

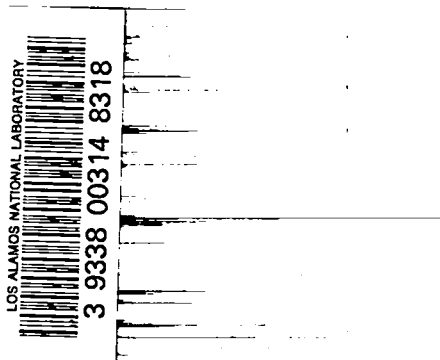
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^6Li and ^7Li Data in the ENDF/B Format



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Report written: March 1967

Report distributed: June 26, 1967

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by

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R. J. LaBauve





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

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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 μ_{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 ${}^6\text{Li}$ (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 ${}^6\text{Li}$, 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 ${}^6\text{Li}$ in files (MF) 3 and 4, for reaction type (MT) 4, do not include the $(n,n')\alpha$ 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

$$\sigma_p = \frac{\sum_i v_i \sigma_{Fi} \phi_i \sum_j \chi_j \phi_j^\dagger - \sum_i \sigma_{a_i} \phi_i \phi_i^\dagger + \sum_i \phi_i \sum_j \sigma_{i \rightarrow j} (\phi_j^\dagger - \phi_i^\dagger)}{\sum_i \phi_i \phi_i^\dagger}$$

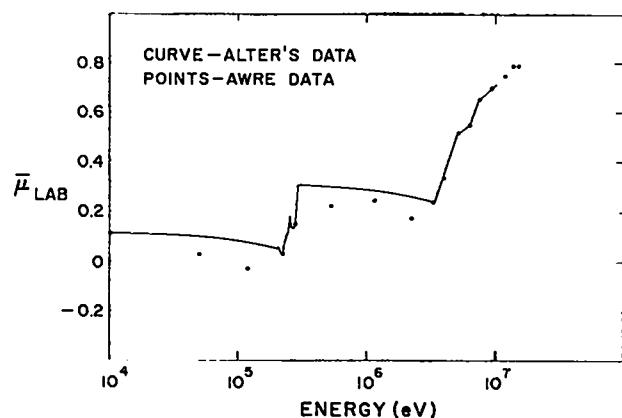


Fig. 1. Comparison of $\bar{\mu}_{LAB}$ for elastic scatter from Alter's data with that derived from AWRE data for ${}^6\text{Li}$.

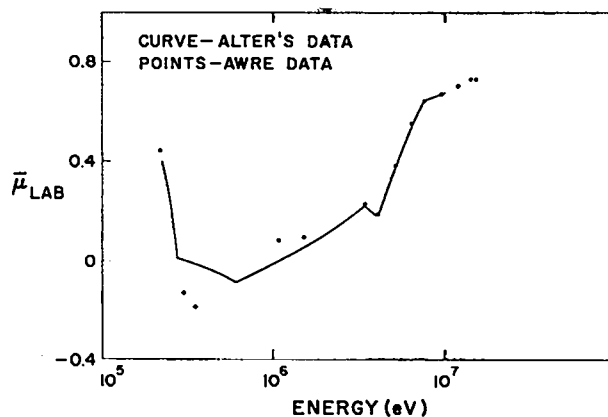
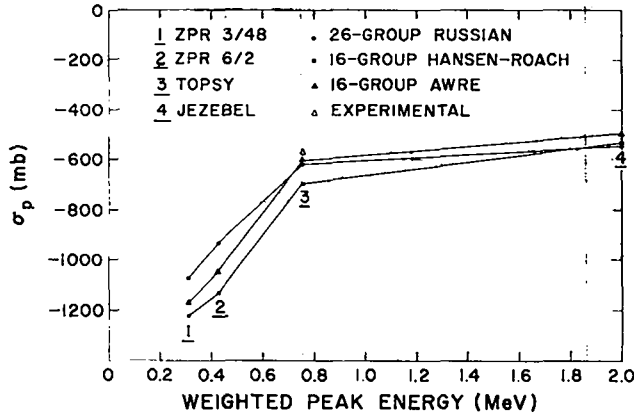


Fig. 2. Comparison of $\bar{\mu}_{LAB}$ for elastic scatter from Alter's data with that derived from AWRE data for ${}^7\text{Li}$.

TABLE I

Critical System	Calculated Median Fission Energy (MeV) for Core	σ_p for ${}^6\text{Li}$			
		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. ${}^6\text{Li}$ σ_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)

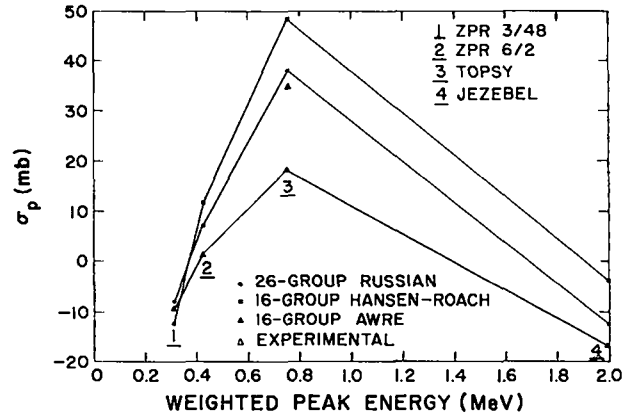
The results of these calculations are given in Table I and Fig. 3 for ${}^6\text{Li}$ and in Table II and Fig. 4 for ${}^7\text{Li}$. The measured data for ${}^6\text{Li}$ and ${}^7\text{Li}$ reactivity in Topsy are also given in these illustrations. The results for ${}^6\text{Li}$ show no great differences 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 ${}^7\text{Li}$ 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 ${}^7\text{Li}$ 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

Critical System	Calculated Median Fission Energy (MeV) for Core	σ_p for ${}^7\text{Li}$			
		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. ${}^7\text{Li}$ σ_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 ${}^6\text{Li}$ and ${}^7\text{Li}$ from the UKAEA Nuclear Data Library.

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APPENDIX A

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

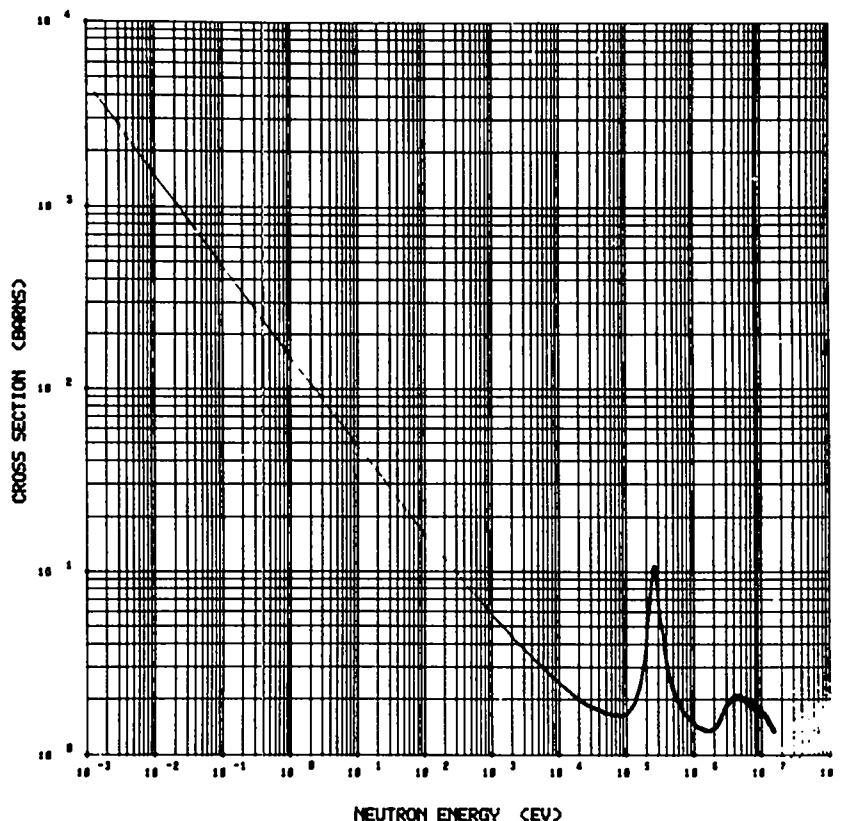


Fig. A.1. ${}^6\text{Li}$ (ENDF/B MAT = 1005) SIGMA-TOT (MT = 1).

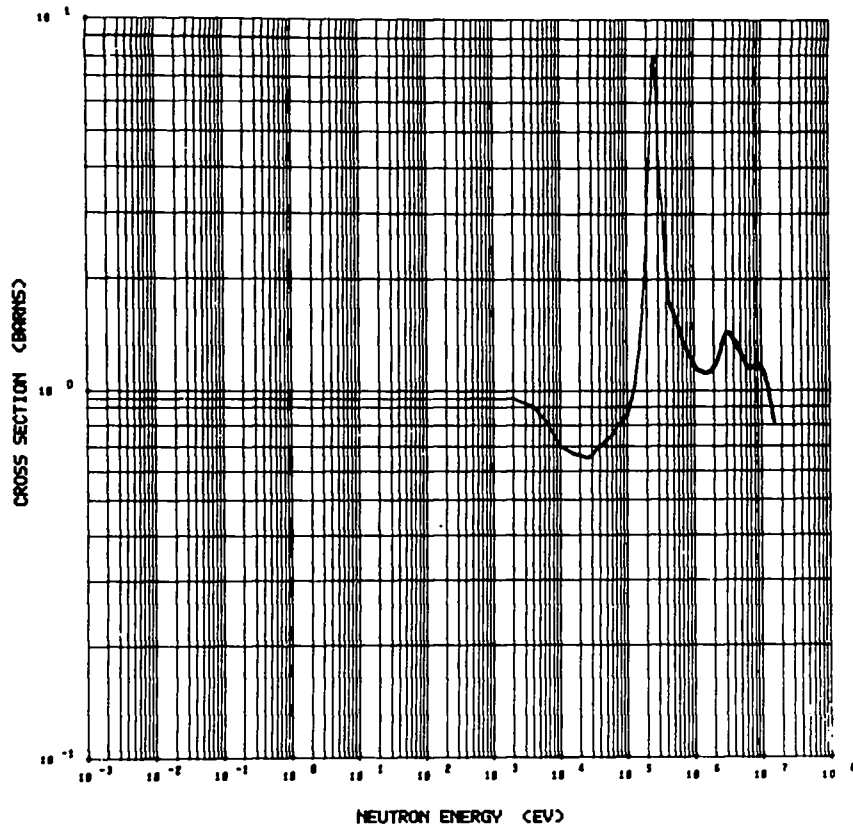


Fig. A.2. ${}^6\text{Li}$ (ENDF/B MAT = 1005) SIGMA(N,N) (MT = 2).

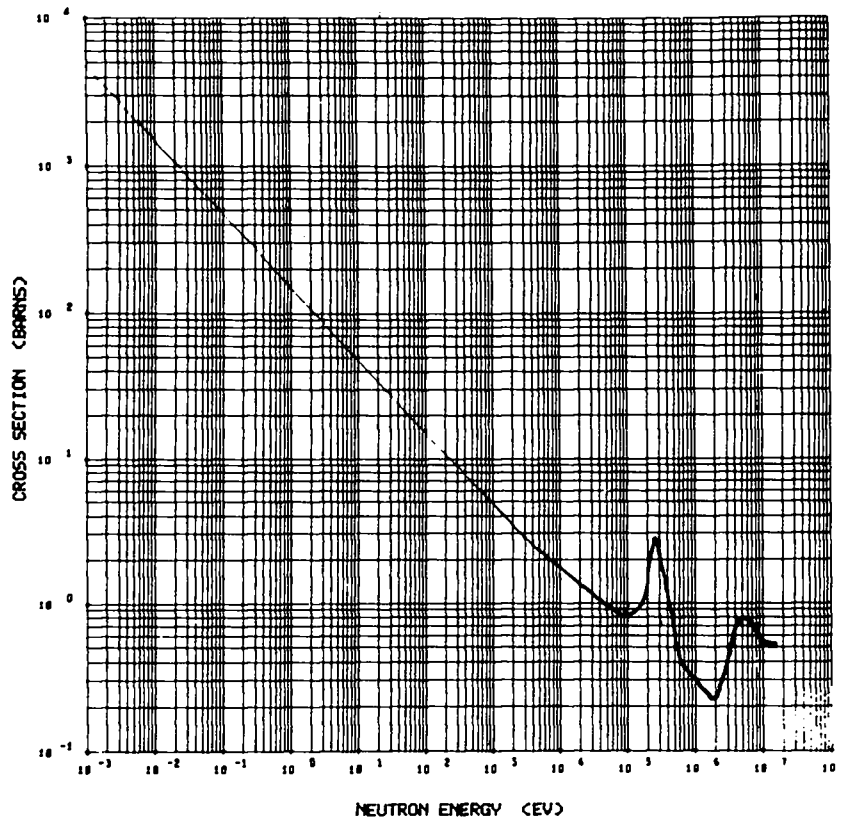


Fig. A.3. ${}^6\text{Li}$ (ENDF/B MAT = 1005) SIGMA-NE (MT = 3).

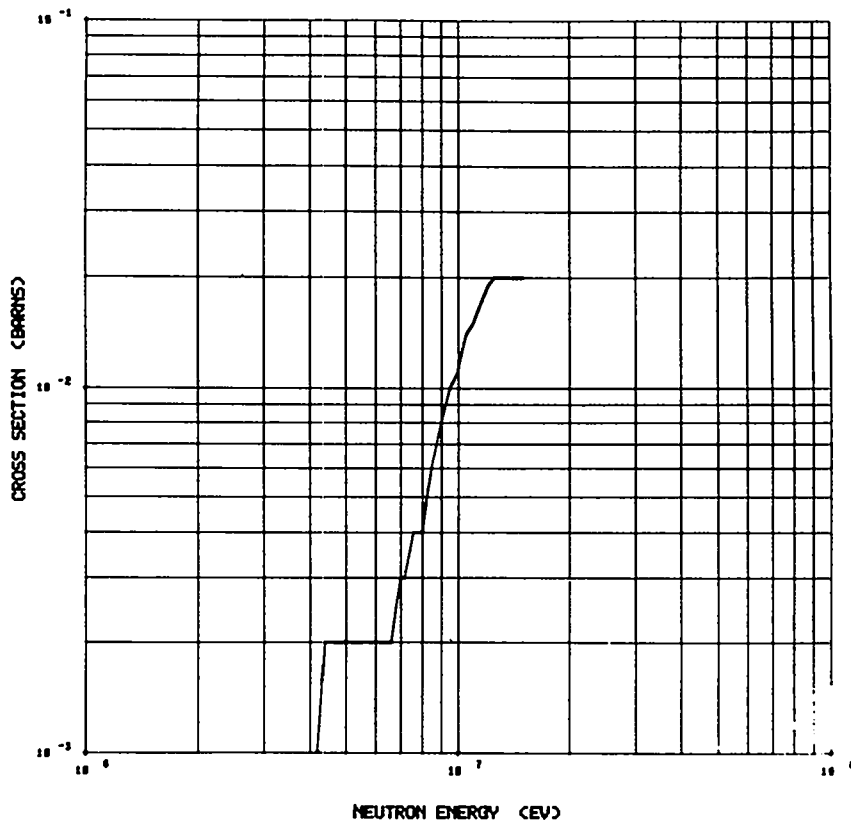


Fig. A.4. ${}^6\text{Li}$ (ENDF/B MAT = 1005) SIGMA(N,N*) (MT = 4).

