005	5	22			241005	5	22	750	
2.4000E+06	2.6460E-07	2.6000E+06	2.2860E-07	2.8000E+06	1.9460E-07	1005	5	22			1005	5	22	751	
0.0	1.6440E-07	3.2000E+06	1.3520E-07	3.4000E+06	1.0700E-07	1005	5	22			241005	5	22	752	
0.0	5.6000E+06	8.1700F-08	3.8000E+06	5.7400E-08	4.0000E+06	3.5000E-08	1005	5	22			1005	5	22	753
0.	1.6440E-07	3.2000E+06	1.3520E-07	3.4000E+06	1.0700E-07	1005	5	22			241005	5	22	754	
2.4000E+06	2.6460E-07	2.6000E+06	2.2860E-07	2.8000E+06	1.9460E-07	1005	5	22			1005	5	22	755	
0.0	1.6440E-07	3.2000E+06	1.3520E-07	3.4000E+06	1.0700E-07	1005	5	22			241005	5	22	756	
0.0	5.6000E+06	8.1700F-08	3.8000E+06	5.7400E-08	4.0000E+06	3.5000E-08	1005	5	22			1005	5	22	757

0.0	6.15	F+06	0	0	1	211005	5	22	758	
	21	2					1005	5	22	759
0.	1.9650E-07	2.0000E+05	2.5590E-07	4.0000E+05	3.0060E-071005	5	22			760
6.0000F+05	3.3080E-07	8.0000E+05	3.5030E-07	1.0000E+06	3.5800E-071005	5	22			761
1.2000F+06	3.6100E-07	1.4000E+06	3.6100F-07	1.6000E+06	3.5710E-071005	5	22			762
1.8000E+06	3.4640E-07	2.0000E+06	3.2890E-07	2.2000E+06	3.0060E-071005	5	22			763
2.4000E+06	2.6460E-07	2.6000E+06	2.2860E-07	2.8000E+06	1.9460E-071005	5	22			764
3.0000F+06	1.6440E-07	3.2000E+06	1.3520E-07	3.4000E+06	1.0700E-071005	5	22			765
3.6000F+06	8.1700E-08	3.8000E+06	5.7400E-08	4.0000E+06	3.5000E-081005	5	22			766
0.0	6.15	F+06	0	0	1	211005	5	22	767	
	21	2					1005	5	22	768
0.	1.0830F-07	2.0000F+05	1.6690F-07	4.0000F+05	2.1570F-071005	5	22			769
6.0000F+05	2.4860F-07	8.0000F+05	2.6460F-07	1.0000F+06	2.7430F-071005	5	22			770
1.2000F+06	2.8230F-07	1.4000F+06	2.8850F-07	1.6000F+06	2.9300F-071005	5	22			771
1.8000F+06	2.9650F-07	2.0000F+06	2.9740F-07	2.2000F+06	2.9650F-071005	5	22			772
2.4000F+06	2.9300E-07	2.6000E+06	2.8850E-07	2.8000E+06	2.7880E-071005	5	22			773
3.0000F+06	2.6460F-07	3.2000F+06	2.4500F-07	3.4000E+06	2.2020E-071005	5	22			774
3.6000F+06	1.9350F-07	3.8000E+06	1.6690E-07	4.0000E+06	1.4200E-071005	5	22			775
0.0	6.75	F+06	0	0	1	211005	5	22	776	
	21	2					1005	5	22	777
0.	1.0830F-07	2.0000F+05	1.6690F-07	4.0000F+05	2.1570E-071005	5	22			778
6.0000F+05	2.4860F-07	8.0000F+05	2.6460F-07	1.0000E+06	2.7430F-071005	5	22			779
1.2000F+06	2.8230F-07	1.4000F+06	2.8850F-07	1.6000F+06	2.9300F-071005	5	22			780
1.8000F+06	2.9650F-07	2.0000F+06	2.9740F-07	2.2000F+06	2.9650F-071005	5	22			781
2.4000F+06	2.9300F-07	2.6000F+06	2.8850F-07	2.8000F+06	2.7880E-071005	5	22			782
3.0000F+06	2.6460F-07	3.2000E+06	2.4500F-07	3.4000E+06	2.2020E-071005	5	22			783
3.6000F+06	1.9350F-07	3.8000E+06	1.6690E-07	4.0000E+06	1.4200E-071005	5	22			784
0.0	6.75	F+06	0	0	1	211005	5	22	785	
	21	2					1005	5	22	786
0.	1.4720F-07	2.5000E+05	1.7670F-07	5.0000E+05	2.0060E-071005	5	22			787
7.5000F+05	2.1540E-07	1.0000E+06	2.2550E-07	1.2500E+06	2.3190E-071005	5	22			788
1.5000E+06	2.3650F-07	1.7500E+06	2.3840F-07	2.0000E+06	2.3930E-071005	5	22			789
2.2500E+06	2.3960F-07	2.5000E+06	2.3930E-07	2.7500E+06	2.3840E-071005	5	22			790
3.0000F+06	2.3560F-07	3.2500E+06	2.3470F-07	3.5000E+06	2.2730F-071005	5	22			791
3.7500F+06	2.1720F-07	4.0000F+06	2.0250F-07	4.2500E+06	1.5280F-071005	5	22			792
4.5000F+06	8.6500F-08	4.7500E+06	6.2600E-08	5.0000E+06	5.1500E-081005	5	22			793
0.0	7.25	F+06	0	0	1	211005	5	22	794	
	21	2					1005	5	22	795
0.	1.4720F-07	2.5000E+05	1.7670F-07	5.0000E+05	2.0060E-071005	5	22			796
7.5000F+05	2.1540F-07	1.0000F+06	2.2550F-07	1.2500F+06	2.3190E-071005	5	22			797
1.5000F+06	2.3650F-07	1.7500E+06	2.3840F-07	2.0000F+06	2.3930F-071005	5	22			798
2.2500F+06	2.3960F-07	2.5000F+06	2.3930E-07	2.7500E+06	2.3840E-071005	5	22			799
3.0000E+06	2.3560E-07	3.2500E+06	2.3470F-07	3.5000E+06	2.2730F-071005	5	22			800
3.7500F+06	2.1720F-07	4.0000F+06	2.0250F-07	4.2500E+06	1.5280F-071005	5	22			801
4.5000F+06	8.6500F-08	4.7500E+06	6.2600E-08	5.0000F+06	5.1500E-081005	5	22			802
0.0	7.25	F+06	0	0	1	121005	5	22	803	
	12	2					1005	5	22	804
0.	9.0400F-08	5.0000F+05	1.3990F-07	1.0000F+06	2.1530F-071005	5	22			805
1.5000F+06	2.4110F-07	2.0000E+06	2.4540F-07	2.5000E+06	2.4540F-071005	5	22			806
3.0000F+06	2.3900F-07	3.5000E+06	2.2280F-07	4.0000E+06	1.9380F-071005	5	22			807
4.5000F+06	1.4750F-07	5.0000E+06	5.6000F-08	5.5000E+06	1.7200E-081005	5	22			808
0.0	7.75	F+06	0	0	1	121005	5	22	809	
	12	2					1005	5	22	810
0.	9.0400F-08	5.0000E+05	1.3990F-07	1.0000E+06	2.1530E-071005	5	22			811
1.5000F+06	2.4110E-07	2.0000E+06	2.4540E-07	2.5000E+06	2.4540E-071005	5	22			812
3.0000F+06	2.3900F-07	3.5000E+06	2.2280F-07	4.0000E+06	1.9380E-071005	5	22			813
4.5000F+06	1.4750E-07	5.0000E+06	5.6000E-08	5.5000E+06	1.7200E-081005	5	22			814
0.0	7.75	F+06	0	0	1	121005	5	22	815	
	12	2					1005	5	22	816
0.	1.0610F-07	5.0000E+05	1.6340F-07	1.0000E+06	1.8890E-071005	5	22			817
1.5000F+06	2.0050F-07	2.0000F+06	2.0800F-07	2.5000E+06	2.1010E-071005	5	22			818
3.0000F+06	2.0800F-07	3.5000E+06	2.0690F-07	4.0000E+06	1.9630E-071005	5	22			819
4.5000F+06	1.7400F-07	5.0000E+06	1.1670F-07	5.5000E+06	6.0500E-081005	5	22			820
6.0000F+06	2.7600F-08						1005	5	22	821
0.0	8.65	F+06	0	0	1	121005	5	22	822	
	13	2					1005	5	22	823
0.	1.0610F-07	5.0000E+05	1.6340F-07	1.0000F+06	1.8890F-071005	5	22			824
1.5000F+06	2.0050F-07	2.0000E+06	2.0800F-07	2.5000E+06	2.1010E-071005	5	22			825
3.0000F+06	2.0800F-07	3.5000E+06	2.0690F-07	4.0000E+06	1.9630E-071005	5	22			826
4.5000F+06	1.7400F-07	5.0000E+06	1.1670F-07	5.5000E+06	6.0500E-081005	5	22			827
6.0000F+06	2.7600F-08						1005	5	22	828
0.0	8.65	F+06	0	0	1	121005	5	22	829	
	14	2					1005	5	22	830
0.	1.1130F-07	5.0000E+05	1.2940F-07	1.0000F+06	1.4470E-071005	5	22			831