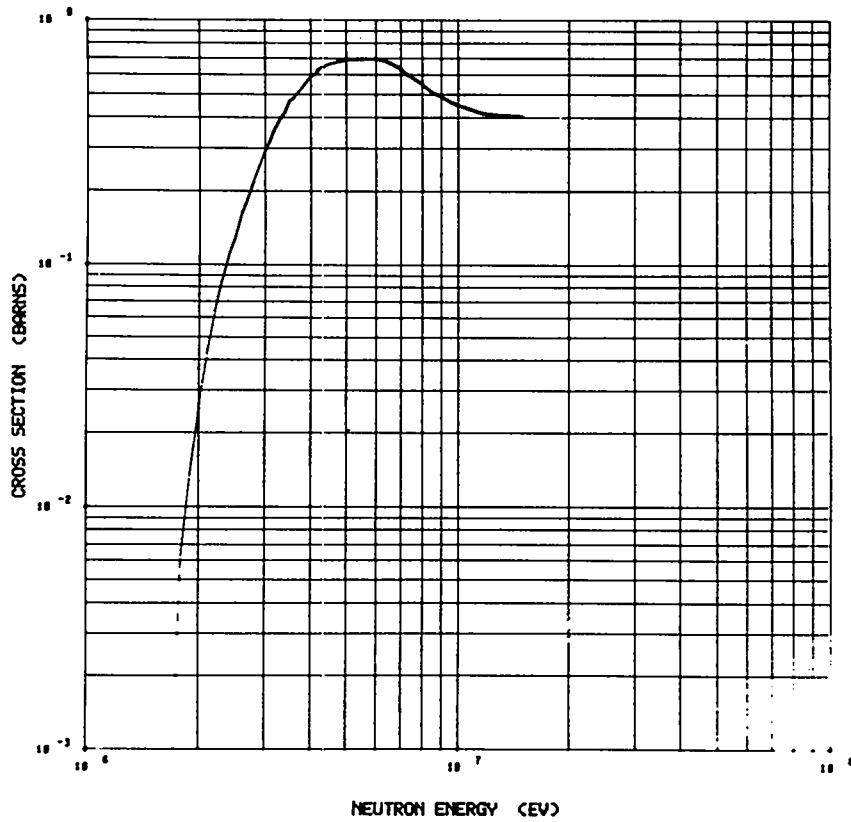


Fig. A.5. ${}^6\text{Li}$ (ENDF/B MAT = 1005) SIGMA(N,N*ALPHA) (MT = 22).

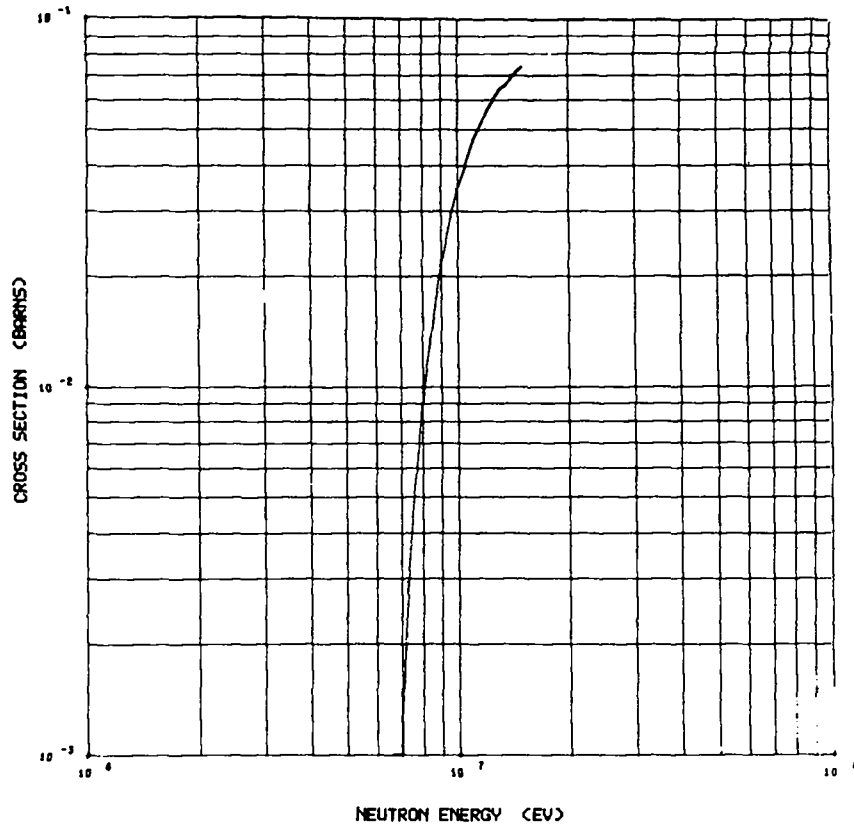


Fig. A.6. ${}^6\text{Li}$ (ENDF/B MAT = 1005) SIGMA(N,2N-ALPHA) (MT = 24).

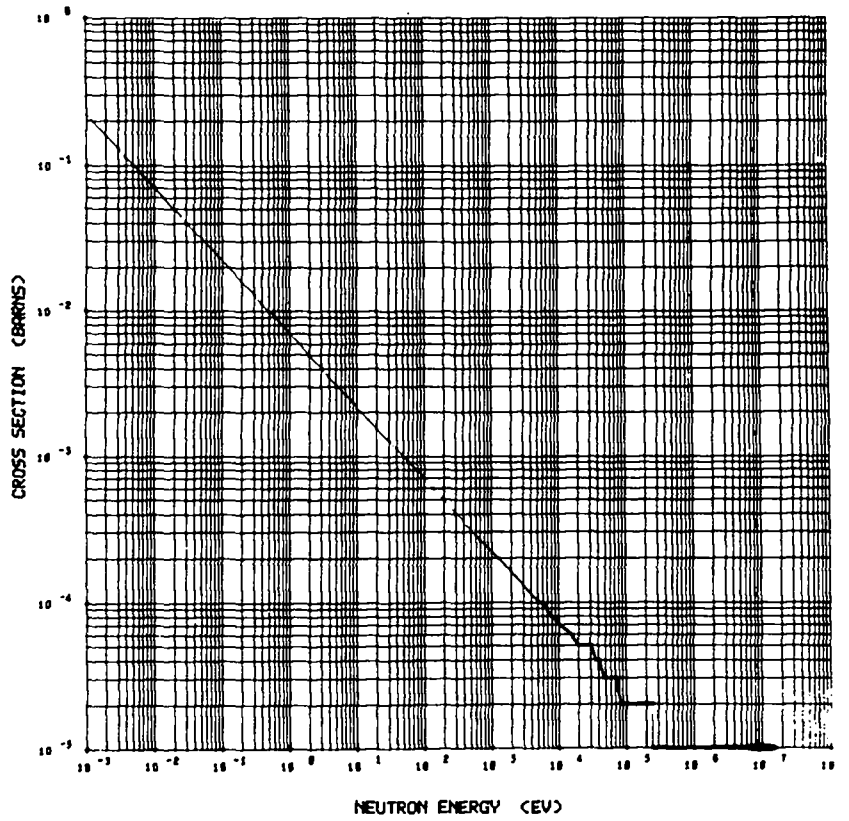


Fig. A.7. ${}^6\text{Li}$ (ENDF/B MAT = 1005) SIGMA(N,GMA) (MT = 102).

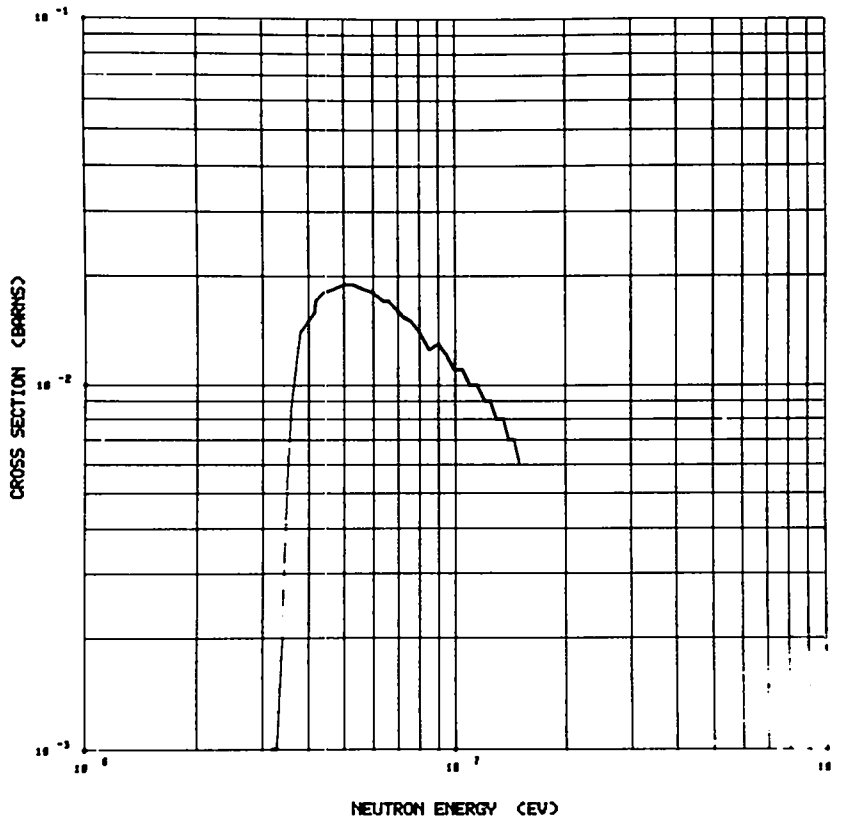


Fig. A.8. ${}^6\text{Li}$ (ENDF/B MAT = 1005) SIGMA(N,P) (MT = 103).

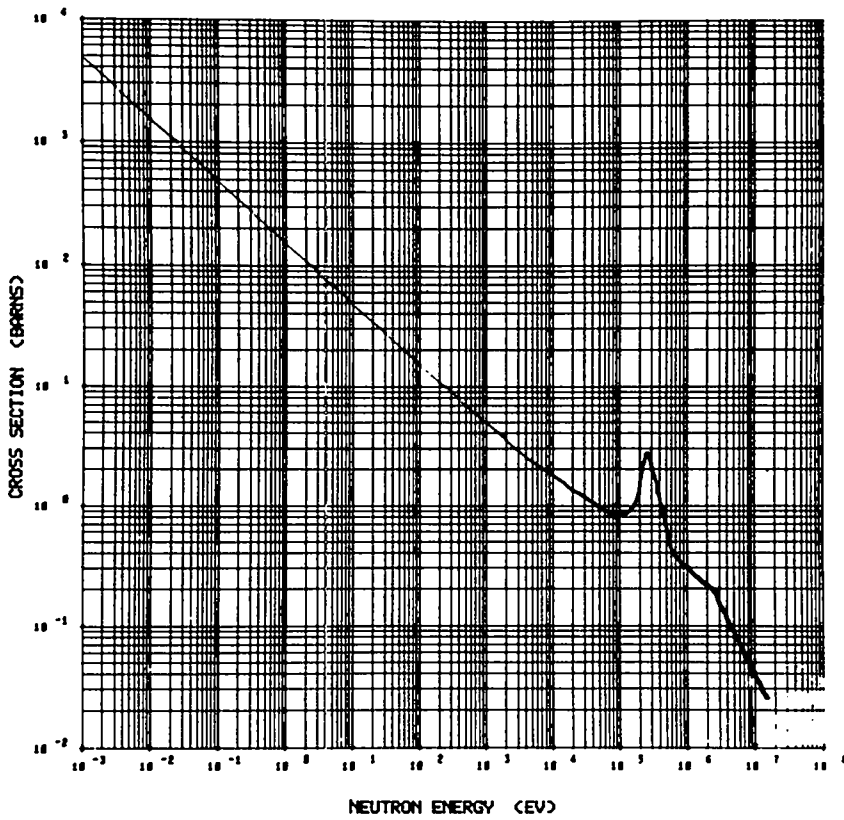


Fig. A.9. ${}^6\text{Li}$ (ENDF/B MAT = 1005) SIGMA(N,ALPHA) (MT = 107).

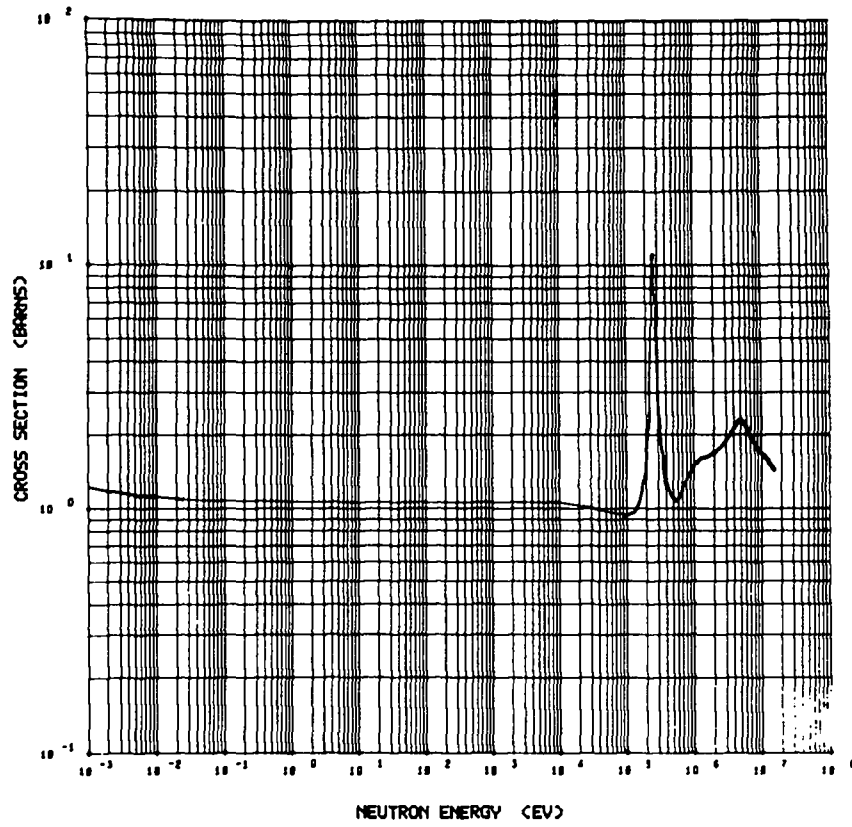


Fig. A.10. ${}^7\text{Li}$ (ENDF/B MAT = 1006) SIGMA-TOT (MT = 1).