1.5000F+06	1.5730F-07	2.0000E+06	1.6700F-07	2.5000E+06	1.7260E-071005	5	22	832	
3.0000E+06	1.7540F-07	3.5000E+06	1.7540F-07	4.0000E+06	1.7260E-071005	5	22	833	
4.5000F+06	1.6560F-07	5.0000E+06	1.5310F-07	5.5000E+06	1.3360E-071005	5	22	834	
6.0000F+06	1.0580F-07	6.5000E+06	7.1000E-08	7.0000E+06	4.1800E-081005	5	22	835	
0.0	1.0	F+07	0	0	1	151005	5	22	
15	2					1005	5	22	
0.	1.1130F-07	5.0000E+05	1.2940F-07	1.0000E+06	1.4470F-071005	5	22	838	
1.5000F+06	1.5730F-07	2.0000E+06	1.6700F-07	2.5000E+06	1.7260E-071005	5	22	839	
3.0000E+06	1.7540F-07	3.5000E+06	1.7540F-07	4.0000E+06	1.7260E-071005	5	22	840	
4.5000F+06	1.6560E-07	5.0000E+06	1.5310F-07	5.5000E+06	1.3360E-071005	5	22	841	
6.0000F+06	1.0580F-07	6.5000E+06	7.1000E-08	7.0000E+06	4.1800E-081005	5	22	842	
0.0	1.0	F+07	0	0	1	181005	5	22	
18	2					1005	5	22	
0.	6.3100F-08	5.0000E+05	1.0360E-07	1.0000E+06	1.3520E-071005	5	22	845	
1.5000F+06	1.5920F-07	2.0000E+06	1.7270E-07	2.5000E+06	1.7420E-071005	5	22	846	
3.0000E+06	1.6820E-07	3.5000E+06	1.6070E-07	4.0000E+06	1.5020E-071005	5	22	847	
4.5000F+06	1.4570F-07	5.0000F+06	1.2620F-07	5.5000F+06	1.1120E-071005	5	22	848	
6.0000E+06	9.6100E-08	6.5000E+06	8.1100E-08	7.0000E+06	6.6100E-081005	5	22	849	
7.5000E+06	5.4100E-08	8.0000E+06	4.5100E-08	8.5000E+06	3.7600E-081005	5	22	850	
0.0	1.13	F+07	0	0	1	181005	5	22	
18	2					1005	5	22	
0.	6.3100E-08	5.0000E+05	1.0360F-07	1.0000CF+06	1.3520E-071005	5	22	853	
1.5000F+06	1.5920F-07	2.0000F+06	1.7270E-07	2.5000F+06	1.7420E-071005	5	22	854	
3.0000E+06	1.6820F-07	3.5000F+06	1.6070F-07	4.0000F+06	1.5020F-071005	5	22	855	
4.5000F+06	1.4570F-07	5.0000E+06	1.2620E-07	5.5000F+06	1.1120E-071005	5	22	856	
6.0000F+06	9.6100F-08	6.5000E+06	8.1100F-08	7.0000E+06	6.6100E-081005	5	22	857	
7.5000E+06	5.4100E-08	8.0000E+06	4.5100E-08	8.5000E+06	3.7600E-081005	5	22	858	
0.0	1.13	F+07	0	0	1	201005	5	22	
20	2					1005	5	22	
0.	4.0600F-08	5.0000F+05	6.0500F-08	1.0000E+06	9.2700F-081005	5	22	860	
1.5000F+06	1.0720F-07	2.0000F+06	1.1590E-07	2.5000F+06	1.2170F-071005	5	22	861	
3.0000E+06	1.2450F-07	3.5000F+06	1.2600F-07	4.0000F+06	1.2740F-071005	5	22	862	
4.5000F+06	1.2800F-07	5.0000F+06	1.2740F-07	5.5000F+06	1.2690F-071005	5	22	864	
6.0000F+06	1.2450F-07	6.5000E+06	1.2020F-07	7.0000E+06	1.1590F-071005	5	22	865	
7.5000F+06	1.1010F-07	8.0000E+06	9.9900F-08	8.5000E+06	8.1100E-081005	5	22	866	
9.0000F+06	4.9200F-08	9.5000E+06	2.3200F-08			1005	5	22	
0.0	1.13	F+07	0	0	1	201005	5	22	
20	2					1005	5	22	
0.	4.0600F-08	5.0000E+05	6.9500F-08	1.0000F+06	9.2700E-081005	5	22	870	
1.5000F+06	1.0720F-07	2.0000F+06	1.1590F-07	2.5000F+06	1.2170F-071005	5	22	871	
3.0000E+06	1.2450F-07	3.5000E+06	1.2600F-C7	4.0000E+06	1.2740E-071005	5	22	872	
4.5000F+06	1.2800F-07	5.0000E+06	1.2740F-07	5.5000F+06	1.2690E-071005	5	22	873	
6.0000F+06	1.2450E-07	6.5000F+06	1.2020F-07	7.0000F+06	1.1590E-071005	5	22	874	
7.5000E+06	1.1010F-07	8.0000E+06	9.9900E-08	8.5000E+06	8.1100E-081005	5	22	875	
9.0000F+06	4.9200F-08	9.5000E+06	2.3200F-08			1005	5	22	
0.0	1.13	F+07	0	0	1	241005	5	22	
24	2					1005	5	22	
0.	5.5900E-08	5.0000E+05	7.5000F-08	1.0000F+06	8.7300F-081005	5	22	879	
1.5000F+06	9.4200F-08	2.0000E+06	9.8800F-08	2.5000F+06	1.0260F-071005	5	22	880	
3.0000E+06	1.0410E-07	3.5000E+06	1.0180E-07	4.0000E+06	9.8000E-081005	5	22	881	
4.5000F+06	9.3400F-08	5.0000E+06	8.8800F-08	5.5000F+06	8.5700E-081005	5	22	882	
6.0000F+06	8.5700F-08	6.5000E+06	9.1900F-08	7.0000F+06	1.0720F-071005	5	22	883	
7.5000F+06	1.1480E-07	8.0000E+06	1.1020F-07	8.5000E+06	9.9500F-081005	5	22	884	
9.0000E+06	8.6500E-08	9.5000E+06	7.43C0E-08	1.0000F+07	6.2800E-081005	5	22	885	
1.0500F+07	5.2100F-08	1.1000F+07	4.1300F-08	1.1500F+07	3.2200F-081005	5	22	886	
0.0	1.15	F+07	0	0	1	241005	5	22	
24	2					1005	5	22	
0.	5.5900F-08	5.0000E+05	7.5000F-08	1.0000F+06	8.7300E-081005	5	22	889	
1.5000F+06	9.4200F-08	2.0000F+06	9.8800F-08	2.5000F+06	1.0260F-071005	5	22	890	
3.0000E+06	1.0410F-07	3.5000F+06	1.0180F-07	4.0000F+06	9.8000E-081005	5	22	891	
4.5000F+06	9.3400E-08	5.0000E+06	8.8800E-08	5.5000E+06	8.5700E-081005	5	22	892	
6.0000F+06	8.5700F-08	6.5000F+06	9.1900F-08	7.0000F+06	1.0720F-071005	5	22	893	
7.5000F+06	1.1480F-07	8.0000F+06	1.1020F-07	8.5000F+06	9.9500F-081005	5	22	894	
9.0000F+06	8.6500E-08	9.5000E+06	7.43C0E-08	1.0000F+07	6.2800E-081005	5	22	895	
1.0500F+07	5.2100F-08	1.1000E+07	4.1300F-08	1.1500F+07	3.2200F-081005	5	22	896	
						1005	5	0	
3006.	5.9624	0	0	2	0	01005	5	24	
0.0	6.2648AF+6	0	3	1	2	21005	5	24	
						1005	5	24	
6.614	F+06	1.0	1.5	F+07	1.0		1005	5	24
0.0	6.2648AF+6	0	3	1	2	21005	5	24	
						1005	5	24	
6.614	F+06	1.0	1.5	F+07	1.0		1005	5	24
						1005	5	0	
						1005	5	0	
						1005	0	0	
						1005	0	0	

TABLE B.2
 ^7Li DATA AS IT APPEARED ON THE FIRST VERSION OF THE
 ENDF/B TAPE (February 28, 1967).

A TRANSCRIPTION ERROR HAS BEEN FOUND IN FILE 4, REACTION
 TYPE 24. IT CAN BE CORRECTED BY REPLACING CARDS 607 AND 609 WITH
 THE FOLLOWING

0.0	0.0	0	0	1	21006 4 24CH607
0.0	1.0	F+07	0	0	21006 4 24CH609

AND INSERTING THE FOLLOWING THREE CARDS AFTER CARD 611

0.0	1.5	F+07	0	0	1	21006 4 241A611
	2	?	2			1006 4 242A611
-1.0	0.5		1.0	0.5		1006 4 243A611

3007.	6.9557	0	0	0	01006 1451	1
0.0	0.0	0	0	22	01006 1451	2
LITHIUM-7 NEUTRON CROSS-SECTION DATA. MATERIAL 1006. ENDF/B.						
DATA FOR LI-7 FOR NEUTRONS IN THE ENERGY RANGE 0.001 EV TO 15 MEV. 1006 1451						
AWRF DATA -- DATA FILE NUMBER (DFN) 215. AS PER AWRF REPORT NO. 1006 1451						
0-55/65 AND 0-61/64. 1006 1451						
DATA FOR MU-BAR AND X1 (MF=3, MT=251,252) FROM H.ALTER OF A1. 1006 1451						
ANGULAR DISTRIBUTION FOR ELASTIC SCATTER (MF=4, MT=2) FROM H.ALTER 1006 1451						
EXCEPT THAT AWR CHANGED FROM 6.9557 TO 6.9557. ALL DATA FROM 1006 1451						
ALTER WERE BY PRIVATE COMMUNICATION. 1006 1451						
ENERGY DISTRIBUTION FOR (N,2N) AND (N,2N) ALPHA REACTIONS (MF=5, MT=1006 1451						
=16,24) CHANGED FROM AWRF LAW 2 WITH VARIOUS REDUCTION FACTORS, TO 1006 1451						
ENDF/B LAW 3, WHICH HAS NO REDUCTION FACTORS. THE SAME FOR (N,N-) 1006 1451						
ALPHA (MT=221) FROM 2.821 TO 4.3 MEV. 1006 1451						
1006 1451						
1006 1451						
INTERPOLATION BETWEEN TABULATED ENERGIES FOR CROSS SECTIONS FOR 1006 1451						
ALL REACTIONS IS LN(SIGMA) LINEAR IN LN(E). 1006 1451						
PLFAST REQUEST ALL QUESTIONS OR COMMENTS REGARDING THESE DATA TO 1006 1451						
P.J. LARAJVE						
UNIVERSITY OF CALIF., LOS ALAMOS SCIENTIFIC LABORATORY 1006 1451						
P.O. BOX 1663						
LOS ALAMOS, NM 87544						
1006 1 0						
1006 0 0						
1006 1451						
3007.	6.9557	0	0	0	01006 2	1
0.0	0.0	0	0	1	1061006 2	1
106	5				1006 2	1
1.0000E-03	1.2210E+00	2.0000E-03	1.1730E+00	3.0000E-03	1.1510E+001006 3	1
4.0000E-03	1.1370E+00	5.0000E-03	1.1280E+00	6.0000E-03	1.1220E+001006 3	1
7.0000E-03	1.1170E+00	8.0000E-03	1.1120E+00	9.0000E-03	1.1090E+001006 3	1
1.0000E-02	1.1060E+00	2.0000E-02	1.0900E+00	2.5000E-02	1.0860E+001006 3	1
1.0000E-01	1.0680E+00	1.0000E+00	1.0550E+00	1.0000E+01	1.0510E+001006 3	1
1.0000E+02	1.0500E+00	1.0000E+03	1.0500E+00	1.0000E+04	1.0500E+001006 3	1
1.0000E+05	9.2940E-01	1.3000E+05	9.6000E-01	1.5000E+05	1.0500E+001006 3	1
1.7000E+05	1.2000E+00	1.8500E+05	1.3800E+00	2.0000E+05	1.7000E+001006 3	1
2.1000E+05	2.0300E+00	2.2000E+05	2.5000E+00	2.3000E+05	4.5000E+001006 3	1
2.4000E+05	6.3000E+00	2.5000E+05	1.0500E+01	2.5800E+05	1.0900E+011006 3	1
2.6000E+05	1.0500E+01	2.7000E+05	6.8000E+00	2.8000E+05	4.7500E+001006 3	1
2.9000E+05	3.6000E+00	3.0000E+05	2.7200E+00	3.1000E+05	2.2500E+001006 3	1
3.2000E+05	2.0500E+00	3.3000E+05	1.8000E+00	3.4000E+05	1.6000E+001006 3	1
3.5000E+05	1.4600E+00	3.6000E+05	1.3800E+00	3.7000E+05	1.3200E+001006 3	1
3.8000E+05	1.2800E+00	3.9000E+05	1.2500E+00	4.0000E+05	1.2300E+001006 3	1
4.5000E+05	1.1200E+00	5.0000E+05	1.0700E+00	5.3000E+05	1.0600E+001006 3	1
5.5000E+05	1.0680E+00	6.0000E+05	1.1000E+00	7.0000E+05	1.2200E+001006 3	1
8.0000E+05	1.3500E+00	9.0000E+05	1.4150E+00	1.0000E+06	1.5000E+001006 3	1

1.1000E+06	1.5300E+00	1.2000E+06	1.5800E+00	1.3000E+06	1.6000E+00	1.001006	3	1	48
1.4000F+06	1.6100F+00	1.5000E+06	1.6200E+00	1.6000F+06	1.6300E+00	1.001006	3	1	49
1.7000F+06	1.6400F+00	1.8000E+06	1.6550E+00	1.9000E+06	1.6750E+00	1.001006	3	1	50
2.0000F+06	1.6900F+00	2.2000E+06	1.7250F+00	2.4000E+06	1.7700E+00	1.001006	3	1	51
2.6000F+06	1.8100F+00	2.8210E+06	1.8510E+00	3.0000E+06	1.9000E+00	1.001006	3	1	52
3.2000F+06	1.9500F+00	3.4000E+06	2.0000E+00	3.6000E+06	2.0500E+00	1.001006	3	1	53
3.8000F+06	2.0900E+00	4.0000E+06	2.1400E+00	4.1000E+06	2.1800E+00	1.001006	3	1	54
4.2000F+06	2.2000F+00	4.3000E+06	2.2200E+00	4.4000E+06	2.2400E+00	1.001006	3	1	55
4.5000F+06	2.2600F+00	4.6000E+06	2.2700F+00	4.7000F+06	2.2750F+00	1.001006	3	1	56
4.9000F+06	2.2700F+00	5.0000E+06	2.2500F+00	5.2000F+06	2.2300E+00	1.001006	3	1	57
5.4000F+06	2.2000E+00	5.5000E+06	2.1800E+00	5.7000E+06	2.1500E+00	1.001006	3	1	58
6.0000F+06	2.1000E+00	6.4000E+06	2.0000E+00	7.0000E+06	1.9100E+00	1.001006	3	1	59
7.5000F+06	1.8500E+00	8.0000E+06	1.8200E+00	8.3000E+06	1.7750E+00	1.001006	3	1	60
8.8800E+06	1.7300F+00	9.0000E+06	1.7200E+00	1.0000E+07	1.6700E+00	1.001006	3	1	61
1.0500F+07	1.6500E+00	1.1000F+07	1.6100F+00	1.1500E+07	1.5900E+00	1.001006	3	1	62
1.2000F+07	1.5600E+00	1.2500E+07	1.5300E+00	1.3000E+07	1.5000E+00	1.001006	3	1	63
1.3500F+07	1.4800E+00	1.4000E+07	1.4600E+00	1.4500E+07	1.4350E+00	1.001006	3	1	64
1.5000F+07	1.4100F+00					1006	3	1	65
						1006	3	0	66
3007.	6.0557	0	0	0	0	01006	3	2	67
0.0	0.0	0	0	1	1	1061006	3	2	68
106	5					1006	3	2	69
1.0000F-03	1.0500F+00	2.0000F-03	1.0500E+00	3.0000E-03	1.0500E+00	1.001006	3	2	70
4.0000F-03	1.0495E+00	5.0000E-03	1.0495E+00	6.0000E-03	1.0500E+00	1.001006	3	2	71
7.0000F-03	1.0500F+00	8.0000E-03	1.0495E+00	9.0000E-03	1.0495E+00	1.001006	3	2	72
1.0000F-02	1.0495E+00	2.0000E-02	1.0498E+00	2.5000E-02	1.0500E+00	1.001006	3	2	73
1.0000E-01	1.0498E+00	1.0000E+00	1.0492E+00	1.0000E+01	1.0492E+00	1.001006	3	2	74
1.0000E+02	1.0494E+00	1.0000E+03	1.0498E+00	1.0000E+04	1.0499E+00	1.001006	3	2	75
1.0000F+05	9.2988E-01	1.3000E+05	9.5998F-01	1.5000E+05	1.0500E+00	1.001006	3	2	76
1.7000F+05	1.2000E+00	1.8500E+05	1.3800E+00	2.0000E+05	1.7000E+00	1.001006	3	2	77
2.1000F+05	2.0300E+00	2.2000E+05	2.5000E+00	2.3000E+05	4.5000E+00	1.001006	3	2	78
2.4000F+05	6.3000F+00	2.5000E+05	1.0500E+01	2.5800E+05	1.0400E+01	1.011006	3	2	79
2.6000F+05	1.0500F+01	2.7000E+05	6.8000E+00	2.8000E+05	4.7500E+00	1.001006	3	2	80
2.9000F+05	3.6000F+00	3.0000E+05	2.7200E+00	3.1000E+05	2.2500E+00	1.001006	3	2	81
3.2000F+05	2.0500E+00	3.3000E+05	1.8000E+00	3.4000E+05	1.6000E+00	1.001006	3	2	82
3.5000F+05	1.4600E+00	3.6000E+05	1.3800E+00	3.7000E+05	1.3200E+00	1.001006	3	2	83
3.8000F+05	1.2800E+00	3.9000E+05	1.2500E+00	4.0000E+05	1.2300E+00	1.001006	3	2	84
4.5000E+05	1.1200E+00	5.0000E+05	1.0700E+00	5.3000E+05	1.0600E+00	1.001006	3	2	85
5.5000E+05	1.0670E+00	6.0000E+05	1.0800E+00	7.0000E+05	1.1700E+00	1.001006	3	2	86
8.0000E+05	1.2700E+00	9.0000E+05	1.3000E+00	1.0000E+06	1.3450E+00	1.001006	3	2	87
1.1000F+06	1.3600E+00	1.2000E+06	1.3900E+00	1.3000E+06	1.4050E+00	1.001006	3	2	88
1.4000F+06	1.4120F+00	1.5000E+06	1.4200E+00	1.6000E+06	1.4300E+00	1.001006	3	2	89
1.7000F+06	1.4410E+00	1.8000E+06	1.4570F+00	1.9000F+06	1.4790F+00	1.001006	3	2	90
2.0000F+06	1.4950F+00	2.2000E+06	1.5320F+00	2.4000F+06	1.5750F+00	1.001006	3	2	91
2.6000F+06	1.6140F+00	2.8210F+06	1.6490F+00	3.0000F+06	1.6830F+00	1.001006	3	2	92
3.2000F+06	1.7100F+00	3.4000E+06	1.7330E+00	3.6000E+06	1.7650E+00	1.001006	3	2	93
3.8000F+06	1.7950F+00	4.0000E+06	1.8350F+00	4.1000E+06	1.8670F+00	1.001006	3	2	94
4.2000F+06	1.8770E+00	4.3000E+06	1.8870E+00	4.4000E+06	1.8940E+00	1.001006	3	2	95
4.5000F+06	1.8990F+00	4.6000E+06	1.8930F+00	4.7000E+06	1.8780F+00	1.001006	3	2	96
4.9000F+06	1.8260F+00	5.0000E+06	1.7780F+00	5.2000E+06	1.6950E+00	1.001006	3	2	97
5.4000F+06	1.6190F+00	5.5000F+06	1.5800F+00	5.7000E+06	1.5230F+00	1.001006	3	2	98
6.0000F+06	1.4570F+00	6.4000E+06	1.3480F+00	7.0000F+06	1.2630F+00	1.001006	3	2	99
7.5000F+06	1.2160F+00	8.0000F+06	1.2000F+00	8.3000F+06	1.1670F+00	1.001006	3	2	100
8.8800F+06	1.1400F+00	9.0000E+06	1.1330F+00	1.0000F+07	1.1060E+00	1.001006	3	2	101
1.0500F+07	1.0940F+00	1.1000F+07	1.0710F+00	1.1500E+07	1.0641F+00	1.001006	3	2	102
1.2000F+07	1.0470F+00	1.2500F+07	1.0267F+00	1.3000F+07	1.0090F+00	1.001006	3	2	103
1.3500F+07	9.9500F-01	1.4000F+07	9.8000F-01	1.4500F+07	9.6100F-01	1.11006	3	2	104
1.5000F+07	9.4200F-01					1006	2	2	105
						1006	2	0	106
3007.	6.0557	0	0	0	0	01006	3	2	107
0.0	0.0	0	0	1	1	1061006	3	2	108
106	5					1006	3	2	109
1.0000F-03	1.7100F-01	2.0000F-03	1.2300F-01	3.0000F-03	1.0100E-01	1.11006	3	3	110
4.0000F-03	8.7500E-02	5.0000E-03	7.8500F-02	6.0000E-03	7.2000E-02	1.021006	3	3	111
7.0000E-03	6.7000E-02	8.0000E-03	6.2500E-02	9.0000E-03	5.9500E-02	1.021006	3	3	112
1.0000F-02	5.6500F-02	2.0000E-02	4.0200E-02	2.5000E-02	3.6000E-02	1.021006	3	3	113
1.0000F-01	1.8200E-02	1.0000E+00	5.8000F-03	1.0000E+01	1.8000E-03	1.031006	3	3	114
1.0000F+02	6.0000F-04	1.0000F+03	2.0000F-04	1.0000F+04	1.0000F+04	1.041006	3	3	115
1.0000F+05	2.0000F-05	1.3000E+05	2.0000E-05	1.5000E+05	1.0000E+05	1.051006	3	3	116
1.7000F+05	1.0000F-05	1.8500F+05	1.0000E-05	2.0000F+05	1.0000F-05	1.051006	3	3	117
2.1000F+05	1.0000F-05	2.2000E+05	1.0000F-05	2.3000F+05	1.0000E-05	1.051006	3	3	118
2.4000F+05	1.0000F-05	2.5000E+05	1.0000F-05	2.5800E+05	1.0000F-05	1.051006	3	3	119