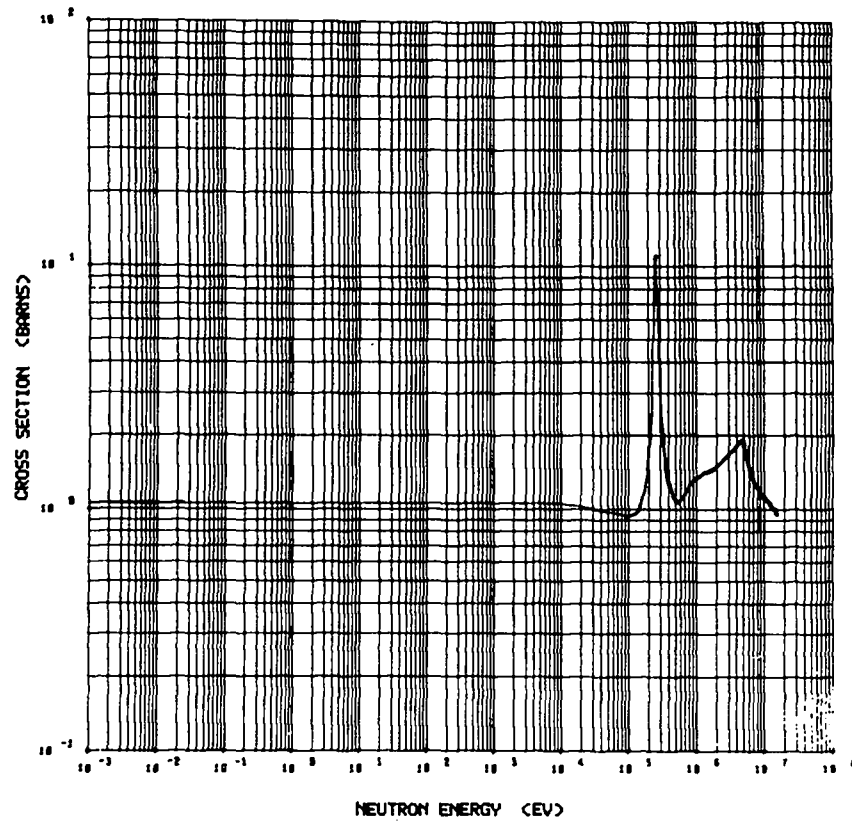


Fig. A.11. ${}^7\text{Li}$ (ENDF/B MAT = 1006) SIGMA(N,N) (MT = 2).

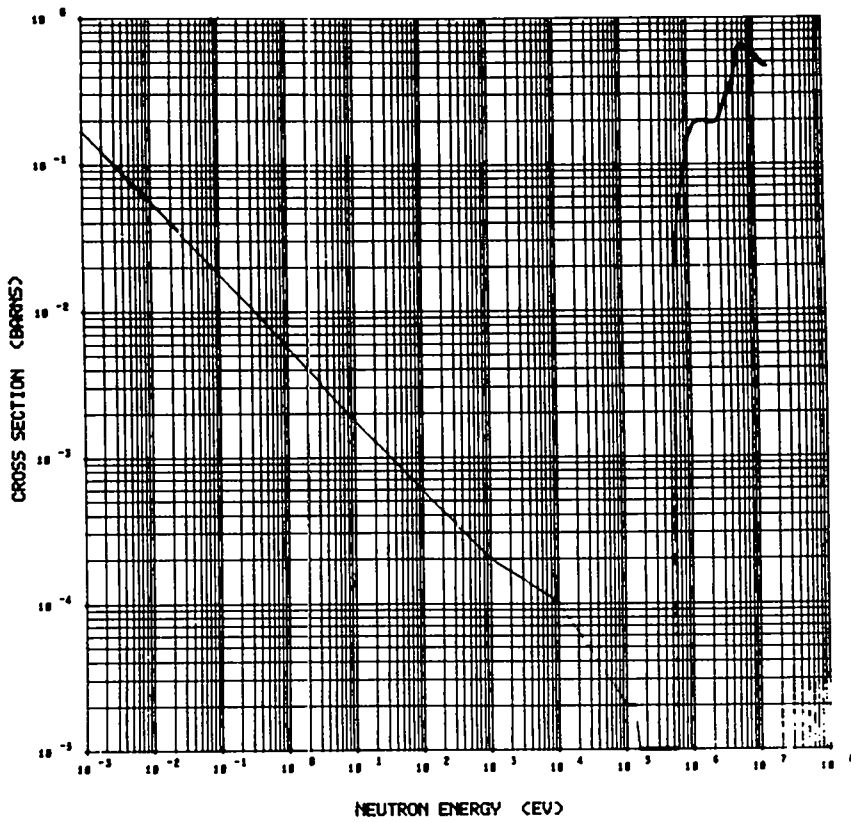


Fig. A.12. ${}^7\text{Li}$ (ENDF/B MAT = 1006) SIGMA-NE (MT = 3).

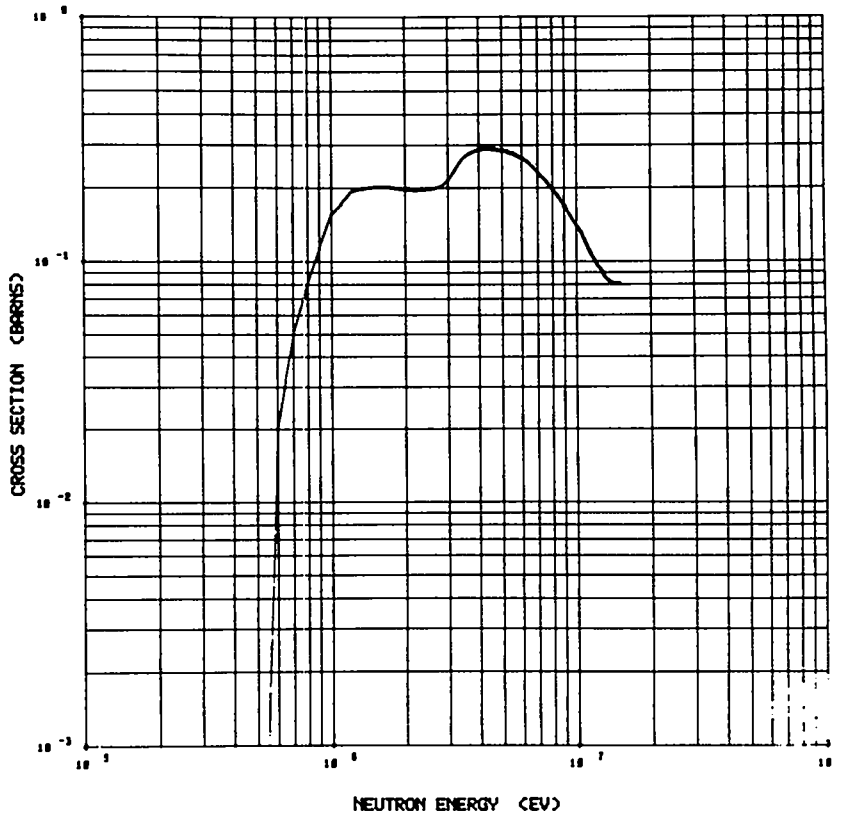


Fig. A.13. ${}^7\text{Li}$ (ENDF/B MAT = 1006) SIGMA(N,N*) (MT = 4).

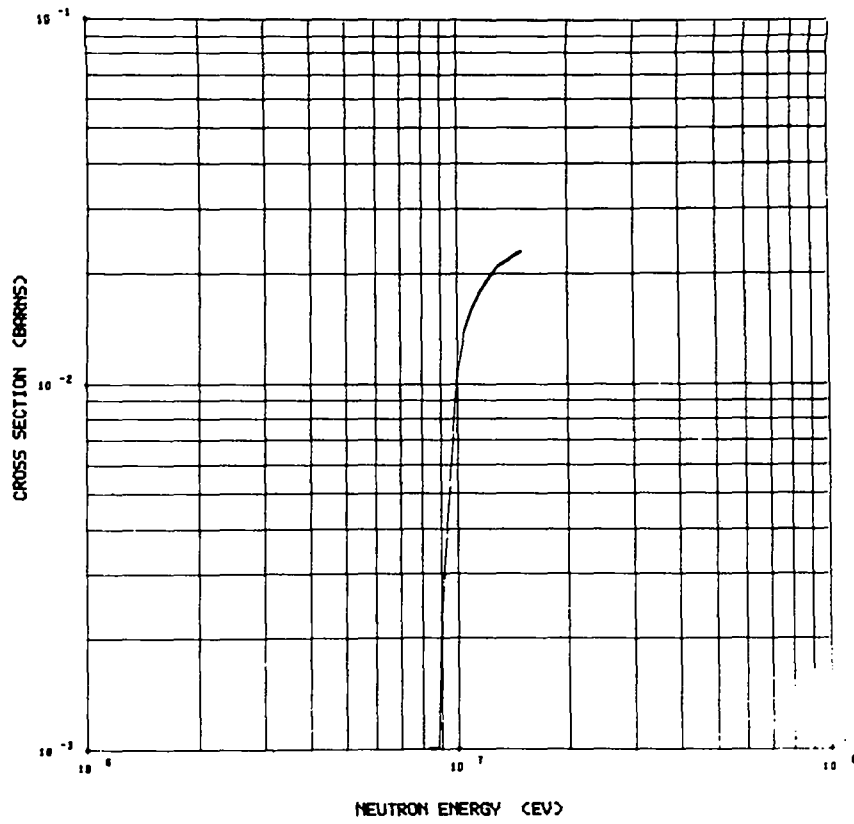


Fig. A.14. ${}^7\text{Li}$ (ENDF/B MAT = 1006) SIGMA(N,2N) (MT = 16).

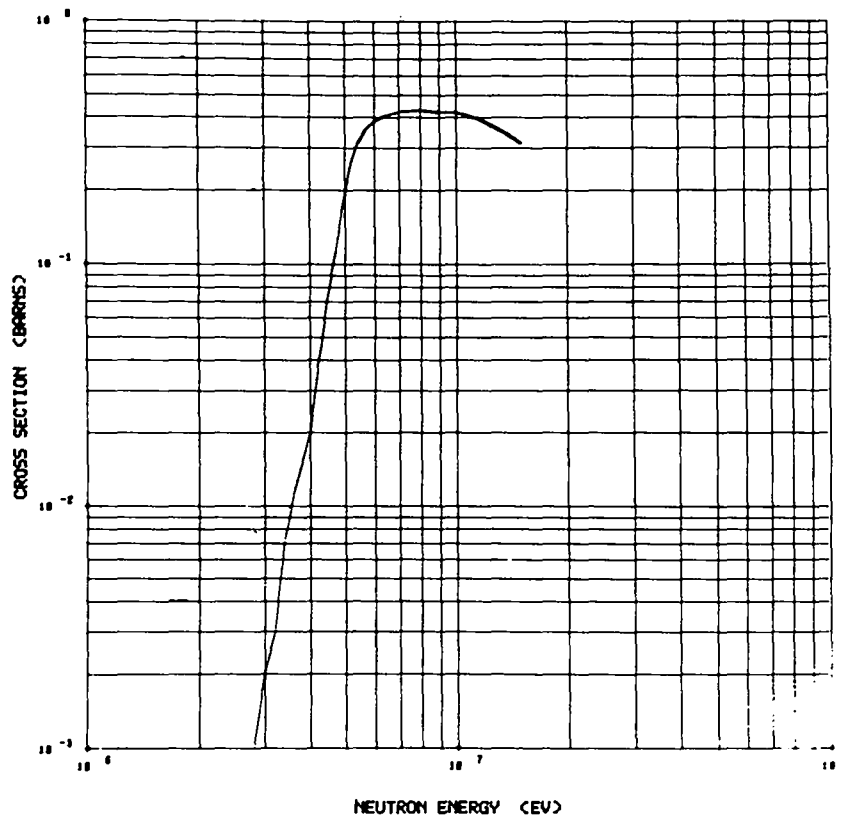


Fig. A.15. ${}^7\text{Li}$ (ENDF/B MAT = 1006) SIGMA(N,N*ALPHA) (MT = 22).

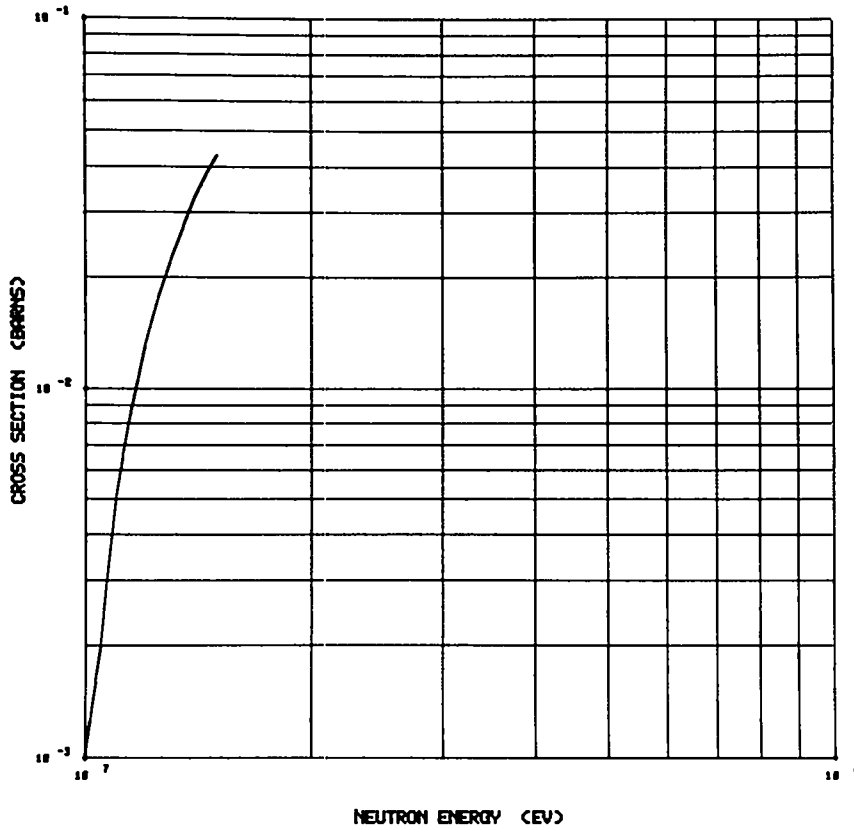


Fig. A.16. ${}^7\text{Li}$ (ENDF/B MAT = 1006) SIGMA(N,2N-ALPHA) (MT = 24).

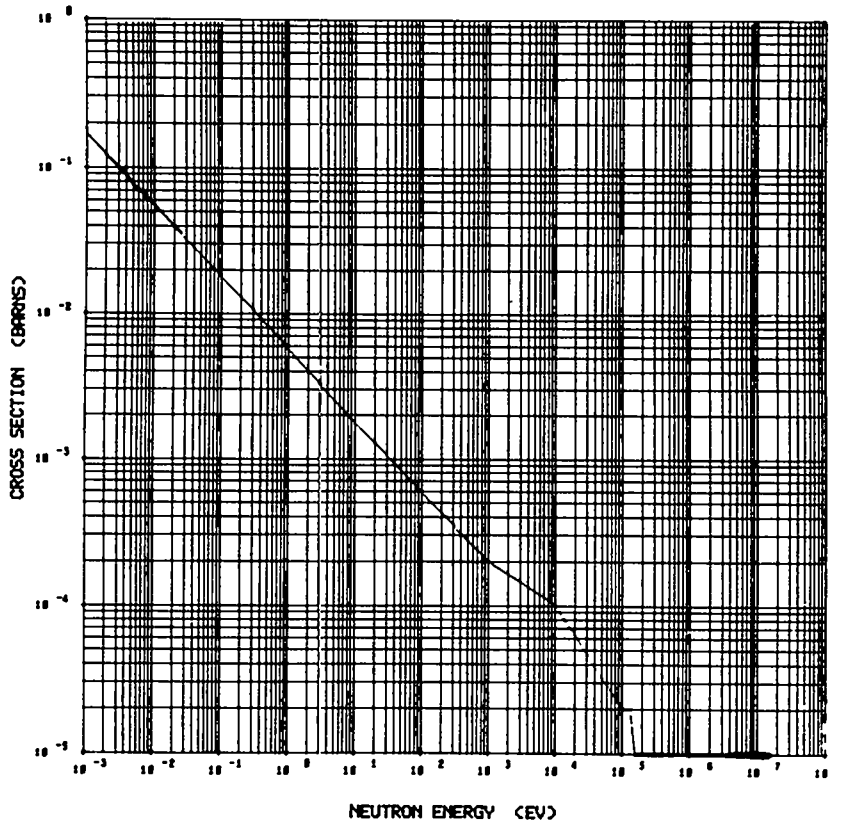


Fig. A.17. ${}^7\text{Li}$ (ENDF/B MAT = 1006) SIGMA(N,GMA) (MT = 102).

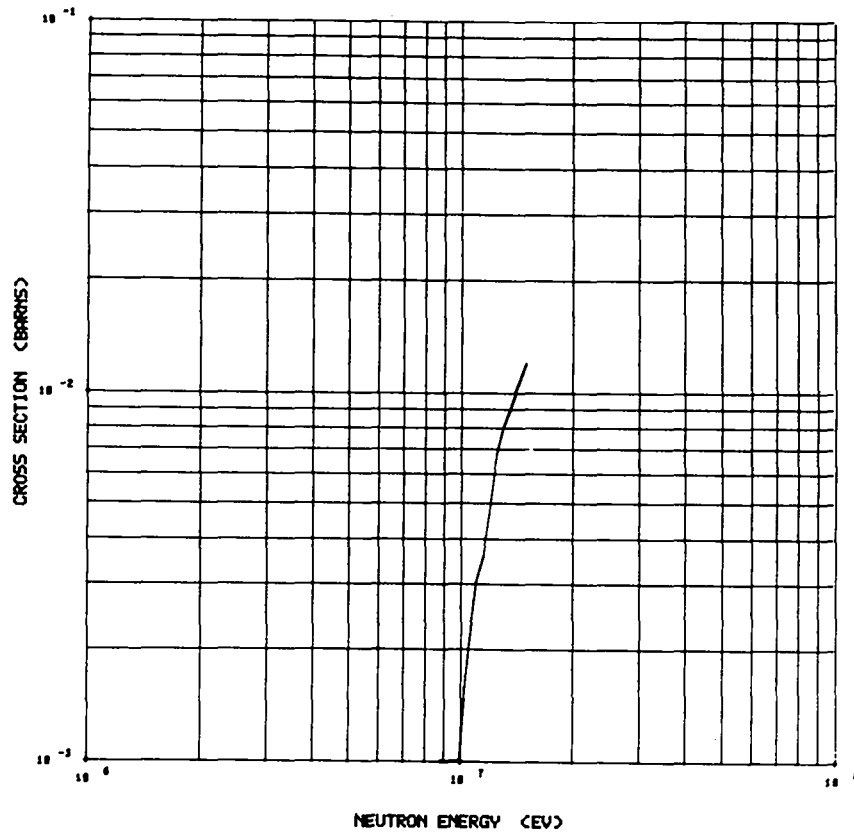


Fig. A.18. ${}^7\text{Li}$ (ENDF/B MAT = 1006) SIGMA(N,D) (MT = 104).

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.      5.9624 +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 ENRGY RANGE 0.001 EV TO 15 MEV 1005 1451  4
AWRE DATA -- DATA FILE NUMBER (DFN) 214. AS PFR AWRE REPORT NO. 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 RFPRT NO. 0-60/64 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

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 BOX 1662, LOS ALAMOS, NM 87544

1005 1451 19
 1005 1451 20
 1005 1451 21
 1005 1451 22
 1005 1451 23
 1005 1451 24
 1005 1 0 25
 1005 0 0 26

3006.	5.9624	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+021005 3 1	30
1.0000E-01	4.8097E+02	1.0000E+00	1.5096E+02	1.0000E+01	4.8952E+011005 3 1	31
1.0000E+02	1.5951E+01	4.0000E+02	8.6504E+00	1.0000E+03	5.7502E+001005 3 1	32
2.0000E+03	4.3602E+00	4.0000E+03	3.3401E+00	6.5000E+03	2.8501E+001005 3 1	33
1.0000E+04	2.4501E+00	1.5000E+04	2.1501E+00	2.0000E+04	1.9801E+001005 3 1	34
2.5000E+04	1.8801E+00	3.0000E+04	1.8101E+00	3.5000E+04	1.7700E+001005 3 1	35
4.0000E+04	1.7300E+00	4.5000E+04	1.7000E+00	5.0000E+04	1.6800E+001005 3 1	36
6.0000E+04	1.6500E+00	7.0000E+04	1.6400E+00	8.0000E+04	1.6300E+001005 3 1	37
9.0000E+04	1.6500E+00	1.0000E+05	1.6700E+00	1.1000E+05	1.7400E+001005 3 1	38
1.2000E+05	1.8200E+00	1.3000E+05	1.9200E+00	1.4000E+05	2.0700E+001005 3 1	39
1.5000E+05	2.2600E+00	1.6000E+05	2.4900E+00	1.7000E+05	2.8000E+001005 3 1	40
1.8000E+05	3.2100E+00	1.9000E+05	3.8000E+00	2.0000E+05	4.6500E+001005 3 1	41
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2.4000E+05	9.5000E+00	2.4500E+05	1.0200E+01	2.5000E+05	1.0300E+011005 3 1	43
2.5600E+05	1.0700E+01	2.6000E+05	1.0300E+01	2.7000E+05	9.6000E+001005 3 1	44
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3.4000E+05	4.4500E+00	3.6000E+05	3.8500E+00	3.8000E+05	3.3500E+001005 3 1	46
4.0000E+05	3.0000E+00	4.2500E+05	2.7000E+00	4.5000E+05	2.4400E+001005 3 1	47
4.7500E+05	2.3000E+00	5.0000E+05	2.1700E+00	5.5000E+05	1.9800E+001005 3 1	48
6.0000E+05	1.8700E+00	6.5000E+05	1.7700E+00	7.0000E+05	1.6900E+001005 3 1	49
8.0000E+05	1.5900E+00	9.0000E+05	1.5200E+00	1.0000E+06	1.4700E+001005 3 1	50
1.1000E+06	1.4200E+00	1.2000E+06	1.4000E+00	1.3000E+06	1.3800E+001005 3 1	51
1.4000E+06	1.3600E+00	1.5000E+06	1.3500E+00	1.6000E+06	1.3500E+001005 3 1	52
1.7000E+06	1.3500E+00	1.7180E+06	1.3500E+00	1.8000E+06	1.3600E+001005 3 1	53
1.9000E+06	1.3800E+00	2.0000E+06	1.4000E+00	2.1000E+06	1.4300E+001005 3 1	54
2.2000E+06	1.4800E+00	2.3000E+06	1.5300E+00	2.4000E+06	1.5800E+001005 3 1	55
2.5000E+06	1.6400E+00	2.6000E+06	1.6900E+00	2.7000E+06	1.7300E+001005 3 1	56
2.8000E+06	1.7800E+00	3.0000E+06	1.8650E+00	3.1000E+06	1.8900E+001005 3 1	57
3.1920E+06	1.9200E+00	3.3000E+06	1.9500E+00	3.4000E+06	1.9700E+001005 3 1	58
3.5000E+06	2.0000E+00	3.6000E+06	2.0100E+00	3.8000E+06	2.0400E+001005 3 1	59
4.0000E+06	2.0630E+00	4.1580E+06	2.0700E+00	4.2000E+06	2.0800E+001005 3 1	60
4.4000E+06	2.0600E+00	4.7000E+06	2.0500E+00	5.0000E+06	2.0240E+001005 3 1	61
5.3000E+06	2.0000E+00	5.6000E+06	1.9600E+00	6.0000E+06	1.9210E+001005 3 1	62
6.4000E+06	1.9000E+00	6.6140E+06	1.8800E+00	7.0000E+06	1.8520E+001005 3 1	63
7.2000E+06	1.8300E+00	7.6000E+06	1.8000E+00	8.0000E+06	1.7900E+001005 3 1	64
8.5000E+06	1.7600E+00	9.0000E+06	1.7400E+00	9.5000E+06	1.7100E+001005 3 1	65
1.0000E+07	1.6800E+00	1.0500E+07	1.6600E+00	1.1000E+07	1.6250E+001005 3 1	66
1.1500E+07	1.5900E+00	1.2000E+07	1.5450E+00	1.2500E+07	1.5100E+001005 3 1	67
1.3000E+07	1.4700E+00	1.3500E+07	1.4300E+00	1.4000E+07	1.3900E+001005 3 1	68
1.4500E+07	1.3600E+00	1.5000E+07	1.3250E+00		1005 3 1	69
					1005 2 0	70
3006.	5.9624	0	0	0	01005 2 2	71
0.0	0.0	0	0	1	1191005 2 2	72
119	5				1005 3 2	73
1.0000E-03	9.5000E-01	1.0000E-02	9.5000E-01	2.5000E-02	9.5000E-011005 3 2	74
1.0000E-01	9.5000E-01	1.0000E+00	9.5000E-01	1.0000E+01	9.5000E-011005 3 2	75
1.0000E+02	9.5000E-01	4.0000E+02	9.5000E-01	1.0000E+03	9.5000E-011005 3 2	76
2.0000E+03	9.5000E-01	4.0000E+03	9.0000E-01	6.5000E+03	8.1000E-011005 3 2	77
1.0000E+04	7.0000E-01	1.5000E+04	6.7000E-01	2.0000E+04	6.6000E-011005 3 2	78
2.5000E+04	6.5000E-01	3.0000E+04	6.6000E-01	3.5000E+04	6.9000E-011005 3 2	79
4.0000E+04	7.0000E-01	4.5000E+04	7.2000E-01	5.0000E+04	7.3000E-011005 3 2	80
6.0000E+04	7.6000E-01	7.0000E+04	8.0000E-01	8.0000E+04	8.1000E-011005 3 2	81
9.0000E+04	8.4000E-01	1.0000E+05	8.5000E-01	1.1000E+05	9.1000E-011005 3 2	82
1.2000E+05	9.7000E-01	1.3000E+05	1.0500E+00	1.4000E+05	1.1700E+001005 3 2	83
1.5000E+05	1.3200E+00	1.6000E+05	1.5000E+00	1.7000E+05	1.7500E+001005 3 2	84
1.8000E+05	2.0500E+00	1.9000E+05	2.4600E+00	2.0000E+05	3.1000E+001005 3 2	85
2.1000E+05	3.8000E+00	2.2000E+05	4.6000E+00	2.3000E+05	5.9500E+001005 3 2	86
2.4000E+05	6.9500E+00	2.4500E+05	7.5500E+00	2.5000E+05	7.6000E+001005 3 2	87
2.5600E+05	7.9500E+00	2.6000E+05	7.6000E+00	2.7000E+05	7.0000E+001005 3 2	88
2.8000E+05	5.9500E+00	3.0000E+05	4.4000E+00	3.2000E+05	3.5500E+001005 3 2	89
3.4000E+05	2.9000E+00	3.6000E+05	2.5500E+00	3.8000E+05	2.1500E+001005 3 2	90
4.0000E+05	2.0000E+00	4.2500E+05	1.7400E+00	4.5000E+05	1.6800E+001005 3 2	91
4.7500E+05	1.6400E+00	5.0000E+05	1.5800E+00	5.5000E+05	1.5200E+001005 3 2	92