2.6000F+05	1.0000F-05	2.7000E+05	1.0000E-05	2.8000F+05	1.0000E-051006	3	120
2.9000F+05	1.0000F-05	3.0000E+05	1.0000E-05	3.1000E+05	1.0000E-051006	3	121
3.2000F+05	1.0000F-05	3.3000E+05	1.0000E-05	3.4000E+05	1.0000E-051006	3	122
3.5000F+05	1.0000F-05	3.6000E+05	1.0000E-05	3.7000E+05	1.0000E-051006	3	123
3.8000F+05	1.0000E-05	3.9000E+05	1.0000E-05	4.0000E+05	1.0000E-051006	3	124
4.5000F+05	1.0000E-05	5.0000E+05	1.0000E-05	5.3000E+05	1.0000E-051006	3	125
5.5000F+05	1.0100E-03	6.0000E+05	2.0010F-02	7.0000E+05	5.0010E-021006	3	126
8.0000F+05	8.0010F-02	9.0000F+05	1.1500F-01	1.0000F+06	1.5500F-011006	3	127
1.1000F+06	1.7000F-01	1.2000F+06	1.9000F-01	1.3000F+06	1.9500F-011006	3	128
1.4000F+06	1.9800F-01	1.5000F+06	2.0000F-01	1.6000E+06	2.0000E-011006	3	129
1.7000F+06	1.9900F-01	1.8000E+06	1.9800F-01	1.9000F+06	1.9600F-011006	3	130
2.0000F+06	1.9500F-01	2.2000E+06	1.9300F-01	2.4000F+06	1.9500E-011006	3	131
2.6000F+06	1.9600F-01	2.8210F+06	2.0200F-01	3.0000F+06	2.1700F-011006	3	132
3.2000F+06	2.4000E-01	3.4000E+06	2.6700E-01	3.6000E+06	2.8500E-011006	3	133
3.8000F+06	2.9500F-01	4.0000E+06	3.0500E-01	4.1000E+06	3.1300E-011006	3	134
4.2000F+06	3.2300E-01	4.3000E+06	3.3300E-01	4.4000E+06	3.4600E-011006	3	135
4.5000F+06	3.6100E-01	4.6000E+06	3.7700E-01	4.7000E+06	3.9700E-011006	3	136
4.9000F+06	4.4400F-01	5.0000E+06	4.7200F-01	5.2000E+06	5.3500E-011006	3	137
5.4000F+06	5.8100E-01	5.5000E+06	6.0000F-01	5.7000F+06	6.2700F-011006	3	138
6.0000F+06	6.4300E-01	6.4000E+06	6.5200F-01	7.0000E+06	6.4700E-011006	3	139
7.5000F+06	6.2400F-01	8.0000F+06	6.2000F-01	8.3000F+06	6.0800E-011006	3	140
8.8800F+06	5.9000F-01	9.0000F+06	5.8700F-01	1.0000F+07	5.6400F-011006	3	141
1.0500F+07	5.5600F-01	1.1000F+07	5.3900F-01	1.1500F+07	5.2590F-011006	3	142
1.2000F+07	5.1300E-01	1.2500E+07	5.0330F-01	1.3000F+07	4.9100F-011006	3	143
1.3500F+07	4.8500F-01	1.4000E+07	4.8000F-01	1.4500E+07	4.7400E-011006	3	144
1.5000F+07	4.6800F-01					1006	2
						1006	2
						1006	2
						1006	2
3007.	6.9557	0	1	0	01006	3	147
0.0	-4.78 F+05	0	0	1	581006	3	148
					1006	3	149
					1006	3	150
					1006	3	151
					1006	3	152
					1006	3	153
					1006	3	154
					1006	3	155
					1006	3	156
					1006	3	157
					1006	3	158
					1006	3	159
					1006	3	160
					1006	3	161
					1006	3	162
					1006	3	163
					1006	3	164
					1006	3	165
					1006	3	166
					1006	3	167
					1006	3	168
					1006	3	169
					1006	3	170
3007.	6.9557	0	0	0	01006	3	171
0.0	-7.252 F+06	0	0	1	141006	3	172
					1006	3	173
					1006	3	174
					1006	3	175
					1006	3	176
					1006	3	177
					1006	3	178
					1006	3	179
					1006	3	180
					1006	3	181
					1006	3	182
					1006	3	183
					1006	3	184
					1006	3	185
					1006	3	186
					1006	3	187
					1006	3	188
					1006	3	189
					1006	3	190

8.0000F+06	4.2500F-01	8.3000E+06	4.2200E-01	8.8800E+06	4.2000E-01	1006	3	22	191
9.0000F+06	4.1900F-01	1.0000E+07	4.1400E-01	1.0500E+07	4.1000E-01	1006	3	22	192
1.1000F+07	4.0000E-01	1.1500E+07	3.9100E-01	1.2000E+07	3.8000E-01	1006	3	22	193
1.2500F+07	3.6800F-01	1.3000E+07	3.5500E-01	1.3500E+07	3.4500E-01	1006	3	22	194
1.4000E+07	3.3500E-01	1.4500E+07	3.2240E-01	1.5000E+07	3.1000E-01	1006	3	22	195
3007.	6.9557	0	0	0	0	1006	3	0	196
0.0	-8.723 F+06	0	0	1	111006	3	24	197	
11	5					1006	3	24	198
1.0000F+07	1.0000E-03	1.0500E+07	2.0000E-03	1.1000F+07	5.0000E-03	1006	3	24	200
1.1500F+07	8.6000E-03	1.2000E+07	1.3000E-02	1.2500E+07	1.7500E-02	1006	3	24	201
1.3000F+07	2.2000E-02	1.3500E+07	2.7400E-02	1.4000E+07	3.3000E-02	1006	3	24	202
1.4500F+07	3.8000E-02	1.5000E+07	4.3000E-02			1006	3	0	203
3007.	6.9557	0	0	0	0	1006	3	0	204
0.0	2.032 F+06	0	0	1	1061006	3	102	205	
106	5					1006	3	102	206
1.0000E-03	1.7100E-01	2.0000E-03	1.2300E-01	3.0000E-03	1.0100E-01	1006	3	102	208
4.0000F-03	8.7500E-02	5.0000E-03	7.8500E-02	6.0000E-03	7.2000E-02	1006	3	102	209
7.0000F-03	6.7000E-02	8.0000E-03	6.2500E-02	9.0000E-03	5.9500E-02	1006	3	102	210
1.0000F-02	5.6500E-02	2.0000E-02	4.0200E-02	2.5000E-02	3.6000E-02	1006	3	102	211
1.0000F-01	1.8200F-02	1.0000F+00	5.8000F-03	1.0000F+01	1.8000F-03	1006	3	102	212
1.0000F+02	6.0000E-04	1.0000E+03	2.0000E-04	1.0000F+04	1.0000E-04	1006	3	102	213
1.0000F+05	2.0000E-05	1.3000E+05	2.0000E-05	1.5000E+05	1.0000E-05	1006	3	102	214
1.7000F+05	1.0000F-05	1.8500E+05	1.0000F-05	2.0000E+05	1.0000E-05	1006	3	102	215
2.1000F+05	1.0000E-05	2.2000E+05	1.0000E-05	2.3000E+05	1.0000E-05	1006	3	102	216
2.4000F+05	1.0000E-05	2.5000E+05	1.0000E-05	2.5800E+05	1.0000E-05	1006	3	102	217
2.6000F+05	1.0000E-05	2.7000E+05	1.0000E-05	2.8000E+05	1.0000E-05	1006	3	102	218
2.9000E+05	1.0000E-05	3.0000E+05	1.0000E-05	3.1000E+05	1.0000E-05	1006	3	102	219
3.2000E+05	1.0000E-05	3.3000E+05	1.0000E-05	3.4000E+05	1.0000E-05	1006	3	102	220
3.5000E+05	1.0000E-05	3.6000E+05	1.0000E-05	3.7000E+05	1.0000E-05	1006	3	102	221
3.8000E+05	1.0000E-05	3.9000E+05	1.0000E-05	4.0000E+05	1.0000E-05	1006	3	102	222
4.5000F+05	1.0000F-05	5.0000E+05	1.0000F-05	5.3000F+05	1.0000F-05	1006	3	102	223
5.5000E+05	1.0000E-05	6.0000E+05	1.0000F-05	7.0000F+05	1.0000F-05	1006	3	102	224
8.0000F+05	1.0000F-05	9.0000F+05	1.0000F-05	1.0000F+06	1.0000F-05	1006	3	102	225
1.1000F+06	1.0000F-05	1.2000E+06	1.0000F-05	1.3000F+06	1.0000E-05	1006	3	102	226
1.4000F+06	1.0000F-05	1.5000E+06	1.0000F-05	1.6000F+06	1.0000E-05	1006	3	102	227
1.7000F+06	1.0000F-05	1.8000E+06	1.0000F-05	1.9000F+06	1.0000E-05	1006	3	102	228
2.0000F+06	1.0000E-05	2.2000E+06	1.0000E-05	2.4000E+06	1.0000E-05	1006	3	102	229
2.6000E+06	1.0000E-05	2.8210E+06	1.0000E-05	3.0000E+06	1.0000E-05	1006	3	102	230
3.2000F+06	1.0000F-05	3.4000E+06	1.0000E-05	3.6000E+06	1.0000E-05	1006	3	102	231
3.8000E+06	1.0000E-05	4.0000E+06	1.0000E-05	4.1000E+06	1.0000E-05	1006	3	102	232
4.2000F+06	1.0000E-05	4.3000E+06	1.0000E-05	4.4000E+06	1.0000E-05	1006	3	102	233
4.5000E+06	1.0000E-05	4.6000E+06	1.0000E-05	4.7000E+06	1.0000E-05	1006	3	102	234
4.9000F+06	1.0000F-05	5.0000E+06	1.0000F-05	5.2000E+06	1.0000E-05	1006	3	102	235
5.4000F+06	1.0000E-05	5.5000E+06	1.0000E-05	5.7000E+06	1.0000E-05	1006	3	102	236
6.0000F+06	1.0000F-05	6.4000E+06	1.0000E-05	7.0000E+06	1.0000E-05	1006	3	102	237
7.5000E+06	1.0000E-05	8.0000E+06	1.0000E-05	8.3000E+06	1.0000E-05	1006	3	102	238
8.8000E+06	1.0000E-05	9.0000E+06	1.0000E-05	1.0000E+07	1.0000E-05	1006	3	102	239
1.0500F+07	1.0000E-05	1.1000E+07	1.0000E-05	1.1500E+07	1.0000E-05	1006	3	102	240
1.2000F+07	1.0000E-05	1.2500E+07	1.0000E-05	1.3000E+07	1.0000E-05	1006	3	102	241
1.3500E+07	1.0000E-05	1.4000E+07	1.0000E-05	1.4500E+07	1.0000E-05	1006	3	102	242
1.5000F+07	1.0000F-05	1.0000F-05				1006	3	102	243
3007.	6.9557	0	0	0	0	1006	3	0	244
0.0	-7.76 F+06	0	0	1	131006	3	104	245	
13	5					1006	3	104	246
8.8800F+06	1.0000F-03	9.0000E+06	1.0000F-03	1.0000F+07	1.0000E-03	1006	3	104	248
1.0500F+07	2.0000F-03	1.1000E+07	3.0000E-03	1.1500E+07	3.6000E-03	1006	3	104	249
1.2000F+07	5.0000F-03	1.2500F+07	6.8000F-03	1.3000F+07	8.0000F-03	1006	3	104	250
1.3500E+07	9.0000F-03	1.4000E+07	1.0000E-02	1.4500E+07	1.1000E-02	1006	3	104	251
1.5000F+07	1.2000F-02					1006	3	104	252
3007.	6.9557	0	0	0	0	1006	3	0	253
0.0	0.0	0	0	2	2721006	3	251	254	
2	1	272	3			1006	3	251	255
1.0000-03	9.49940-02	1.00000+04	9.49940-02	1.10000+04	9.67060-02	1006	3	251	257
1.20000+04	9.84190-02	1.30000+04	1.00130-01	1.40000+04	1.01840-01	1006	3	251	258
1.50000+04	1.03560-01	1.60000+04	1.05270-01	1.70000+04	1.06980-01	1006	3	251	259
1.80000+04	1.08690-01	1.90000+04	1.10410-01	2.00000+04	1.12120-01	1006	3	251	260
2.10000+04	1.13830-01	2.20000+04	1.15540-01	2.30000+04	1.17260-01	1006	3	251	261
2.40000+04	1.18970-01	2.50000+04	1.20680-01	2.60000+04	1.22390-01	1006	3	251	262