6.0000E+05	1.4700E+00	6.5000E+05	1.3900E+00	7.0000E+05	1.3300E+00	1005	3	2	93
8.0000E+05	1.2600E+00	9.0000E+05	1.2100E+00	1.0000E+06	1.1650E+00	1005	3	2	94
1.1000E+06	1.1350E+00	1.2000E+06	1.1310E+00	1.2000E+06	1.1240E+00	1005	3	2	95
1.4000E+06	1.1130E+00	1.5000E+06	1.1100E+00	1.6000E+06	1.1180E+00	1005	3	2	96
1.7000E+06	1.1250E+00	1.7180E+06	1.1250E+00	1.8000E+06	1.1250E+00	1005	3	2	97
1.9000E+06	1.1520E+00	2.0000E+06	1.1650E+00	2.1000E+06	1.1820E+00	1005	3	2	98
2.2000E+06	1.2170E+00	2.3000E+06	1.2500E+00	2.4000E+06	1.2810E+00	1005	3	2	99
2.5000E+06	1.3250E+00	2.6000E+06	1.3540E+00	2.7000E+06	1.3770E+00	1005	3	2	100
2.8000E+06	1.4040E+00	3.0000E+06	1.4300E+00	3.1000E+06	1.4300E+00	1005	3	2	101
3.1920E+06	1.4260E+00	3.3000E+06	1.4270E+00	3.4000E+06	1.4200E+00	1005	3	2	102
3.5000E+06	1.4100E+00	3.6000E+06	1.4000E+00	3.8000E+06	1.3820E+00	1005	3	2	103
4.0000E+06	1.3600E+00	4.1580E+06	1.3460E+00	4.2000E+06	1.3410E+00	1005	3	2	104
4.4000E+06	1.2990E+00	4.7000E+06	1.2755E+00	5.0000E+06	1.2400E+00	1005	3	2	105
5.3000E+06	1.2180E+00	5.6000E+06	1.1825E+00	6.0000E+06	1.1500E+00	1005	3	2	106
6.4000E+06	1.1480E+00	6.6140E+06	1.1450E+00	7.0000E+06	1.1500E+00	1005	3	2	107
7.2000E+06	1.1525E+00	7.6000E+06	1.1540E+00	8.0000E+06	1.1740E+00	1005	3	2	108
8.5000E+06	1.1765E+00	9.0000E+06	1.1700E+00	9.5000E+06	1.1600E+00	1005	3	2	109
1.0000E+07	1.1410E+00	1.0500E+07	1.1250E+00	1.1000E+07	1.0950E+00	1005	3	2	110
1.1500E+07	1.0630E+00	1.2000E+07	1.0700E+00	1.2500E+07	9.8500E-01	1005	3	2	111
1.3000E+07	9.4500E-01	1.3500E+07	9.0500E-01	1.4000E+07	8.6500E-01	1005	3	2	112
1.4500E+07	8.3500E-01	1.5000E+07	8.0000E-01			1005	3	2	113
						1005	3	0	114
3006.	5.9634	0	0	0	0	01005	3	3	115
0.0	0.0	0	0	1	1	1191005	3	3	116
	110	5				1005	3	3	117
1.0000E-03	4.8002E+03	1.0000E-02	1.5001E+03	2.5000E-02	9.5905E+02	1005	3	3	118
1.0000E-01	4.8002E+02	1.0000E+00	1.5001E+02	1.0000E+01	4.8002E+01	1005	3	3	119
1.0000E+02	1.5001E+01	4.0000E+02	7.7004E+00	1.0000E+03	4.8002E+00	1005	3	3	120
2.0000E+03	3.4102E+00	4.0000E+03	2.4401E+00	6.5000E+03	2.0401E+00	1005	3	3	121
1.0000E+04	1.7501E+00	1.5000E+04	1.4801E+00	2.0000E+04	1.3201E+00	1005	3	3	122
2.5000E+04	1.2301E+00	3.0000E+04	1.1501E+00	3.5000E+04	1.0800E+00	1005	3	3	123
4.0000E+04	1.0300E+00	4.5000E+04	9.8000E-01	5.0000E+04	9.5000E-01	1005	3	3	124
6.0000E+04	8.9003E-01	7.0000E+04	8.4003E-01	8.0000E+04	8.2002E-01	1005	3	3	125
9.0000E+04	8.1002E-01	1.0000E+05	8.2002E-01	1.1000E+05	8.3002E-01	1005	3	3	126
1.2000E+05	8.5002E-01	1.3000E+05	8.7002E-01	1.4000E+05	9.0002E-01	1005	3	3	127
1.5000E+05	9.4002E-01	1.6000E+05	9.9002E-01	1.7000E+05	1.0500E+00	1005	3	3	128
1.8000E+05	1.1600E+00	1.9000E+05	1.3400E+00	2.0000E+05	1.5500E+00	1005	3	3	129
2.1000E+05	1.8500E+00	2.2000E+05	2.2000E+00	2.3000E+05	2.3500E+00	1005	3	3	130
2.4000E+05	2.5500E+00	2.4500E+05	2.6500E+00	2.5000E+05	2.7000E+00	1005	3	3	131
2.5600E+05	2.7500E+00	2.6000E+05	2.7000E+00	2.7000E+05	2.6000E+00	1005	3	3	132
2.8000E+05	2.3500E+00	3.0000E+05	2.1000E+00	3.2000E+05	1.8000E+00	1005	3	3	133
3.4000E+05	1.5500E+00	3.6000E+05	1.3000E+00	3.8000E+05	1.2000E+00	1005	3	3	134
4.0000E+05	1.0000E+00	4.2500E+05	9.6000E-01	4.5000E+05	7.6000E-01	1005	3	3	135
4.7500E+05	6.6000E-01	5.0000E+05	5.9000E-01	5.5000E+05	4.6000E-01	1005	3	3	136
6.0000E+05	4.0000E-01	6.5000E+05	3.8000E-01	7.0000E+05	3.6000E-01	1005	3	3	137
8.0000E+05	3.3000E-01	9.0000E+05	3.1000E-01	1.0000E+06	3.0500E-01	1005	3	3	138
1.1000E+06	2.8500E-01	1.2000E+06	2.6900E-01	1.3000E+06	2.5600E-01	1005	3	3	139
1.4000E+06	2.4700E-01	1.5000E+06	2.4000E-01	1.6000E+06	2.3200E-01	1005	3	3	140
1.7000E+06	2.2500E-01	1.7180E+06	2.2500E-01	1.8000E+06	2.2500E-01	1005	3	3	141
1.9000E+06	2.2800E-01	2.0000E+06	2.3500E-01	2.1000E+06	2.4800E-01	1005	3	3	142
2.2000E+06	2.6300E-01	2.3000E+06	2.8000E-01	2.4000E+06	2.9000E-01	1005	3	3	143
2.5000E+06	3.1500E-01	2.6000E+06	3.3600E-01	2.7000E+06	3.5300E-01	1005	3	3	144
2.8000E+06	3.7600E-01	3.0000E+06	4.3500E-01	3.1000E+06	4.6000E-01	1005	3	3	145
3.1920E+06	4.9400E-01	3.3000E+06	5.2300E-01	3.4000E+06	5.5000E-01	1005	3	3	146
3.5000E+06	5.9000E-01	3.6000E+06	6.1000E-01	3.8000E+06	6.5800E-01	1005	3	3	147
4.0000E+06	7.0300E-01	4.1580E+06	7.2400E-01	4.2000E+06	7.3900E-01	1005	3	3	148
4.4000E+06	7.6100E-01	4.7000E+06	7.7450E-01	5.0000E+06	7.8400E-01	1005	2	3	149
5.3000E+06	7.8200E-01	5.6000E+06	7.7750E-01	6.0000E+06	7.7100E-01	1005	3	3	150
6.4000E+06	7.5200E-01	6.6140E+06	7.3500E-01	7.0000E+06	7.0200E-01	1005	3	3	151
7.2000E+06	6.7750E-01	7.6000E+06	6.4600E-01	8.0000E+06	6.1600E-01	1005	3	3	152
8.5000E+06	5.8350E-01	9.0000E+06	5.7000E-01	9.5000E+06	5.5000E-01	1005	3	3	153
1.0000E+07	5.3900E-01	1.0500E+07	5.3500E-01	1.1000E+07	5.3000E-01	1005	3	3	154
1.1500E+07	5.2700E-01	1.2000E+07	5.2500E-01	1.2500E+07	5.2500E-01	1005	3	3	155
1.3000E+07	5.2500E-01	1.3500E+07	5.2500E-01	1.4000E+07	5.2500E-01	1005	3	3	156
1.4500E+07	5.2500E-01	1.5000E+07	5.2500E-01			1005	3	3	157
						1005	3	0	158
3006.	5.9634	0	1	0	0	01005	3	4	159
0.0	-2.56	0	0	1	1	281005	3	4	160
	28	5				1005	3	4	161
4.1580E+06	1.0000E-03	4.2000E+06	1.0000E-03	4.4000E+06	2.0000E-03	1005	3	4	162
4.7000E+06	2.0000E-03	5.0000E+06	2.0000E-03	5.3000E+06	2.0000E-03	1005	3	4	163
5.6000E+06	2.0000E-03	6.0000E+06	2.0000E-03	6.4000E+06	2.0000E-03	1005	3	4	164
6.6140E+06	2.0000E-03	7.0000E+06	3.0000E-03	7.2000E+06	3.0000E-03	1005	3	4	165

7.6000E+06	4.0000E-03	8.0000E+06	4.0000E-03	8.5000E+06	6.0000E-03	1005	3	4	166
9.0000E+06	8.0000E-03	9.5000E+06	1.0000E-02	1.0000E+07	1.1000E-02	1005	3	4	167
1.0500E+07	1.4000E-02	1.1000E+07	1.5000E-02	1.1500E+07	1.7000E-02	1005	3	4	168
1.2000E+07	1.9000E-02	1.2500E+07	2.0000E-02	1.3000E+07	2.0000E-02	1005	3	4	169
1.3500E+07	2.0000E-02	1.4000E+07	2.0000E-02	1.4500E+07	2.0000E-02	1005	3	4	170
1.5000E+07	2.0000E-02					1005	3	4	171
						1005	3	0	172
3006.	5.0634					01005	3	22	173
0.0	-1.471 F+06					491005	3	22	174
						1005	3	22	175
1.7180E+06	1.0000E-03	1.8000E+06	6.0000E-03	1.9000E+06	1.3000E-02	1005	3	22	176
2.0000E+06	2.5000E-02	2.1000E+06	4.1000E-02	2.2000E+06	6.2000E-02	1005	3	22	177
2.3000E+06	8.3000E-02	2.4000E+06	1.0800E-01	2.5000E+06	1.3000E-01	1005	3	22	178
2.6000E+06	1.5800E-01	2.7000E+06	1.8500E-01	2.8000E+06	2.1800E-01	1005	3	22	179
3.0000E+06	2.9000E-01	3.1000E+06	3.2100E-01	3.1920E+06	3.5700E-01	1005	3	22	180
3.3000E+06	3.9000E-01	3.4000E+06	4.2000E-01	3.5000E+06	4.6000E-01	1005	3	22	181
3.6000E+06	4.8000E-01	3.8000E+06	5.3000E-01	4.0000E+06	5.8100E-01	1005	3	22	182
4.1580E+06	6.0500E-01	4.2000E+06	6.2000E-01	4.4000E+06	6.4500E-01	1005	3	22	183
4.7000E+06	6.6500E-01	5.0000E+06	6.8000E-01	5.3000E+06	6.8200E-01	1005	3	22	184
5.6000E+06	6.8400E-01	6.0000E+06	6.8300E-01	6.4000E+06	6.7000E-01	1005	3	22	185
6.6140E+06	6.5500E-01	7.0000E+06	6.2500E-01	7.2000E+06	6.0200E-01	1005	3	22	186
7.6000E+06	5.7000E-01	8.0000E+06	5.4000E-01	8.5000E+06	5.0500E-01	1005	3	22	187
9.0000E+06	4.8500E-01	9.5000E+06	4.6000E-01	1.0000E+07	4.4500E-01	1005	3	22	188
1.0500E+07	4.3100E-01	1.1000E+07	4.2500E-01	1.1500E+07	4.1600E-01	1005	3	22	189
1.2000E+07	4.1000E-01	1.2500E+07	4.0700E-01	1.3000E+07	4.0500E-01	1005	3	22	190
1.3500E+07	4.0400E-01	1.4000E+07	4.0300E-01	1.4500E+07	4.0100E-01	1005	3	22	191
1.5000E+07	4.0000E-01					1005	3	22	192
						1005	3	0	193
3006.	5.0634					01005	3	24	194
0.0	-3.696 F+06					191005	3	24	195
						1005	3	24	196
6.6140E+06	1.0000E-03	7.0000E+06	1.0000E-03	7.2000E+06	2.0000E-03	1005	3	24	197
7.6000E+06	5.0000E-03	8.0000E+06	9.0000E-03	8.5000E+06	1.4000E-02	1005	3	24	198
9.0000E+06	2.1000E-02	9.5000E+06	2.8000E-02	1.0000E+07	3.4000E-02	1005	3	24	199
1.0500E+07	4.0000E-02	1.1000E+07	4.6000E-02	1.1500E+07	5.1000E-02	1005	3	24	200
1.2000E+07	5.6000E-02	1.2500E+07	6.0000E-02	1.3000E+07	6.4000E-02	1005	3	24	201
1.3500E+07	6.6000E-02	1.4000E+07	6.9000E-02	1.4500E+07	7.2000E-02	1005	3	24	202
1.5000E+07	7.4000E-02					1005	3	24	203
						1005	3	0	204
3006.	5.0634					01005	3	102	205
0.0	7.252 F+06					1191005	3	102	206
						1005	3	102	207
1.0000E-03	2.2500E-01	1.0000E-02	7.1000E-02	2.5000E-02	4.5000E-02	3102	3	102	208
1.0000E-01	2.2500E-02	1.0000E+00	7.1000E-03	1.0000E+01	2.2000E-03	3102	3	102	209
1.0000E+02	7.1000E-04	4.0000E+02	3.5000E-04	1.0000E+03	2.2000E-04	3102	3	102	210
2.0000E+03	1.6000E-04	4.0000E+03	1.1000E-04	6.5000E+03	9.0000E-05	3102	3	102	211
1.0000E+04	7.0000E-05	1.5000E+04	6.0000E-05	2.0000E+04	5.0000E-05	3102	3	102	212
2.5000E+04	5.0000E-05	3.0000E+04	5.0000E-05	3.5000E+04	4.0000E-05	3102	3	102	213
4.0000E+04	4.0000E-05	4.5000E+04	3.0000E-05	5.0000E+04	3.0000E-05	3102	3	102	214
6.0000E+04	3.0000E-05	7.0000E+04	3.0000E-05	8.0000E+04	2.0000E-05	3102	3	102	215
9.0000E+04	2.0000E-05	1.0000E+05	2.0000E-05	1.1000E+05	2.0000E-05	3102	3	102	216
1.2000E+05	2.0000E-05	1.3000E+05	2.0000E-05	1.4000E+05	2.0000E-05	3102	3	102	217
1.5000E+05	2.0000E-05	1.6000E+05	2.0000E-05	1.7000E+05	2.0000E-05	3102	3	102	218
1.8000E+05	2.0000E-05	1.9000E+05	2.0000E-05	2.0000E+05	2.0000E-05	3102	3	102	219
2.1000E+05	2.0000E-05	2.2000E+05	2.0000E-05	2.3000E+05	2.0000E-05	3102	3	102	220
2.4000E+05	2.0000E-05	2.4500E+05	1.0000E-05	2.5000E+05	1.0000E-05	3102	3	102	221
2.5600E+05	1.0000E-05	2.6000E+05	1.0000E-05	2.7000E+05	1.0000E-05	3102	3	102	222
2.8000E+05	1.0000E-05	3.0000E+05	1.0000E-05	3.2000E+05	1.0000E-05	3102	3	102	223
3.4000E+05	1.0000E-05	3.6000E+05	1.0000E-05	3.8000E+05	1.0000E-05	3102	3	102	224
4.0000E+05	1.0000E-05	4.2500E+05	1.0000E-05	4.5000E+05	1.0000E-05	3102	3	102	225
4.7500E+05	1.0000E-05	5.0000E+05	1.0000E-05	5.5000E+05	1.0000E-05	3102	3	102	226
6.0000E+05	1.0000E-05	6.5000E+05	1.0000E-05	7.0000E+05	1.0000E-05	3102	3	102	227
8.0000E+05	1.0000E-05	9.0000E+05	1.0000E-05	1.0000E+06	1.0000E-05	3102	3	102	228
1.1000E+06	1.0000E-05	1.2000E+06	1.0000E-05	1.3000E+06	1.0000E-05	3102	3	102	229
1.4000E+06	1.0000E-05	1.5000E+06	1.0000E-05	1.6000E+06	1.0000E-05	3102	3	102	230
1.7000E+06	1.0000E-05	1.7180E+06	1.0000E-05	1.8000E+06	1.0000E-05	3102	3	102	231
1.9000E+06	1.0000E-05	2.0000E+06	1.0000E-05	2.1000E+06	1.0000E-05	3102	3	102	232
2.2000E+06	1.0000E-05	2.3000E+06	1.0000E-05	2.4000E+06	1.0000E-05	3102	3	102	233
2.5000E+06	1.0000E-05	2.6000E+06	1.0000E-05	2.7000E+06	1.0000E-05	3102	3	102	234
2.8000E+06	1.0000E-05	3.0000E+06	1.0000E-05	3.1000E+06	1.0000E-05	3102	3	102	235
3.1920E+06	1.0000E-05	3.3000E+06	1.0000E-05	3.4000E+06	1.0000E-05	3102	3	102	236
3.5000E+06	1.0000E-05	3.6000E+06	1.0000E-05	3.8000E+06	1.0000E-05	3102	3	102	237
4.0000E+06	1.0000E-05	4.1580E+06	1.0000E-05	4.2000E+06	1.0000E-05	3102	3	102	238
4.4000E+06	1.0000E-05	4.7000E+06	1.0000E-05	5.0000E+06	1.0000E-05	3102	3	102	239