2.70000+04	1.24110-01	2.80000+04	1.25820-01	2.90000+04	1.27530-011006	3251	263
3.00000+04	1.29240-01	3.10000+04	1.30960-01	3.20000+04	1.32670-011006	3251	264
3.30000+04	1.34380-01	3.40000+04	1.36090-01	3.50000+04	1.37810-011006	3251	265
3.60000+04	1.39520-01	3.70000+04	1.41230-01	3.80000+04	1.42940-011006	3251	266
3.90000+04	1.44660-01	4.00000+04	1.46370-01	4.10000+04	1.48080-011006	3251	267
4.20000+04	1.49790-01	4.30000+04	1.51510-01	4.40000+04	1.53220-011006	3251	268
4.50000+04	1.54930-01	4.60000+04	1.56640-01	4.70000+04	1.58360-011006	3251	269
4.80000+04	1.60070-01	4.90000+04	1.61780-01	5.00000+04	1.63490-011006	3251	270
5.10000+04	1.65210-01	5.20000+04	1.66920-01	5.30000+04	1.68630-011006	3251	271
5.40000+04	1.70350-01	5.50000+04	1.72060-01	5.60000+04	1.73770-011006	3251	272
5.70000+04	1.75480-01	5.80000+04	1.77200-01	5.90000+04	1.78910-011006	3251	273
6.00000+04	1.80620-01	6.10000+04	1.82330-01	6.20000+04	1.84050-011006	3251	274
6.30000+04	1.85760-01	6.40000+04	1.87470-01	6.50000+04	1.89180-011006	3251	275
6.60000+04	1.90900-01	6.70000+04	1.92610-01	6.80000+04	1.94320-011006	3251	276
6.90000+04	1.96030-01	7.00000+04	1.97750-01	7.10000+04	1.99460-011006	3251	277
7.20000+04	2.01170-01	7.30000+04	2.02880-01	7.40000+04	2.04600-011006	3251	278
7.50000+04	2.06310-01	7.60000+04	2.08020-01	7.70000+04	2.09730-011006	3251	279
7.80000+04	2.11450-01	7.90000+04	2.13160-01	8.00000+04	2.14870-011006	3251	280
8.10000+04	2.16580-01	8.20000+04	2.18300-01	8.30000+04	2.20010-011006	3251	281
8.40000+04	2.21720-01	8.50000+04	2.23430-01	8.60000+04	2.25150-011006	3251	282
8.70000+04	2.26860-01	8.80000+04	2.28570-01	8.90000+04	2.30280-011006	3251	283
9.00000+04	2.32000-01	9.10000+04	2.33710-01	9.20000+04	2.35420-011006	3251	284
9.30000+04	2.37130-01	9.40000+04	2.38850-01	9.50000+04	2.40560-011006	3251	285
9.60000+04	2.42270-01	9.70000+04	2.43980-01	9.80000+04	2.45700-011006	3251	286
9.90000+04	2.47410-01	1.00000+05	2.49120-01	1.10000+05	2.66250-011006	3251	287
1.20000+05	2.83370-01	1.30000+05	3.00500-01	1.40000+05	3.17620-011006	3251	288
1.50000+05	3.34750-01	1.60000+05	3.51870-01	1.70000+05	3.69000-011006	3251	289
1.80000+05	3.86120-01	1.90000+05	4.03250-01	2.00000+05	4.20380-011006	3251	290
2.10000+05	4.22520-01	2.20000+05	4.09670-01	2.30000+05	3.89860-011006	3251	291
2.40000+05	3.07360-01	2.50000+05	2.24850-01	2.60000+05	1.04000-011006	3251	292
2.70000+05	4.03800-02	2.80000+05	7.04280-03	2.90000+05	3.98570-031006	3251	293
3.00000+05	9.28540-04	3.10000+05	2.12860-03	3.20000+05	5.18580-031006	3251	294
3.30000+05-8.24290-03	3.40000+05-1.13000-02	3.50000+05-1.13000-02	3.50000+05-1.43570-021006	3251	295		
3.60000+05-1.74140-02	3.70000+05-2.04710-02	3.80000+05-2.35290-021006	3251	296			
3.90000+05-2.65860-02	4.00000+05-2.96430-02	4.10000+05-3.27000-021006	3251	297			
4.20000+05-3.57570-02	4.30000+05-3.88140-02	4.40000+05-4.18720-021006	3251	298			
4.50000+05-4.49290-02	4.60000+05-4.79860-02	4.70000+05-5.10430-021006	3251	299			
4.80000+05-5.41000-02	4.90000+05-5.71570-02	5.00000+05-5.6.02140-021006	3251	300			
5.10000+05-6.32720-02	5.20000+05-6.63290-02	5.30000+05-6.93960-021006	3251	301			
5.40000+05-7.24430-02	5.50000+05-7.55000-02	5.60000+05-7.85570-021006	3251	302			
5.70000+05-8.16150-02	5.80000+05-8.46720-02	5.90000+05-8.77290-021006	3251	303			
6.00000+05-9.07860-02	6.10000+05-8.89340-02	6.20000+05-8.70820-021006	3251	304			
6.30000+05-8.52290-02	6.40000+05-8.33770-02	6.50000+05-8.15250-021006	3251	305			
6.60000+05-7.96730-02	6.70000+05-7.78210-02	6.80000+05-7.59680-021006	3251	306			
6.90000+05-7.41160-02	7.00000+05-7.22640-02	7.10000+05-7.04120-021006	3251	307			
7.20000+05-6.85600-02	7.30000+05-6.67070-02	7.40000+05-6.48550-021006	3251	308			
7.50000+05-6.30030-02	7.60000+05-6.11510-02	7.70000+05-5.92990-021006	3251	309			
7.80000+05-5.74460-02	7.90000+05-5.55940-02	8.00000+05-5.37420-021006	3251	310			
8.10000+05-5.18900-02	8.20000+05-5.00380-02	8.30000+05-4.81860-021006	3251	311			
8.40000+05-4.63330-02	8.50000+05-4.44810-02	8.60000+05-4.26290-021006	3251	312			
8.70000+05-4.07770-02	8.80000+05-3.89250-02	8.90000+05-3.70720-021006	3251	313			
9.00000+05-3.52200-02	9.10000+05-3.33680-02	9.20000+05-3.15160-021006	3251	314			
9.30000+05-2.96640-02	9.40000+05-2.78110-02	9.50000+05-2.59590-021006	3251	315			
9.60000+05-2.41070-02	9.70000+05-2.22550-02	9.80000+05-2.04030-021006	3251	316			
9.90000+05-1.85500-02	1.00000+06-1.66980-02	1.10000+06-1.82280-021006	3251	317			
1.20000+06	2.03460-02	1.30000+06-3.88680-02	1.40000+06-5.73900-021006	3251	318		
1.50000+06	7.59120-02	1.60000+06-8.34420-02	1.70000+06-9.09710-021006	3251	319		
1.80000+06	9.85010-02	1.90000+06-1.06030-01	2.00000+06-1.13560-011006	3251	320		
2.10000+06	1.21090-01	2.20000+06-1.28620-01	2.30000+06-1.36150-011006	3251	321		
2.40000+06	1.43680-01	2.50000+06-1.51210-01	2.60000+06-1.58740-011006	3251	322		
2.70000+06	1.66270-01	2.80000+06-1.73800-01	2.90000+06-1.81330-011006	3251	323		
3.00000+06	1.88860-01	3.10000+06-1.96390-01	3.20000+06-2.03920-011006	3251	324		
3.30000+06	2.11450-01	3.40000+06-2.11760-01	3.50000+06-2.04860-011006	3251	325		
3.60000+06	1.97950-01	3.70000+06-1.91040-01	3.80000+06-1.84140-011006	3251	326		
3.90000+06	1.77230-01	4.00000+06-1.70330-01	4.10000+06-1.87900-011006	3251	327		
4.20000+06	2.05480-01	4.30000+06-2.23060-01	4.40000+06-2.40630-011006	3251	328		
4.50000+06	2.58210-01	4.60000+06-2.75790-01	4.70000+06-2.93370-011006	3251	329		
4.80000+06	3.10940-01	4.90000+06-3.28520-01	5.00000+06-3.46100-011006	3251	330		
5.10000+06	3.63670-01	5.20000+06-3.79650-01	5.30000+06-3.94030-011006	3251	331		
5.40000+06	4.08410-01	5.50000+06-4.22790-01	5.60000+06-4.37170-011006	3251	332		
5.70000+06	4.51540-01	5.80000+06-4.65920-01	5.90000+06-4.80300-011006	3251	333		
6.00000+06	4.94680-01	6.10000+06-5.09060-01	6.20000+06-5.23440-011006	3251	334		

6.30000+06	5.37820-01	6.40000+06	5.49810-01	6.50000+06	5.58220-011006	3251	335
6.60000+06	5.66620-01	6.70000+06	5.75030-01	6.80000+06	5.83440-011006	3251	336
6.90000+06	5.01850-01	7.00000+06	6.00260-01	7.10000+06	6.08660-011006	3251	337
7.20000+06	6.17070-01	7.30000+06	6.25480-01	7.40000+06	6.33890-011006	3251	338
7.50000+06	6.42300-01	7.60000+06	6.46390-01	7.70000+06	6.47610-011006	3251	339
7.80000+06	6.48830-01	7.90000+06	6.50050-01	8.00000+06	6.51260-011006	3251	340
8.10000+06	6.52480-01	8.20000+06	6.53700-01	8.30000+06	6.54920-011006	3251	341
8.40000+06	6.56140-01	8.50000+06	6.57360-01	8.60000+06	6.58570-011006	3251	342
8.70000+06	6.59790-01	8.80000+06	6.61010-01	8.90000+06	6.62230-011006	3251	343
9.00000+06	6.63450-01	9.10000+06	6.64670-01	9.20000+06	6.65880-011006	3251	344
9.30000+06	6.67100-01	9.40000+06	6.68320-01	9.50000+06	6.69540-011006	3251	345
9.60000+06	6.70760-01	9.70000+06	6.71980-01	9.80000+06	6.73190-011006	3251	346
9.90000+06	6.74410-01	1.00000+07	6.75630-01		1006	3251	347
0.0	+00	0.0	+00	0	0	01006	3 0
3007.	6.9557		0	0	0	01006	3252
0.0	0.0		0	0	2	2721006	3252
2	1	272	3		1006	3252	351
1.00000-03	2.59640-01	1.00000+04	2.59640-01	1.10000+04	2.59150-011006	3252	352
1.20000+04	2.58660-01	1.30000+04	2.58160-01	1.40000+04	2.57670-011006	3252	353
1.50000+04	2.57180-01	1.60000+04	2.56690-01	1.70000+04	2.56200-011006	3252	354
1.80000+04	2.55700-01	1.90000+04	2.55210-01	2.00000+04	2.54720-011006	3252	355
2.10000+04	2.54220-01	2.20000+04	2.53740-01	2.30000+04	2.53240-011006	3252	356
2.40000+04	2.52750-01	2.50000+04	2.52260-01	2.60000+04	2.51770-011006	3252	357
2.70000+04	2.51280-01	2.80000+04	2.50780-01	2.90000+04	2.50290-011006	3252	358
3.00000+04	2.49800-01	3.10000+04	2.49310-01	3.20000+04	2.48820-011006	3252	359
3.30000+04	2.48320-01	3.40000+04	2.47830-01	3.50000+04	2.47340-011006	3252	360
3.60000+04	2.46850-01	3.70000+04	2.46360-01	3.80000+04	2.45860-011006	3252	361
3.90000+04	2.45370-01	4.00000+04	2.44880-01	4.10000+04	2.44390-011006	3252	362
4.20000+04	2.43900-01	4.30000+04	2.43400-01	4.40000+04	2.42910-011006	3252	363
4.50000+04	2.42420-01	4.60000+04	2.41930-01	4.70000+04	2.41440-011006	3252	364
4.80000+04	2.40950-01	4.90000+04	2.40450-01	5.00000+04	2.39960-011006	3252	365
5.10000+04	2.39470-01	5.20000+04	2.38980-01	5.30000+04	2.38490-011006	3252	366
5.40000+04	2.37990-01	5.50000+04	2.37500-01	5.60000+04	2.37010-011006	3252	367
5.70000+04	2.36520-01	5.80000+04	2.36030-01	5.90000+04	2.35530-011006	3252	368
6.00000+04	2.35040-01	6.10000+04	2.34550-01	6.20000+04	2.34060-011006	3252	369
6.30000+04	2.33570-01	6.40000+04	2.33070-01	6.50000+04	2.32580-011006	3252	370
6.60000+04	2.32090-01	6.70000+04	2.31600-01	6.80000+04	2.31110-011006	3252	371
6.90000+04	2.30610-01	7.00000+04	2.30120-01	7.10000+04	2.29630-011006	3252	372
7.20000+04	2.29140-01	7.30000+04	2.28650-01	7.40000+04	2.28150-011006	3252	373
7.50000+04	2.27660-01	7.60000+04	2.27170-01	7.70000+04	2.26680-011006	3252	374
7.80000+04	2.26190-01	7.90000+04	2.25690-01	8.00000+04	2.25200-011006	3252	375
8.10000+04	2.24710-01	8.20000+04	2.24220-01	8.30000+04	2.23730-011006	3252	376
8.40000+04	2.23230-01	8.50000+04	2.22740-01	8.60000+04	2.22250-011006	3252	377
8.70000+04	2.21760-01	8.80000+04	2.21270-01	8.90000+04	2.20780-011006	3252	378
9.00000+04	2.20280-01	9.10000+04	2.19790-01	9.20000+04	2.19300-011006	3252	379
9.30000+04	2.18810-01	9.40000+04	2.18320-01	9.50000+04	2.17820-011006	3252	380
9.60000+04	2.17330-01	9.70000+04	2.16840-01	9.80000+04	2.16350-011006	3252	381
9.90000+04	2.15860-01	1.00000+05	2.15360-01	1.10000+05	2.10440-011006	3252	382
1.20000+05	2.05520-01	1.30000+05	2.00610-01	1.40000+05	1.95690-011006	3252	383
1.50000+05	1.90770-01	1.60000+05	1.85850-01	1.70000+05	1.80930-011006	3252	384
1.80000+05	1.76010-01	1.90000+05	1.71090-01	2.00000+05	1.66170-011006	3252	385
2.10000+05	1.65550-01	2.20000+05	1.69240-01	2.30000+05	1.74930-011006	3252	386
2.40000+05	1.98640-01	2.50000+05	2.22350-01	2.60000+05	2.57070-011006	3252	387
2.70000+05	2.75350-01	2.80000+05	2.84920-01	2.90000+05	2.85800-011006	3252	388
3.00000+05	2.86680-01	3.10000+05	2.87560-01	3.20000+05	2.88430-011006	3252	389
3.30000+05	2.89310-01	3.40000+05	2.90190-01	3.50000+05	2.91070-011006	3252	390
3.60000+05	2.91950-01	3.70000+05	2.92820-01	3.80000+05	2.93700-011006	3252	391
3.90000+05	2.94580-01	4.00000+05	2.95460-01	4.10000+05	2.96340-011006	3252	392
4.20000+05	2.97710-01	4.30000+05	2.98090-01	4.40000+05	2.98970-011006	3252	393
4.50000+05	2.99850-01	4.60000+05	3.00730-01	4.70000+05	3.01600-011006	3252	394
4.80000+05	3.02480-01	4.90000+05	3.03360-01	5.00000+05	3.04240-011006	3252	395
5.10000+05	3.05120-01	5.20000+05	3.05990-01	5.30000+05	3.06870-011006	3252	396
5.40000+05	3.07750-01	5.50000+05	3.08630-01	5.60000+05	3.09510-011006	3252	397
5.70000+05	3.10380-01	5.80000+05	3.11260-01	5.90000+05	3.12140-011006	3252	398
6.00000+05	3.13020-01	6.10000+05	3.12490-01	6.20000+05	3.11950-011006	3252	399
6.30000+05	3.11420-01	6.40000+05	3.10890-01	6.50000+05	3.10360-011006	3252	400
6.60000+05	3.09830-01	6.70000+05	3.09290-01	6.80000+05	3.08760-011006	3252	401
6.90000+05	3.08230-01	7.00000+05	3.07700-01	7.10000+05	3.07170-011006	3252	402
7.20000+05	3.06630-01	7.30000+05	3.06100-01	7.40000+05	3.05570-011006	3252	403
7.50000+05	3.05040-01	7.60000+05	3.04510-01	7.70000+05	3.03970-011006	3252	404
7.80000+05	3.03440-01	7.90000+05	3.02910-01	8.00000+05	3.02380-011006	3252	405

8.10000+05	3.01850-01	8.20000+05	3.01310-01	8.30000+05	3.00780-011006	3252	406
8.40000+05	3.00250-01	8.50000+05	2.99720-01	8.60000+05	2.99180-011006	3252	407
8.70000+05	2.98650-01	8.80000+05	2.98120-01	8.90000+05	2.97590-011006	3252	408
9.00000+05	2.97060-01	9.10000+05	2.96520-01	9.20000+05	2.95990-011006	3252	409
9.30000+05	2.95460-01	9.40000+05	2.94930-01	9.50000+05	2.94400-011006	3252	410
9.60000+05	2.93860-01	9.70000+05	2.93330-01	9.80000+05	2.92800-011006	3252	411
9.90000+05	2.92270-01	1.00000+06	2.91740-01	1.10000+06	2.86410-011006	3252	412
1.20000+06	2.81090-01	1.30000+06	2.75770-01	1.40000+06	2.70450-011006	3252	413
1.50000+06	2.65130-01	1.60000+06	2.62970-01	1.70000+06	2.60810-011006	3252	414
1.80000+06	2.58650-01	1.90000+06	2.56480-01	2.00000+06	2.54320-011006	3252	415
2.10000+06	2.52160-01	2.20000+06	2.50000-01	2.30000+06	2.47840-011006	3252	416
2.40000+06	2.45680-01	2.50000+06	2.43510-01	2.60000+06	2.41350-011006	3252	417
2.70000+06	2.39190-01	2.80000+06	2.37030-01	2.90000+06	2.34870-011006	3252	418
3.00000+06	2.32710-01	3.10000+06	2.30540-01	3.20000+06	2.28380-011006	3252	419
3.30000+06	2.26220-01	3.40000+06	2.26130-01	3.50000+06	2.28120-011006	3252	420
3.60000+06	2.30110-01	3.70000+06	2.32100-01	3.80000+06	2.34090-011006	3252	421
3.90000+06	2.36080-01	4.00000+06	2.38070-01	4.10000+06	2.33020-011006	3252	422
4.20000+06	2.27980-01	4.30000+06	2.22930-01	4.40000+06	2.17890-011006	3252	423
4.50000+06	2.12850-01	4.60000+06	2.07800-01	4.70000+06	2.02760-011006	3252	424
4.80000+06	1.97710-01	4.90000+06	1.92670-01	5.00000+06	1.87630-011006	3252	425
5.10000+06	1.82580-01	5.20000+06	1.78000-01	5.30000+06	1.73870-011006	3252	426
5.40000+06	1.69740-01	5.50000+06	1.65610-01	5.60000+06	1.61480-011006	3252	427
5.70000+06	1.57350-01	5.80000+06	1.53220-01	5.90000+06	1.49090-011006	3252	428
6.00000+06	1.44960-01	6.10000+06	1.40830-01	6.20000+06	1.36700-011006	3252	429
6.30000+06	1.32570-01	6.40000+06	1.29130-01	6.50000+06	1.26730-011006	3252	430
6.60000+06	1.24320-01	6.70000+06	1.21910-01	6.80000+06	1.19500-011006	3252	431
6.90000+06	1.17100-01	7.00000+06	1.14690-01	7.10000+06	1.12280-011006	3252	432
7.20000+06	1.09880-01	7.30000+06	1.07470-01	7.40000+06	1.05060-011006	3252	433
7.50000+06	1.02650-01	7.60000+06	1.01480-01	7.70000+06	1.01130-011006	3252	434
7.80000+06	1.00780-01	7.90000+06	1.00430-01	8.00000+06	1.00080-011006	3252	435
8.10000+06	9.97280-02	8.20000+06	9.93780-02	8.30000+06	9.90270-021006	3252	436
8.40000+06	9.86760-02	8.50000+06	9.83260-02	8.60000+06	9.79750-021006	3252	437
8.70000+06	9.76250-02	8.80000+06	9.72740-02	8.90000+06	9.69230-021006	3252	438
9.00000+06	9.65730-02	9.10000+06	9.62220-02	9.20000+06	9.58710-021006	3252	439
9.30000+06	9.55210-02	9.40000+06	9.51700-02	9.50000+06	9.48200-021006	3252	440
9.60000+06	9.44690-02	9.70000+06	9.41180-02	9.80000+06	9.37680-021006	3252	441
9.90000+06	9.34170-02	1.00000+07	9.30660-02		1006	3252	442
0.0	+00	0.0	+00	0	0	01006	3 0 442
						1006	0 0 444
2.00000+03	6.95570+00		1	1	0	01006	4 2 445
0.0	6.95570+00		0	2	100	91006	4 2 446
1.00000+00	9.58474-02	4.14630-03-8.02229-09	0.	0.	0.	1006	4 2 447
0.	0.	0.	0.	0.	9.87598-011006	4 2 448	
1.71503-01	1.41737-02	5.69248-04	1.21072-05-4.43385-07	0.	1006	4 2 449	
0.	0.	0.	-9.41493-02	9.67702-01	2.42502-011006	4 2 450	
2.93180-02	2.05714-03	8.97163-05	1.33580-06	1.62270-07-1.47597-081006	4 2 451		
0.	1.21647-02-1.67009-01	9.37453-01	3.09459-01	4.92327-021006	4 2 452		
4.80812-03	3.13253-04	1.24678-05	4.88023-07	0.	-1.66465-031006	4 2 453	
2.74470-02-2.33657-01	8.97765-01	3.71868-01	7.35238-02	9.13622-031006	4 2 454		
7.84899-04	4.66161-05	0.	2.32608-04-4.38518-03	4.68330-021006	4 2 455		
-2.94976-01	8.49297-01	4.28973-01	1.01722-01	1.53174-02	1.62662-031006	4 2 456	
0.	-3.28284-05	6.87851-04-8.58585-03	7.00379-02-3.50564-011006	4	2 457		
7.92807-01	4.79996-01	1.33282-01	2.35820-02	0.	4.65873-061006	4 2 458	
-1.06509-04	1.49724-03-1.45251-02	9.65769-02-3.99804-01	7.29170-011006	4	2 459		
5.24218-01	1.67585-01	0.	-6.63361-07	1.63342-05-2.52752-041006	4 2 460		
2.79205-03-2.23993-02	1.25867-01-4.42084-01	6.59362-01	5.61014-011006	4	2 461		
0.	9.46657-08-2.47707-06	4.17080-05-5.10941-04	4.71157-031006	4	2 462		
-3.23470-02	1.57259-01-4.76869-01	5.84449-01		1006	4 2 463		
0.	0.	0	0	1	141006	4 2 464	
	14	3			1006	4 2 465	
0.	10.00000+03	0	0	9	01006	4 2 466	
0.0	0.0	0.0	0.0	0.0	1006	4 2 467	
0.0	0.0	0.0	0.0		1006	4 2 468	
0.	2.05000+05	0	0	9	01006	4 2 469	
3.45565-01	8.10150-02	1.23154-02	1.58350-03	1.06782-04-1.41664-041006	4 2 470		
-7.34709-04	-9.45421-04-6.64936-05				1006	4 2 471	
0.	2.29000+05	0	0	-9	01006	4 2 472	
3.11224-01	4.71841-02	7.58270-03-4.11077-05-1.32173-03-2.53623-041006	4	2 473			
4.01348-04-3.68343-04-2.66738-04				1006	4 2 474		
0.	2.55000+05	0	0	9	01006	4 2 475	
9.82434-02	9.26970-02	1.61113-02	9.28764-04-1.32008-03-9.73470-041006	4	2 476		