5.3000E+06	1.0000E-05	5.6000E+06	1.0000E-05	6.0000E+06	1.0000E-05	1005	3102	240
6.4000E+06	1.0000E-05	6.6140E+06	1.0000E-05	7.0000E+06	1.0000E-05	1005	3102	241
7.2000E+06	1.0000E-05	7.6000E+06	1.0000E-05	8.0000E+06	1.0000E-05	1005	3102	242
8.5000E+06	1.0000E-05	9.0000E+06	1.0000E-05	9.5000E+06	1.0000E-05	1005	3102	243
1.0000E+07	1.0000E-05	1.0500E+07	1.0000E-05	1.1000E+07	1.0000E-05	1005	3102	244
1.1500E+07	1.0000E-05	1.2000E+07	1.0000E-05	1.2500E+07	1.0000E-05	1005	3102	245
1.3000E+07	1.0000E-05	1.3500E+07	1.0000E-05	1.4000E+07	1.0000E-05	1005	3102	246
1.4500E+07	1.0000E-05	1.5000E+07	1.0000E-05			1005	3102	247
						1005	3102	248
3006.	5.9634	0	0	0	0	01005	3103	249
0.0	-2.733	5+06	0	0	1	351005	3103	250
	35	5				1005	3103	251
3.1920E+06	1.0000E-03	3.3000E+06	1.0000E-03	3.4000E+06	2.0000E-03	1005	3103	252
3.5000E+06	5.0000E-03	3.6000E+06	9.0000E-03	3.8000E+06	1.4000E-02	1005	3103	253
4.0000E+06	1.5000E-02	4.1580E+06	1.6000E-02	4.2000E+06	1.7000E-02	1005	3103	254
4.4000E+06	1.8000E-02	4.7000E+06	1.8500E-02	5.0000E+06	1.9000E-02	1005	3103	255
5.3000E+06	1.9000E-02	5.6000E+06	1.8500E-02	6.0000E+06	1.8000E-02	1005	3103	256
6.4000E+06	1.7000E-02	6.6140E+06	1.7000E-02	7.0000E+06	1.6000E-02	1005	3103	257
7.2000E+06	1.5500E-02	7.6000E+06	1.5000E-02	8.0000E+06	1.4000E-02	1005	3103	258
8.5000E+06	1.2500E-02	9.0000E+06	1.3000E-02	9.5000E+06	1.2000E-02	1005	3103	259
1.0000E+07	1.1000E-02	1.0500E+07	1.1000E-02	1.1000E+07	1.0000E-02	1005	3103	260
1.1500E+07	1.0000E-02	1.2000E+07	9.0000E-03	1.2500E+07	9.0000E-03	1005	3103	261
1.3000E+07	8.0000E-03	1.3500E+07	8.0000E-03	1.4000E+07	7.0000E-03	1005	3103	262
1.4500E+07	7.0000E-03	1.5000E+07	6.0000E-03			1005	3103	263
						1005	3103	264
3006.	5.9634	0	0	0	0	01005	3107	265
0.0	4.786	5+06	0	0	1	1191005	3107	266
	119	5				1005	3107	267
1.0000E-03	4.8000E+03	1.0000E-02	1.5000E+03	2.5000E-02	9.5900E+02	1005	3107	268
1.0000E-01	4.8000E+02	1.0000E+00	1.5000E+02	1.0000E+01	4.8000E+01	1005	3107	269
1.0000E+02	1.5000E+01	4.0000E+02	7.7000E+00	1.0000E+03	4.8000E+00	1005	3107	270
2.0000E+03	3.4100E+00	4.0000E+03	2.4401E+00	6.5000E+03	2.0400E+00	1005	3107	271
1.0000E+04	1.7500E+00	1.5000E+04	1.4800E+00	2.0000E+04	1.3200E+00	1005	3107	272
2.5000E+04	1.2300E+00	3.0000E+04	1.1500E+00	3.5000E+04	1.0800E+00	1005	3107	273
4.0000E+04	1.0300E+00	4.5000E+04	9.8000E-01	5.0000E+04	9.5000E-01	1005	3107	274
6.0000E+04	8.9000E-01	7.0000E+04	8.4000E-01	8.0000E+04	8.2000E-01	1005	3107	275
9.0000E+04	8.1000E-01	1.0000E+05	8.2000E-01	1.1000E+05	8.3000E-01	1005	3107	276
1.2000E+05	8.5000E-01	1.3000E+05	8.7000E-01	1.4000E+05	9.0000E-01	1005	3107	277
1.5000E+05	9.4000E-01	1.6000E+05	9.9000E-01	1.7000E+05	1.0500E+00	1005	3107	278
1.8000E+05	1.1600E+00	1.9000E+05	1.3400E+00	2.0000E+05	1.5500E+00	1005	3107	279
2.1000E+05	1.8500E+00	2.2000E+05	2.2000E+00	2.3000E+05	2.3500E+00	1005	3107	280
2.4000E+05	2.5500E+00	2.4500E+05	2.6500E+00	2.5000E+05	2.7000E+00	1005	3107	281
2.5600E+05	2.7500E+00	2.6000E+05	2.7000E+00	2.7000E+05	2.6000E+00	1005	3107	282
2.8000E+05	2.3500E+00	3.0000E+05	2.1000E+00	3.2000E+05	1.8000E+00	1005	3107	283
3.4000E+05	1.5500E+00	3.6000E+05	1.3000E+00	3.8000E+05	1.2000E+00	1005	3107	284
4.0000E+05	1.0000E+00	4.2500E+05	9.6000E-01	4.5000E+05	7.6000E-01	1005	3107	285
4.7500E+05	6.6000E-01	5.0000E+05	5.9000E-01	5.5000E+05	4.6000E-01	1005	3107	286
6.0000E+05	4.0000E-01	6.5000E+05	3.8000E-01	7.0000E+05	3.6000E-01	1005	3107	287
8.0000E+05	3.3000E-01	9.0000E+05	3.1000E-01	1.0000E+06	3.0500E-01	1005	3107	288
1.1000E+06	2.8500E-01	1.2000E+06	2.6900E-01	1.3000E+06	2.5600E-01	1005	3107	289
1.4000E+06	2.4700E-01	1.5000E+06	2.4000E-01	1.6000E+06	2.3200E-01	1005	3107	290
1.7000E+06	2.2500E-01	1.7180E+06	2.2400E-01	1.8000E+06	2.1900E-01	1005	3107	291
1.9000E+06	2.1500E-01	2.0000E+06	2.1000E-01	2.1000E+06	2.0700E-01	1005	3107	292
2.2000E+06	2.0100E-01	2.3000E+06	1.9700E-01	2.4000E+06	1.9100E-01	1005	3107	293
2.5000E+06	1.8500E-01	2.6000E+06	1.7800E-01	2.7000E+06	1.6800E-01	1005	3107	294
2.8000E+06	1.5800E-01	3.0000E+06	1.4500E-01	3.1000E+06	1.3900E-01	1005	3107	295
3.1920E+06	1.3600E-01	3.3000E+06	1.3200E-01	3.4000E+06	1.2800E-01	1005	3107	296
3.5000E+06	1.2500E-01	3.6000E+06	1.2100E-01	3.8000E+06	1.1400E-01	1005	3107	297
4.0000E+06	1.0700E-01	4.1580E+06	1.0200E-01	4.2000E+06	1.0100E-01	1005	3107	298
4.4000E+06	9.6000E-02	4.7000E+06	8.9000E-02	5.0000E+06	8.3000E-02	1005	3107	299
5.3000E+06	7.9000E-02	5.6000E+06	7.3000E-02	6.0000E+06	6.8000E-02	1005	3107	300
6.4000E+06	6.3000E-02	6.6140E+06	6.0000E-02	7.0000E+06	5.7000E-02	1005	3107	301
7.2000E+06	5.5000E-02	7.6000E+06	5.2000E-02	8.0000E+06	4.9000E-02	1005	3107	302
8.5000E+06	4.6000E-02	9.0000E+06	4.3000E-02	9.5000E+06	4.0000E-02	1005	3107	303
1.0000E+07	3.8000E-02	1.0500E+07	3.6000E-02	1.1000E+07	3.4000E-02	1005	3107	304
1.1500E+07	3.3000E-02	1.2000E+07	3.1000E-02	1.2500E+07	2.9000E-02	1005	3107	305
1.3000E+07	2.8000E-02	1.3500E+07	2.7000E-02	1.4000E+07	2.6000E-02	1005	3107	306
1.4500E+07	2.5000E-02	1.5000E+07	2.5000E-02			1005	3107	307
						1005	3107	308
3006.	5.9634	0	0	0	0	01005	3251	309
0.0	0.0	0	0	0	2	2721005	3251	310
	2	1	272	3		1005	3251	311
1.0000E-03	1.10797-01	1.0000E+04	1.10797-01	1.1000E+04	1.10496-01	1005	3251	312
1.2000E+04	1.10194-01	1.3000E+04	1.09892-01	1.4000E+04	1.09591-01	1005	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	1.00240-01	4.60000+04	9.99939-02	4.70000+04	9.99638-021005	3251	324
4.80000+04	9.99336-02	4.90000+04	9.99033-02	5.00000+04	9.98731-021005	3251	325
5.10000+04	9.98429-02	5.20000+04	9.98128-02	5.30000+04	9.97826-021005	3251	326
5.40000+04	9.97524-02	5.50000+04	9.97223-02	5.60000+04	9.96918-021005	3251	327
5.70000+04	9.96619-02	5.80000+04	9.96318-02	5.90000+04	9.96016-021005	3251	328
6.00000+04	9.95714-02	6.10000+04	9.95413-02	6.20000+04	9.95111-021005	3251	329
6.30000+04	9.94809-02	6.40000+04	9.94508-02	6.50000+04	9.94206-021005	3251	330
6.60000+04	9.93905-02	6.70000+04	9.93603-02	6.80000+04	9.93301-021005	3251	331
6.90000+04	9.93000-02	7.00000+04	9.92698-02	7.10000+04	9.92396-021005	3251	332
7.20000+04	9.92095-02	7.30000+04	9.91794-02	7.40000+04	9.91491-021005	3251	333
7.50000+04	9.91191-02	7.60000+04	9.90889-02	7.70000+04	9.90588-021005	3251	334
7.80000+04	9.90285-02	7.90000+04	8.99983-02	8.00000+04	8.99681-021005	3251	335
8.10000+04	8.99380-02	8.20000+04	8.99078-02	8.30000+04	8.98776-021005	3251	336
8.40000+04	8.98475-02	8.50000+04	8.98173-02	8.60000+04	8.97870-021005	3251	337
8.70000+04	8.97570-02	8.80000+04	8.97269-02	8.90000+04	8.96967-021005	3251	338
9.00000+04	8.96665-02	9.10000+04	8.96363-02	9.20000+04	8.96062-021005	3251	339
9.30000+04	8.95760-02	9.40000+04	8.95458-02	9.50000+04	8.95157-021005	3251	340
9.60000+04	8.94855-02	9.70000+04	8.94553-02	9.80000+04	8.94252-021005	3251	341
9.90000+04	8.93950-02	1.00000+05	8.93648-02	1.10000+05	8.93344-021005	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	8.99288-02	2.50000+05	9.99993-02	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	2.92975-01	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	2.87574-011005	3251	372
1.20000+06	2.87360-01	1.30000+06	2.87175-01	1.40000+06	2.86990-011005	3251	373
1.50000+06	2.86805-01	1.60000+06	2.86620-01	1.70000+06	2.86435-011005	3251	374
1.80000+06	2.86250-01	1.90000+06	2.86065-01	2.00000+06	2.85879-011005	3251	375
2.10000+06	2.85694-01	2.20000+06	2.85109-01	2.30000+06	2.84524-011005	3251	376
2.40000+06	2.85139-01	2.50000+06	2.84954-01	2.60000+06	2.84769-011005	3251	377
2.70000+06	2.84584-01	2.80000+06	2.84399-01	2.90000+06	2.84214-011005	3251	378
3.00000+06	2.84028-01	3.10000+06	2.83843-01	3.20000+06	2.83658-011005	3251	379
3.30000+06	2.83473-01	3.40000+06	2.83287-01	3.50000+06	2.83121-011005	3251	380
3.60000+06	2.82918-01	3.70000+06	2.82908-01	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	6.87669-011005	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	0	01005	3	403
3006.	5.9634	0	0	0	01005	3252	404
0.0	0.0	0	0	2	2721005	3252	405
	2	1	272	3	1005	3252	406
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	2.99885-011005	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	2.92625-01	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	2.33853-011005	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	2.37828-01	11005	3252	462	
8.70000+05	2.37902-01	8.80000+05	2.37975-01	8.90000+05	2.38049-01	11005	3252	463	
9.00000+05	2.38122-01	9.10000+05	2.38195-01	9.20000+05	2.38269-01	11005	3252	464	
9.30000+05	2.38342-01	9.40000+05	2.38416-01	9.50000+05	2.38489-01	11005	3252	465	
9.60000+05	2.38563-01	9.70000+05	2.38636-01	9.80000+05	2.38709-01	11005	3252	466	
9.90000+05	2.38783-01	1.00000+06	2.38856-01	1.10000+06	2.38929-01	11005	3252	467	
1.20000+06	2.40325-01	1.30000+06	2.41059-01	1.40000+06	2.41794-01	11005	3252	468	
1.50000+06	2.42528-01	1.60000+06	2.43262-01	1.70000+06	2.43997-01	11005	3252	469	
1.80000+06	2.44731-01	1.90000+06	2.45465-01	2.00000+06	2.46199-01	11005	3252	470	
2.10000+06	2.46934-01	2.20000+06	2.47698-01	2.30000+06	2.48402-01	11005	3252	471	
2.40000+06	2.49137-01	2.50000+06	2.49871-01	2.60000+06	2.50605-01	11005	3252	472	
2.70000+06	2.51340-01	2.80000+06	2.52074-01	2.90000+06	2.52808-01	11005	3252	473	
3.00000+06	2.53543-01	3.10000+06	2.54277-01	3.20000+06	2.55011-01	11005	3252	474	
3.30000+06	2.55746-01	3.40000+06	2.53546-01	3.50000+06	2.48411-01	11005	3252	475	
3.60000+06	2.43277-01	3.70000+06	2.38143-01	3.80000+06	2.33008-01	11005	3252	476	
3.90000+06	2.27874-01	4.00000+06	2.22740-01	4.10000+06	2.17530-01	11005	3252	477	
4.20000+06	2.12370-01	4.30000+06	2.07110-01	4.40000+06	2.01900-01	11005	3252	478	
4.50000+06	1.96690-01	4.60000+06	1.91480-01	4.70000+06	1.86270-01	11005	3252	479	
4.80000+06	1.81060-01	4.90000+06	1.75850-01	5.00000+06	1.70640-01	11005	3252	480	
5.10000+06	1.65430-01	5.20000+06	1.62398-01	5.30000+06	1.61544-01	11005	3252	481	
5.40000+06	1.49801-01	5.50000+06	1.59837-01	5.60000+06	1.58983-01	11005	3252	482	
5.70000+06	1.58129-01	5.80000+06	1.57276-01	5.90000+06	1.56422-01	11005	3252	483	
6.00000+06	1.55568-01	6.10000+06	1.54714-01	6.20000+06	1.53961-01	11005	3252	484	
6.30000+06	1.53007-01	6.40000+06	1.51249-01	6.50000+06	1.48133-01	11005	3252	485	
6.60000+06	1.45018-01	6.70000+06	1.41907-01	6.80000+06	1.38787-01	11005	3252	486	
6.90000+06	1.35672-01	7.00000+06	1.32556-01	7.10000+06	1.29441-01	11005	3252	487	
7.20000+06	1.26325-01	7.30000+06	1.23210-01	7.40000+06	1.20095-01	11005	3252	488	
7.50000+06	1.16979-01	7.60000+06	1.15333-01	7.70000+06	1.14667-01	11005	3252	489	
7.80000+06	1.14000-01	7.90000+06	1.13333-01	8.00000+06	1.12667-01	11005	3252	490	
8.10000+06	1.12000-01	8.20000+06	1.11334-01	8.30000+06	1.10667-01	11005	3252	491	
8.40000+06	1.10000-01	8.50000+06	1.09334-01	8.60000+06	1.08667-01	11005	3252	492	
8.70000+06	1.08000-01	8.80000+06	1.07334-01	8.90000+06	1.06668-01	11005	3252	493	
9.00000+06	1.06000-01	9.10000+06	1.05335-01	9.20000+06	1.04668-01	11005	3252	494	
9.30000+06	1.04000-01	9.40000+06	1.03335-01	9.50000+06	1.02668-01	11005	3252	495	
9.60000+06	1.02000-01	9.70000+06	1.01335-01	9.80000+06	1.00669-01	11005	3252	496	
9.90000+06	1.00000-01	1.00000+07	9.93355-02			1005	3252	497	
0.0	0.0	0.0	0	0	0	01005	3	498	
0.0	0.0	0.0	0	0	0	01005	0	499	
0.00600+03	5.96340+00		1	1	0	01005	4	500	
0.0	5.96340+00		0	2	100	91005	4	501	
1.00000+00	1.11793-01	5.64675-03	7.27268-09	0.	0.	1005	4	502	
0.	0.	0.	0.	0.	0.	9.83128-01	11005	4	503
1.99603-01	1.92820-02	9.05124-04	2.24555-05	9.33512-07	0.	1005	4	504	
0.	0.	0.	-1.09099-01	9.56152-01	2.81181-01	11005	4	505	
3.97808-02	3.26351-03	1.66500-04	2.97735-06	3.27749-07	3.04771-09	11005	4	506	
0.	1.64326-02	-1.92492-01	9.15232-01	3.56755-01	6.65471-02	11005	4	507	
7.60584-03	5.79766-04	2.71173-05	1.23690-06	0.	-2.62219-03	11005	4	508	
3.69008-02	-2.67236-01	8.62117-01	4.25371-01	9.88728-02	1.43975-02	11005	4	509	
1.44813-03	1.00786-04	0.	4.27318-04	-6.87680-03	6.25632-02	11005	4	510	
-3.34041-01	7.97712-01	4.85836-01	1.35912-01	2.40232-02	2.98952-03	11005	4	511	
0.	-7.03365-05	1.25819-03	-1.33873-02	9.28342-02	-3.92173-01	11005	4	512	
7.23475-01	5.37015-01	1.76687-01	3.67721-02	0.	1.16417-05	1035	4	513	
-2.27240-04	2.72409-03	-2.24948-02	1.26831-01	-4.40738-01	6.40961-01	11005	4	514	
5.77934-01	2.20109-01	0.	-1.93339-06	4.06467-05	-5.36492-04	1005	4	515	
5.04861-03	-3.44183-02	1.63526-01	-4.78941-01	5.51885-01	0.	1005	4	516	
0.	3.21801-07	-7.17961-06	1.03285-04	-1.07828-03	8.45993-03	11005	4	517	
-4.92615-02	2.01800-01	-5.06180-01	4.58083-01			1005	4	518	
0.	0.	0	0	1	161005	4	519		
0.	16	3			1005	4	520		
0.	10.00000+03	0	0	9	01005	4	521		
0.0	0.0	0.0	0.0	0.0	0.0	1005	4	522	
0.0	0.0	0.0				1005	4	523	
0.	2.10000+05	0	0	9	01005	4	524		
-5.01594-02	1.00436-01	-8.94592-03	-8.32213-04	4.13362-05	-7.02119-05	11005	4	525	
1.39201-03	-9.74754-04	-3.18901-04				1005	4	526	
0.	2.25000+05	0	0	9	01005	4	527		
-7.04024-02	9.55867-02	-1.28675-02	5.85199-03	-3.61918-04	1.78458-04	11005	4	528	
-2.36533-04	-8.80041-05	1.80448-04				1005	4	529	
0.	2.35000+05	0	0	9	01005	4	530		
-2.22332-02	1.00094-01	3.87783-04	1.08178-02	6.56087-04	7.60187-05	11005	4	531	
2.39666-04	2.84256-04	-5.52297-06				1005	4	532	
0.	2.45000+05	0	0	9	01005	4	533		
2.04693-03	1.20670-01	9.61335-03	1.97197-02	4.76356-03	2.25113-03	11005	4	534	
2.19244-03	8.48165-04	7.96028-04				1005	4	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
-2.12343-03	-2.72422-03	2.49668-03			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	3.93193-01	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.	1.40000+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
-1.60531-02	-7.98441-03	1.43348-03			1005	4	2	568	
0.	0.	0	0	0	01005	4	2	569	
3006.	5.9634	0	2	0	01005	4	4	570	
0.0	0.0	0	2	0	01005	4	4	571	
0.0	0.0	0	0	1	21005	4	4	572	
0.0	2	2	0	0	1005	4	4	573	
0.0	4.158 F+06	0	0	1	21005	4	4	574	
-1.0	0.5	1.0	0.5		1005	4	4	575	
0.0	1.5 F+07	0	0	1	21005	4	4	576	
-1.0	0.5	1.0	0.5		1005	4	4	577	
0.0	0.5	1.0	0.5		1005	4	4	578	
0.0	0.5	1.0	0.5		1005	4	4	579	
0.0	0.5	1.0	0.5		1005	4	4	580	
3006.	5.9634	0	2	0	01005	4	22	581	
0.0	0.0	0	1	0	01005	4	22	582	
0.0	0.0	0	0	1	141005	4	22	583	
0.	14	2	0	1	1005	4	22	584	
0.	1.7180F+06	0	0	1	111005	4	22	585	
-1.0000E+00	3.0530E-01	-8.0000E-01	3.0940E-01	-6.0000E-01	3.2620E-01	1005	4	22	586
-4.0000E-01	3.6960E-01	-2.0000E-01	4.2910E-01	0.	5.0220E-01	1005	4	22	587
2.0000E-01	5.7210E-01	4.0000E-01	6.2520E-01	6.0000E-01	6.6690E-01	1005	4	22	588
8.0000E-01	6.9510E-01	1.0000E+00	7.0310E-01			1005	4	22	589
0.	4.4000E+06	0	0	1	111005	4	22	590	
-1.0000E+00	2.2660E-01	-8.0000E-01	2.3820E-01	-6.0000E-01	2.5570E-01	1005	4	22	591
-4.0000E-01	2.8470E-01	-2.0000E-01	3.2540E-01	0.	3.9510E-01	1005	4	22	592
2.0000E-01	4.8810E-01	4.0000E-01	6.0430E-01	6.0000E-01	7.7860E-01	1005	4	22	593
8.0000E-01	9.8780E-01	1.0000E+00	1.0575E+00			1005	4	22	594
0.	5.1000E+06	0	0	1	111005	4	22	595	
-1.0000E+00	2.6940E-01	-8.0000E-01	2.6440E-01	-6.0000E-01	2.8470E-01	1005	4	22	596
-4.0000E-01	3.1520E-01	-2.0000E-01	3.6600E-01	0.	4.3720E-01	1005	4	22	597
2.0000E-01	5.1860E-01	4.0000E-01	6.2020E-01	6.0000E-01	7.4220E-01	1005	4	22	598
8.0000E-01	8.6430E-01	1.0000E+00	9.0490E-01			1005	4	22	599
0.	5.4000E+06	0	0	1	111005	4	22	600	
-1.0000E+00	2.0200E-01	-8.0000E-01	2.0200E-01	-6.0000E-01	2.2100E-01	1005	4	22	601
-4.0000E-01	2.8410E-01	-2.0000E-01	3.9140E-01	0.	5.0510E-01	1005	4	22	602
2.0000E-01	6.1870E-01	4.0000E-01	7.1970E-01	6.0000E-01	7.7020E-01	1005	4	22	603
8.0000E-01	7.8910E-01	1.0000E+00	7.9550E-01			1005	4	22	604
0.	5.8000E+06	0	0	1	111005	4	22	605	