1.35066-04	3.86419-04	1.87506-04			1006	4	2	477	
0.	2.59000+05	0	0	9	01006	4	2	478	
2.56913-02	1.06970-01-2.92985-03-1.46446-03	3.25540-03-1.73522-03	1.006	4	2	479			
-1.33218-02	4.89519-04	9.92804-05			1006	4	2	480	
0.	2.75000+05	0	0	0	01006	4	2	481	
-7.82594-02	9.51991-02-1.88036-02	2.43179-03-5.01273-04-1.78364-04	1.006	4	2	482			
5.89492-04-8.97164-04	3.52224-04			1006	4	2	483		
0.	6.00000+05	0	0	9	01006	4	2	484	
-1.83242-01	4.96529-02-1.12467-02	2.23120-03-1.89945-04-3.92140-06	1.006	4	2	485			
6.88925-04-1.36882-02	1.59715-04			1006	4	2	486		
0.	1.50000+06	0	0	0	01006	4	2	487	
-1.36284-02	5.90467-02-7.72684-03	2.80710-03-1.32752-03	7.17998-05	1.006	4	2	488		
5.01422-04-6.37500-04-1.91706-04				1006	4	2	489		
0.	3.35000+06	0	0	9	01006	4	2	490	
1.36573-01	1.58300-01	3.69642-03-3.69671-04	3.95939-03	1.26524-03	1.006	4	2	491	
-1.27796-02-0.00555-05	9.74845-04			1006	4	2	492		
0.	4.00000+06	0	0	0	01006	4	2	493	
9.63609-02	2.15696-01	2.52511-02	1.45175-02-3.56130-03	1.20051-02	1.006	4	2	494	
1.10700-02-4.71843-04-1.24525-03				1006	4	2	495		
0.	5.15000+06	0	0	9	01006	4	2	496	
3.03358-01	2.55965-01	1.29321-01	3.59112-02	3.44803-03-2.88717-02	1.006	4	2	497	
-5.97230-04	2.39404-02	1.25267-03			1006	4	2	498	
0.	6.36000+06	0	0	9	01006	4	2	499	
4.84595-01	2.14866-01	1.65075-01	4.14309-02	6.22846-03	3.68585-03	1.006	4	2	500
-5.87016-04-1.67440-02	2.15672-04			1006	4	2	501		
0.	7.54000+06	0	0	0	01006	4	2	502	
5.01305-01	3.91602-01	2.33958-01	7.92606-02	2.72894-02	9.48372-03	1.006	4	2	503
-3.30120-04	6.00637-04	4.34878-04			1006	4	2	504	
0.	1.40000+07	0	0	0	01006	4	2	505	
6.74074-01	4.22742-01	2.27701-01	7.21498-02	8.79588-03-2.03312-03	1.006	4	2	506	
-4.93251-02-2.81184-04	3.46586-03			1006	4	2	507		
0.	0.	0	0	0	01006	4	0	508	
3007.	6.9557	0	2	0	01006	4	4	509	
0.0	0.0	0	1	0	01006	4	4	510	
0.0	0.0	0	0	1	21006	4	4	511	
2	2				1006	4	4	512	
0.0	5.5 F+05	0	0	1	21006	4	4	513	
2	2				1006	4	4	514	
-1.0	0.5	1.0	0.5		1006	4	4	515	
0.0	1.5 F+07	0	0	1	21006	4	4	516	
2	2				1006	4	4	517	
-1.0	0.5	1.0	0.5		1006	4	4	518	
					1006	4	0	519	
3007.	6.9557	0	2	0	01006	4	16	520	
0.0	0.0	0	1	0	01006	4	16	521	
0.0	0.0	0	0	1	21006	4	16	522	
2	2				1006	4	16	523	
0.0	8.3 F+06	0	0	1	21006	4	16	524	
2	2				1006	4	16	525	
-1.0	0.5	1.0	0.5		1006	4	16	526	
0.0	1.5 F+07	0	0	1	21006	4	16	527	
2	2				1006	4	16	528	
-1.0	0.5	1.0	0.5		1006	4	16	529	
					1006	4	0	530	
3007.	6.9557	0	2	0	01006	4	22	531	
0.0	0.0	0	1	0	01006	4	22	532	
0.0	0.0	0	0	1	21006	4	22	533	
12	2				1006	4	22	534	
0.0	2.821 F+06	0	0	1	21006	4	22	535	
2	2				1006	4	22	536	
-1.0	0.5	1.0	0.5		1006	4	22	537	
0.	5.1000F+06	0	0	1	111006	4	22	538	
11	2				1006	4	22	539	
-1.0000F+00	2.4020F-01-8.0000F-01	2.4920F-01-6.0000E-01	2.7020E-01	1.006	4	22	540		
-4.0000F-01	3.2270F-01-2.0000F-01	3.9030F-01	0.	4.6830E-01	1.006	4	22	541	
2.0000F-01	5.5540E-01	4.0000E-01	6.5300E-01	6.0000E-01	7.5050E-01	1.006	4	22	542
8.0000F-01	8.0760F-01	1.0000E+00	8.2560F-01		1006	4	22	543	
0.	5.4000F+06	0	0	1	111006	4	22	544	
11	2				1006	4	22	545	
-1.0000F+00	1.9650E-01-8.0000E-01	2.2170E-01-6.0000E-01	2.5260E-01	1.006	4	22	546		
-4.0000F-01	2.9570F-01-2.0000F-01	3.6490F-01	0.	4.5660E-01	1.006	4	22	547	
2.0000F-01	5.6140F-01	4.0000F-01	6.7370F-01	6.0000F-01	7.8220E-01	1.006	4	22	548

8.0000E-01	8.5140F-01	1.0000E+00	8.8320F-01		1006	4	22	549	
0.	5.8000F+06	0	0	1	111006	4	22	550	
11	?				1006	4	22	551	
-1.0000E+00	2.4360E-01-8.0000E-01	2.5230E-01-6.0000E-01	2.6970E-011006	4 22	552				
-4.0000E-01	3.0540F-01-2.0000E-01	3.5670F-01 0.	4.2720E-011006	4 22	553				
2.0000E-01	5.2200E-01 4.0000E-01	6.4900E-01 6.0000E-01	7.7950E-011006	4 22	554				
8.0000F-01	8.6310F-01 1.0000E+00	9.0660F-01		1006	4	22	555		
0.	6.5000F+06	0	0	1	111006	4	22	556	
11	?				1006	4	22	557	
-1.0000E+00	1.4590E-01-8.0000E-01	1.8530E-01-6.0000E-01	2.3170E-011006	4 22	558				
-4.0000F-01	3.0200E-01-2.0000E-01	3.9470E-01 0.	5.0450E-011006	4 22	559				
2.0000F-01	6.1610F-01 4.0000E-01	7.1220F-01 6.0000F-01	7.7230F-011006	4 22	560				
8.0000F-01	8.0140F-01 1.0000F+00	8.1350F-01		1006	4	22	561		
0.	7.0000F+06	0	0	1	111006	4	22	562	
11	?				1006	4	22	563	
-1.0000F+00	1.8250E-01-8.0000F-01	2.1160E-01-6.0000E-01	2.4810E-011006	4 22	564				
-4.0000F-01	3.1090E-01-2.0000E-01	4.0140E-01 0.	4.8610E-011006	4 22	565				
2.0000E-01	5.7660F-01 4.0000F-01	6.7290F-01 6.0000E-01	7.6630E-011006	4 22	566				
8.0000F-01	8.1740E-01 1.0000E+00	8.3490E-01		1006	4	22	567		
0.	7.5000E+06	0	0	1	111006	4	22	568	
11	?				1006	4	22	569	
-1.0000E+00	2.5860E-01-8.0000E-01	2.6130E-01-6.0000E-01	2.7220E-011006	4 22	570				
-4.0000F-01	2.9940E-01-2.0000E-01	3.6740E-01 0.	4.6000E-011006	4 22	571				
2.0000F-01	5.5930F-01 4.0000E-01	6.6550E-01 6.0000E-01	7.6210E-011006	4 22	572				
8.0000F-01	8.0840F-01 1.0000E+00	8.3020F-01		1006	4	22	573		
0.	8.0000F+06	0	0	1	111006	4	22	574	
11	?				1006	4	22	575	
-1.0000F+00	2.3110F-01-8.0000E-01	2.4610E-01-6.0000E-01	2.6860E-011006	4 22	576				
-4.0000F-01	3.1540E-01-2.0000E-01	3.8100F-01 0.	4.6720E-011006	4 22	577				
2.0000E-01	5.7960E-01 4.0000E-01	6.8460E-01 6.0000E-01	7.4950E-011006	4 22	578				
8.0000F-01	7.8890F-01 1.0000E+00	8.0700F-01		1006	4	22	579		
0.	9.3000F+06	0	0	1	111006	4	22	580	
11	?				1006	4	22	581	
-1.0000E+00	2.1290E-01-8.0000E-01	2.1870E-01-6.0000E-01	2.3020E-011006	4 22	582				
-4.0000F-01	2.6700F-01-2.0000F-01	3.4530F-01 0.	4.4660E-011006	4 22	583				
2.0000F-01	5.6400F-01 4.0000E-01	6.9750E-01 6.0000E-01	8.0570E-011006	4 22	584				
8.0000F-01	8.6560F-01 1.0000E+00	9.0690F-01		1006	4	22	585		
0.	1.0600F+07	0	0	1	111006	4	22	586	
11	?				1006	4	22	587	
-1.0000F+00	2.3330E-01-8.0000E-01	2.4940E-01-6.0000E-01	2.8160E-011006	4 22	588				
-4.0000E-01	3.3470E-01-2.0000E-01	4.0230E-01 0.	4.8270E-011006	4 22	589				
2.0000F-01	5.7200E-01 4.0000E-01	6.5330E-01 6.0000E-01	7.2490E-011006	4 22	590				
8.0000F-01	7.7880E-01 1.0000E+00	8.0770F-01		1006	4	22	591		
0.	1.2000E+07	0	0	1	111006	4	22	592	
11	?				1006	4	22	593	
-1.0000E+00	2.1520E-01-8.0000E-01	2.3090E-01-6.0000E-01	2.5650E-011006	4 22	594				
-4.0000F-01	2.9540F-01-2.0000E-01	3.4840F-01 0.	4.4030F-011006	4 22	595				
2.0000E-01	5.6270E-01 4.0000E-01	6.9270E-01 6.0000E-01	7.9440E-011006	4 22	596				
8.0000F-01	8.4080F-01 1.0000F+00	8.6060F-01		1006	4	22	597		
0.	1.5000F+07	0	0	1	111006	4	22	598	
11	?				1006	4	22	599	
-1.0000E+00	4.5360E-01-8.0000E-01	4.9180E-01-6.0000E-01	5.0760E-011006	4 22	600				
-4.0000F-01	5.0540F-01-2.0000E-01	4.8190E-01 0.	4.5610E-011006	4 22	601				
2.0000E-01	4.2360E-01 4.0000E-01	4.1610E-01 6.0000E-01	4.4880E-011006	4 22	602				
8.0000F-01	5.4090F-01 1.0000E+00	1.0026F+00		1006	4	22	603		
					1006	4	0	604	
3007.	6.9557	0	2	0	01006	4	24	605	
0.0	0.0	0	1	0	01006	4	24	606	
0.0	0.0	0	0	1	11006	4	24	607	
?	?				1006	4	24	608	
0.0	1.0 F+06	0	0	1	21006	4	24	609	
?	?				1006	4	24	610	
-1.0	0.5	1.0	0.5		1006	4	24	611	
					1006	4	0	612	
					1006	0	0	613	
3007.	6.9557	0	0	1	01006	5	16	614	
0.0	7.9748F+06	0	3	1	21006	5	16	615	
?	?				1006	5	16	616	
8.3	E+06	1.0	1.5	E+07	1.0	1006	5	16	617
					1006	5	0	618	
3007.	6.9557	0	0	3	01006	5	22	619	
0.0	2.466 F+06	0	3	1	21006	5	22	620	

0.	6.5606F-08	4.0000E+05	2.7457E-07	8.0000E+05	4.0092E-071006	5 22	692
1.2000E+06	4.8840E-07	1.3000E+06	4.9326E-07	1.4000E+06	4.9083E-071006	5 22	693
1.6000F+06	4.7139F-07	1.8000F+06	4.2765F-07	3.0000E+06	7.7755E-081006	5 22	694
3.2000F+06	4.8597F-08	3.4000F+06	2.9158F-08	3.6000F+06	1.9439E-081006	5 22	695
3.8000F+06	1.4579F-08	4.0000E+06	1.2149F-08		1006	5 22	696
0.0	7.25 F+06	0	0	1	141006	5 22	697
14	2				1006	5 22	698
0.	6.5606E-08	4.0000E+05	2.7457E-07	8.0000E+05	4.0092E-071006	5 22	699
1.2000E+06	4.8840E-07	1.3000E+06	4.9326E-07	1.4000E+06	4.9083E-071006	5 22	700
1.6000F+06	4.7139F-07	1.8000E+06	4.2765E-07	3.0000E+06	7.7755E-081006	5 22	701
3.2000F+06	4.8597F-08	3.4000E+06	2.9158E-08	3.6000E+06	1.9439E-081006	5 22	702
3.8000F+06	1.4579F-08	4.0000E+06	1.2149F-08		1006	5 22	703
0.0	7.25 F+06	0	0	1	141006	5 22	704
14	2				1006	5 22	705
0.	2.5110F-07	2.0000E+05	2.6200F-07	1.0000E+06	3.2540E-071006	5 22	706
1.4000E+06	3.5050E-07	1.8000E+06	3.6580E-07	1.9000E+06	3.6690E-071006	5 22	707
2.0000F+06	3.6470F-07	2.4000F+06	3.1990F-07	2.8000E+06	2.4890E-071006	5 22	708
3.2000E+06	1.4190E-07	3.4000E+06	6.4400E-08	3.5000E+06	3.4900E-081006	5 22	709
3.6000F+06	2.1800F-08	4.0000F+06	4.4000F-09		1006	5 22	710
0.0	7.75 F+06	0	0	1	141006	5 22	711
14	2				1006	5 22	712
0.	2.5110F-07	2.0000E+05	2.6200E-07	1.0000E+06	3.2540E-071006	5 22	713
1.4000E+06	3.5050E-07	1.8000E+06	3.6580E-07	1.9000E+06	3.6690E-071006	5 22	714
2.0000E+06	3.6470E-07	2.4000E+06	3.1990E-07	2.8000E+06	2.4890E-071006	5 22	715
3.2000F+06	1.4190E-07	3.4000E+06	6.4400F-08	3.5000E+06	3.4900E-081006	5 22	716
3.6000F+06	2.1800F-08	4.0000E+06	4.4000F-09		1006	5 22	717
0.0	7.75 F+06	0	0	1	141006	5 22	718
14	2				1006	5 22	719
0.	1.6710F-07	5.0000E+05	1.7490F-07	1.0000E+06	1.9660E-071006	5 22	720
1.5000E+06	2.2800E-07	2.0000E+06	2.6140E-07	2.5000E+06	2.8300E-071006	5 22	721
2.7500E+06	2.8500E-07	3.0000E+06	2.8110E-07	3.2500E+06	2.6830E-071006	5 22	722
3.5000F+06	2.4370E-07	4.0000E+06	1.6900E-07	4.2500E+06	1.5630E-071006	5 22	723
4.5000F+06	1.5320E-07				1006	5 22	724
0.0	8.65 F+06	0	0	1	141006	5 22	725
14	2				1006	5 22	726
0.	1.6710F-07	5.0000E+05	1.7490F-07	1.0000E+06	1.9660E-071006	5 22	727
1.5000F+06	2.2800E-07	2.0000F+06	2.6140F-07	2.5000F+06	2.8300E-071006	5 22	728
2.7500F+06	2.8500F-07	3.0000E+06	2.8110F-07	3.2500F+06	2.6830F-071006	5 22	729
3.5000F+06	2.4370F-07	4.0000E+06	1.6900F-07	4.2500F+06	1.5630E-071006	5 22	730
4.5000F+06	1.5320F-07				1006	5 22	731
0.0	8.65 F+06	0	0	1	141006	5 22	732
14	2				1006	5 22	733
0.	7.0700E-08	5.0000E+05	7.8600F-08	1.0000E+06	9.6200E-081006	5 22	734
1.5000E+06	1.2960E-07	2.5000E+06	2.6510E-07	3.0000E+C6	2.9850E-071006	5 22	735
3.2500E+06	3.0440E-07	3.5000E+06	3.0440E-07	3.7500E+06	2.9950E-071006	5 22	736
4.0000E+06	2.8570E-07	4.5000E+06	1.8660E-07	4.7500E+06	1.1590E-071006	5 22	737
5.0000E+06	7.6600E-08	5.5000E+06	3.5400E-08	6.0000E+06	2.9500E-081006	5 22	738
0.0	9.95 F+06	0	0	1	141006	5 22	739
14	2				1006	5 22	740
0.	7.0700E-08	5.0000E+05	7.8600E-08	1.0000E+06	9.6200E-081006	5 22	741
1.5000F+06	1.2960F-07	2.5000E+06	2.6510F-07	3.0000E+06	2.9850F-071006	5 22	742
3.2500F+06	3.0440F-07	3.5000E+06	3.0440F-07	3.7500E+06	2.9950E-071006	5 22	743
4.0000E+06	2.8570E-07	4.5000E+06	1.8660E-07	4.7500E+06	1.1590E-071006	5 22	744
5.0000E+06	7.6600F-08	5.5000E+06	3.5400E-08	6.0000E+06	2.9500E-081006	5 22	745
0.0	9.95 F+06	0	0	1	141006	5 22	746
14	2				1006	5 22	747
0.	8.6551F-08	5.0000E+05	9.3209E-08	1.0000E+06	1.1318E-071006	5 22	748
2.5000E+06	2.0240E-07	3.0000E+06	2.1838E-07	3.2500E+06	2.1971E-071006	5 22	749
3.5000E+06	2.1838E-07	4.0000E+06	2.1039E-07	4.5000E+06	1.9707E-071006	5 22	750
5.0000F+06	1.7044E-07	6.0000E+06	6.6578E-08	6.5000E+06	2.6631F-081006	5 22	751
7.0000F+06	1.0652F-08				1006	5 22	752
0.0	1.13 F+07	0	0	1	141006	5 22	753
14	2				1006	5 22	754
0.	8.6551F-08	5.0000E+05	9.3209E-08	1.0000E+06	1.1318F-071006	5 22	755
2.5000F+06	2.0240F-07	3.0000E+06	2.1838F-07	3.2500F+06	2.1971F-071006	5 22	756
3.5000E+06	2.1838E-07	4.0000E+06	2.1039E-07	4.5000E+06	1.9707E-071006	5 22	757
5.0000F+06	1.7044E-07	6.0000E+06	6.6578E-08	6.5000E+06	2.6631E-081006	5 22	758
7.0000F+06	1.0652F-08				1006	5 22	759
0.0	1.13 F+07	0	0	1	141006	5 22	760
14	2				1006	5 22	761
0.	2.8900F-08	5.0000E+05	4.7400F-08	1.5000E+06	1.1180F-071006	5 22	762

2.5000F+06	1.4470E-07	3.5000E+06	1.5920E-07	4.0000E+06	1.6320E-07	1.006	5	22	763				
4.5000F+06	1.6320E-07	5.0000E+06	1.6180E-07	6.0000F+06	1.5260E-07	1.006	5	22	764				
6.5000F+06	1.4470E-07	7.0000E+06	1.2500E-07	7.5000E+06	7.6300E-08	1.006	5	22	765				
8.0000F+06	3.6800E-08					1.006	5	22	766				
0.0	1.3	F+07		0	0	1	131006	5	22	767			
	13		2				1006	5	22	768			
0.	2.8900E-08	5.0000E+05	4.7400E-08	1.5000E+06	1.1180E-07	1.006	5	22	769				
2.5000E+06	1.4470E-07	3.5000E+06	1.5920E-07	4.0000E+06	1.6320E-07	1.006	5	22	770				
4.5000E+06	1.6320E-07	5.0000E+06	1.6180E-07	6.0000E+06	1.5260E-07	1.006	5	22	771				
6.5000F+06	1.4470F-07	7.0000E+06	1.2500F-07	7.5000E+06	7.6300E-08	1.006	5	22	772				
8.0000F+06	3.6800F-08					1.006	5	22	773				
0.0	1.3	F+07		0	0	1	101006	5	22	774			
	10		2				1006	5	22	775			
0.	5.0700E-08	1.0000E+06	7.4300E-08	2.0000E+06	1.0140E-07	1.006	5	22	776				
3.0000E+06	1.1490E-07	3.5000E+06	1.1490E-07	8.0000E+06	1.1150E-07	1.006	5	22	777				
8.5000F+06	1.0810E-07	9.0000E+06	1.0140E-07	9.5000E+06	7.0900E-08	1.006	5	22	778				
1.0000F+07	2.7000F-08					1.006	5	22	779				
0.0	1.5	F+07		0	0	1	101006	5	22	780			
	10		2				1006	5	22	781			
0.	5.0700E-08	1.0000E+06	7.4300E-08	2.0000E+06	1.0140E-07	1.006	5	22	782				
3.0000F+06	1.1490E-07	3.5000E+06	1.1490E-07	8.0000E+06	1.1150E-07	1.006	5	22	783				
8.5000E+06	1.0810E-07	9.0000E+06	1.0140E-07	9.5000E+06	7.0900E-08	1.006	5	22	784				
1.0000F+07	2.7000F-08					1.006	5	22	785				
3007.	6.9557			0	0	1	01006	5	24	787			
0.0	9.5937F+06			0	3	1	21006	5	24	788			
	2		2				1006	5	24	789			
1.0	F+07	1.0		1.5	F+07	1.0				1006	5	24	790
							1006	5	0	791			
							1006	0	0	792			
							0	0	0	793			