11	2				1005	4	22	610	
-1.0000E+00	1.5130E-01	-8.0000E-01	1.9550E-01	-6.0000E-01	2.5220E-01	11005	4	22	611
-4.0000E-01	3.1530E-01	-2.0000E-01	3.7830E-01	0.	4.4140E-01	11005	4	22	612
2.0000E-01	5.1700E-01	4.0000E-01	6.6200E-01	6.0000E-01	8.1970E-01	11005	4	22	613
8.0000E-01	8.9530E-01	1.0000E+00	8.9530E-01			1005	4	22	614
0.	6.5000E+06	0	0	1		111005	4	22	615
11	2				1005	4	22	616	
-1.0000E+00	2.3860E-01	-8.0000E-01	2.6450E-01	-6.0000E-01	3.0080E-01	11005	4	22	617
-4.0000E-01	3.4230E-01	-2.0000E-01	3.8380E-01	0.	4.3050E-01	11005	4	22	618
2.0000E-01	4.7720E-01	4.0000E-01	5.3420E-01	6.0000E-01	6.2240E-01	11005	4	22	619
8.0000E-01	9.6470E-01	1.0000E+00	1.1203E+00			1005	4	22	620
0.	7.0000E+06	0	0	1		111005	4	22	621
11	2				1005	4	22	622	
-1.0000E+00	2.2350E-01	-8.0000E-01	2.4070E-01	-6.0000E-01	2.7510E-01	11005	4	22	623
-4.0000E-01	3.1520E-01	-2.0000E-01	3.6680E-01	0.	4.2410E-01	11005	4	22	624
2.0000E-01	4.9280E-01	4.0000E-01	5.7310E-01	6.0000E-01	6.6480E-01	11005	4	22	625
8.0000E-01	9.3980E-01	1.0000E+00	1.1920E+00			1005	4	22	626
0.	7.5000E+06	0	0	1		111005	4	22	627
11	2				1005	4	22	628	
-1.0000E+00	1.8620E-01	-8.0000E-01	2.1280E-01	-6.0000E-01	2.5270E-01	11005	4	22	629
-4.0000E-01	2.9260E-01	-2.0000E-01	3.4570E-01	0.	4.2550E-01	11005	4	22	630
2.0000E-01	5.1860E-01	4.0000E-01	6.3160E-01	6.0000E-01	8.9760E-01	11005	4	22	631
8.0000E-01	8.7770E-01	1.0000E+00	9.0430E-01			1005	4	22	632
0.	8.0000E+06	0	0	1		111005	4	22	633
11	2				1005	4	22	634	
-1.0000E+00	2.1980E-01	-8.0000E-01	2.4730E-01	-6.0000E-01	2.8850E-01	11005	4	22	635
-4.0000E-01	3.4340E-01	-2.0000E-01	4.0520E-01	0.	4.7390E-01	11005	4	22	636
2.0000E-01	5.4950E-01	4.0000E-01	6.3190E-01	6.0000E-01	7.2800E-01	11005	4	22	637
8.0000E-01	8.1040E-01	1.0000E+00	8.2420E-01			1005	4	22	638
0.	9.3000E+06	0	0	1		111005	4	22	639
11	2				1005	4	22	640	
-1.0000E+00	2.3180E-01	-8.0000E-01	2.3180E-01	-6.0000E-01	2.4010E-01	11005	4	22	641
-4.0000E-01	2.4830E-01	-2.0000E-01	2.6490E-01	0.	3.5600E-01	11005	4	22	642
2.0000E-01	5.1320E-01	4.0000E-01	6.9540E-01	6.0000E-01	8.7750E-01	11005	4	22	643
8.0000E-01	9.6030E-01	1.0000E+00	9.9340E-01			1005	4	22	644
0.	1.0600E+07	0	0	1		111005	4	22	645
11	2				1005	4	22	646	
-1.0000E+00	1.5150E-01	-8.0000E-01	1.6100E-01	-6.0000E-01	1.8940E-01	11005	4	22	647
-4.0000E-01	2.5570E-01	-2.0000E-01	3.7880E-01	0.	5.3030E-01	11005	4	22	648
2.0000E-01	6.5340E-01	4.0000E-01	7.5760E-01	6.0000E-01	8.1440E-01	11005	4	22	649
8.0000E-01	8.0490E-01	1.0000E+00	7.5760E-01			1005	4	22	650
0.	1.2000E+07	0	0	1		111005	4	22	651
11	2				1005	4	22	652	
-1.0000E+00	2.9850E-01	-8.0000E-01	3.0730E-01	-6.0000E-01	3.1610E-01	11005	4	22	653
-4.0000E-01	3.3360E-01	-2.0000E-01	3.6870E-01	0.	4.2140E-01	11005	4	22	654
2.0000E-01	4.9170E-01	4.0000E-01	5.9700E-01	6.0000E-01	7.3750E-01	11005	4	22	655
8.0000E-01	8.4280E-01	1.0000E+00	8.6920E-01			1005	4	22	656
0.	1.4000E+07	0	0	1		111005	4	22	657
11	2				1005	4	22	658	
-1.0000E+00	3.7660E-01	-8.0000E-01	3.7660E-01	-6.0000E-01	3.8700E-01	11005	4	22	659
-4.0000E-01	4.0790E-01	-2.0000E-01	4.3930E-01	0.	4.8120E-01	11005	4	22	660
2.0000E-01	5.2300E-01	4.0000E-01	5.9620E-01	6.0000E-01	6.2760E-01	11005	4	22	661
8.0000E-01	6.4850E-01	1.0000E+00	6.4850E-01			1005	4	22	662
0.	1.5000E+07	0	0	1		111005	4	22	663
11	2				1005	4	22	664	
-1.0000E+00	4.0720E-01	-8.0000E-01	4.1500E-01	-6.0000E-01	4.2600E-01	11005	4	22	665
-4.0000E-01	4.4500E-01	-2.0000E-01	4.7100E-01	0.	5.0050E-01	11005	4	22	666
2.0000E-01	5.3200E-01	4.0000E-01	5.5500E-01	6.0000E-01	5.7300E-01	11005	4	22	667
8.0000E-01	5.8450E-01	1.0000E+00	5.8900E-01			1005	4	22	668
3006.	5.9634	0	2	0		01005	4	24	669
0.0	0.0	0	1	0		01005	4	24	671
0.0	0.0	0	0	1		21005	4	24	672
2	2					1005	4	24	673
0.0	6.614 F+06	0	0	1		21005	4	24	674
2	2					1005	4	24	675
-1.0	0.5	1.0	0.5			1005	4	24	676
0.0	1.5 F+07	0	0	1		21005	4	24	677
2	2					1005	4	24	678
-1.0	0.5	1.0	0.5			1005	4	24	679
						1005	4	0	680
						1005	0	0	681
3006.	5.9634	0	0	3		01005	5	22	682
0.0	1.471 F+06	0	3	1		21005	5	22	683

1.718	F+06	1.0	3.0	F+06	1.0				1005	5	22	684	
0.0		0.0			0		5	1	1005	5	22	685	
									21005	5	22	686	
									1005	5	22	687	
3.0	F+06	1.0	4.1	F+06	1.0				1005	5	22	688	
0.0		0.0			0		0	1	21005	5	22	689	
									1005	5	22	690	
3.0	F+06	3.0	F+06	4.1	F+06	4.1	F+06		1005	5	22	691	
0.0		0.0			0		0	1	41005	5	22	692	
									1005	5	22	693	
0.0	F+00	2.5	0.3	F+00	2.5		0.5	F+00	0.0	1005	5	22	694
1.0	F+00	0.0							1005	5	22	695	
0.0		0.0			0		1	1	21005	5	22	696	
									1005	5	22	697	
4.1	F+06	1.0	1.5	F+07	1.0				1005	5	22	698	
0.0		0.0			0		0	1	241005	5	22	699	
									1005	5	22	700	
0.0		4.1	F+06		0		0	1	141005	5	22	701	
									1005	5	22	702	
0.		4.6250E-07	2.0000E+05	4.8420E-07	4.0000E+05	5.0330E-07	1005	5	22	703			
6.0000E+05		5.1650E-07	8.0000E+05	5.2410E-07	1.0000E+06	5.2270E-07	1005	5	22	704			
1.2000E+06		5.1140E-07	1.4000E+06	4.7610E-07	1.6000E+06	4.1350E-07	1005	5	22	705			
1.8000E+06		3.3910E-07	2.0000E+06	2.4480E-07	2.2000E+06	1.3420E-07	1005	5	22	706			
2.4000E+06		7.4400E-08	2.6000E+06	4.9000E-08			1005	5	22	707			
0.0		4.75	F+06		0		1	141005	5	22	708		
									1005	5	22	709	
0.		4.6250E-07	2.0000E+05	4.8420E-07	4.0000E+05	5.0330E-07	1005	5	22	710			
6.0000E+05		5.1650E-07	8.0000E+05	5.2410E-07	1.0000E+06	5.2270E-07	1005	5	22	711			
1.2000E+06		5.1140E-07	1.4000E+06	4.7610E-07	1.6000E+06	4.1350E-07	1005	5	22	712			
1.8000E+06		3.3910E-07	2.0000E+06	2.4480E-07	2.2000E+06	1.3420E-07	1005	5	22	713			
2.4000E+06		7.4400E-08	2.6000E+06	4.9000E-08			1005	5	22	714			
0.0		4.75	F+06		0		1	161005	5	22	715		
									1005	5	22	716	
0.		3.0580E-07	2.0000E+05	3.3800E-07	4.0000E+05	3.6540E-07	1005	5	22	717			
6.0000E+05		3.8950E-07	8.0000E+05	4.0720E-07	1.0000E+06	4.2330E-07	1005	5	22	718			
1.2000E+06		4.2730E-07	1.4000E+06	4.2010E-07	1.6000E+06	3.9110E-07	1005	5	22	719			
1.8000E+06		3.4280E-07	2.0000E+06	3.0580E-07	2.2000E+06	2.5590E-07	1005	5	22	720			
2.4000E+06		2.4380E-07	2.6000E+06	2.2530E-07	2.8000E+06	2.1080E-07	1005	5	22	721			
3.0000E+06		2.0120E-07					1005	5	22	722			
0.0		5.25	F+06		0		1	161005	5	22	723		
									1005	5	22	724	
0.		3.0580E-07	2.0000E+05	3.3800E-07	4.0000E+05	3.6540E-07	1005	5	22	725			
6.0000E+05		3.8950E-07	8.0000E+05	4.0720E-07	1.0000E+06	4.2330E-07	1005	5	22	726			
1.2000E+06		4.2730E-07	1.4000E+06	4.2010E-07	1.6000E+06	3.9110E-07	1005	5	22	727			
1.8000E+06		3.4280E-07	2.0000E+06	3.0580E-07	2.2000E+06	2.5590E-07	1005	5	22	728			
2.4000E+06		2.4380E-07	2.6000E+06	2.2530E-07	2.8000E+06	2.1080E-07	1005	5	22	729			
3.0000E+06		2.0120E-07					1005	5	22	730			
0.0		5.25	F+06		0		1	191005	5	22	731		
									1005	5	22	732	
0.		1.8430E-07	2.0000E+05	2.9730E-07	4.0000E+05	3.7660E-07	1005	5	22	733			
6.0000E+05		4.2410E-07	8.0000E+05	4.5390E-07	1.0000E+06	4.6580E-07	1005	5	22	734			
1.2000E+06		4.5880E-07	1.4000E+06	4.2220E-07	1.6000E+06	3.6170E-07	1005	5	22	735			
1.8000E+06		3.0320E-07	2.0000E+06	2.5770E-07	2.2000E+06	2.2200E-07	1005	5	22	736			
2.4000E+06		1.9230E-07	2.6000E+06	1.6650E-07	2.8000E+06	1.4470E-07	1005	5	22	737			
3.0000E+06		1.2490E-07	3.2000E+06	1.0700E-07	3.4000E+06	9.1200E-08	1005	5	22	738			
3.6000E+06		7.6300E-08					1005	5	22	739			
0.0		5.60	F+06		0		1	191005	5	22	740		
									1005	5	22	741	
0.		1.8430E-07	2.0000E+05	2.9730E-07	4.0000E+05	3.7660E-07	1005	5	22	742			
6.0000E+05		4.2410E-07	8.0000E+05	4.5390E-07	1.0000E+06	4.6580E-07	1005	5	22	743			
1.2000E+06		4.5880E-07	1.4000E+06	4.2220E-07	1.6000E+06	3.6170E-07	1005	5	22	744			
1.8000E+06		3.0320E-07	2.0000E+06	2.5770E-07	2.2000E+06	2.2200E-07	1005	5	22	745			
2.4000E+06		1.9230E-07	2.6000E+06	1.6650E-07	2.8000E+06	1.4470E-07	1005	5	22	746			
3.0000E+06		1.2490E-07	3.2000E+06	1.0700E-07	3.4000E+06	9.1200E-08	1005	5	22	747			
3.6000E+06		7.6300E-08					1005	5	22	748			
0.0		5.60	F+06		0		1	211005	5	22	749		
									1005	5	22	750	
0.		1.9650E-07	2.0000E+05	2.5590E-07	4.0000E+05	3.0060E-07	1005	5	22	751			
6.0000E+05		3.3080E-07	8.0000E+05	3.5030E-07	1.0000E+06	3.5800E-07	1005	5	22	752			
1.2000E+06		3.6100E-07	1.4000E+06	3.6100E-07	1.6000E+06	3.5710E-07	1005	5	22	753			
1.8000E+06		3.4640E-07	2.0000E+06	3.2890E-07	2.2000E+06	3.0060E-07	1005	5	22	754			
2.4000E+06		2.6460E-07	2.6000E+06	2.2860E-07	2.8000E+06	1.9460E-07	1005	5	22	755			
3.0000E+06		1.6440E-07	3.2000E+06	1.3520E-07	3.4000E+06	1.0700E-07	1005	5	22	756			
3.6000E+06		8.1700E-08	3.8000E+06	5.7400E-08	4.0000E+06	3.5000E-08	1005	5	22	757			

0.0	6.15	F+06	0	0	1	211005	5	22	75R
	21	2				1005	5	22	750
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	
1.8000F+06	3.4640F-07	2.0000E+06	3.2890E-07	2.2000F+06	3.0060E-071005	5	22	763	
2.4000F+06	2.6460E-07	2.6000E+06	2.2860E-07	2.8000F+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	76R
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	8.0000E+05	2.6460E-07	1.0000E+06	2.7430F-071005	5	22	770	
1.2000F+06	2.8230F-07	1.4000E+06	2.8850F-07	1.6000F+06	2.9300F-071005	5	22	771	
1.8000F+06	2.9650F-07	2.0000E+06	2.9740F-07	2.2000E+06	2.9650E-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	3.2000E+06	2.4500F-07	3.4000E+06	2.2020E-071005	5	22	774	
3.6000E+06	1.9350E-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	77R	
6.0000F+05	2.4860F-07	8.0000E+05	2.6460F-07	1.0000E+06	2.7430F-071005	5	22	779	
1.2000F+06	2.8230F-07	1.4000E+06	2.8850F-07	1.6000F+06	2.9300F-071005	5	22	780	
1.8000F+06	2.9650F-07	2.0000E+06	2.9740F-07	2.2000F+06	2.9650F-071005	5	22	781	
2.4000F+06	2.9300F-07	2.6000E+06	2.8850F-07	2.8000E+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	78R
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	2.3840E-07	2.0000E+06	2.3930F-071005	5	22	789	
2.2500E+06	2.3960E-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	3.5000F+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	8.6500E-08	4.7500E+06	6.2600E-08	5.0000E+06	5.1500E-081005	5	22	793	
0.0	7.75	F+06	0	0	1	211005	5	22	794
	21	2				1005	5	22	79R
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	1.0000E+06	2.2550F-07	1.2500F+06	2.3190E-071005	5	22	797	
1.5000F+06	2.3650E-07	1.7500E+06	2.3840F-07	2.0000F+06	2.3930F-071005	5	22	79R	
2.2500F+06	2.3960F-07	2.5000E+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	4.2500F+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	7.75	F+06	0	0	1	211005	5	22	803
	12	2				1005	5	22	804
0.	9.0400F-08	5.0000F+05	1.3990E-07	1.0000F+06	2.1530E-071005	5	22	805	
1.5000F+06	2.4110F-07	2.0000E+06	2.4540F-07	2.5000E+06	2.4540E-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	211005	5	22	809
	12	2				1005	5	22	810
0.	9.0400E-08	5.0000E+05	1.3990E-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	2.2280E-07	4.0000E+06	1.9380E-071005	5	22	813	
4.5000F+06	1.4750E-07	5.0000E+06	5.6000E-08	5.5000F+06	1.7200E-081005	5	22	814	
0.0	7.75	F+06	0	0	1	211005	5	22	815
	12	2				1005	5	22	81R
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	2.0000E+06	2.0800F-07	2.5000E+06	2.1010E-071005	5	22	81R	
3.0000F+06	2.0800F-07	3.5000E+06	2.0690F-07	4.0000E+06	1.9630E-071005	5	22	819	
4.5000F+06	1.7400E-07	5.0000E+06	1.1670E-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	211005	5	22	822
	12	2				1005	5	22	823
0.	1.0610F-07	5.0000E+05	1.6340F-07	1.0000E+06	1.8890E-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	2.0690E-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	82R	
0.0	8.65	F+06	0	0	1	211005	5	22	829
	15	2				1005	5	22	830
0.	1.1130F-07	5.0000E+05	1.2940F-07	1.0000F+06	1.4470E-071005	5	22	831	

1.5000E+06	1.5730E-07	2.0000E+06	1.6700E-07	2.5000E+06	1.7260E-07	1005	5	22	832
3.0000E+06	1.7540E-07	3.5000E+06	1.7540E-07	4.0000E+06	1.7260E-07	1005	5	22	833
4.5000E+06	1.6560E-07	5.0000E+06	1.5310E-07	5.5000E+06	1.3360E-07	1005	5	22	834
6.0000E+06	1.0580E-07	6.5000E+06	7.1000E-08	7.0000E+06	4.1800E-08	1005	5	22	835
0.0	1.0 F+07	0	0	1	151005	5	22	836	
15	?	?			1005	5	22	837	
0.	1.1130E-07	5.0000E+05	1.2940E-07	1.0000E+06	1.4470E-07	1005	5	22	838
1.5000E+06	1.5730E-07	2.0000E+06	1.6700E-07	2.5000E+06	1.7260E-07	1005	5	22	839
3.0000E+06	1.7540E-07	3.5000E+06	1.7540E-07	4.0000E+06	1.7260E-07	1005	5	22	840
4.5000E+06	1.6560E-07	5.0000E+06	1.5310E-07	5.5000E+06	1.3360E-07	1005	5	22	841
6.0000E+06	1.0580E-07	6.5000E+06	7.1000E-08	7.0000E+06	4.1800E-08	1005	5	22	842
0.0	1.0 F+07	0	0	1	181005	5	22	843	
18	?	?			1005	5	22	844	
0.	6.3100E-08	5.0000E+05	1.0360E-07	1.0000E+06	1.3520E-07	1005	5	22	845
1.5000E+06	1.5920E-07	2.0000E+06	1.7270E-07	2.5000E+06	1.7420E-07	1005	5	22	846
3.0000E+06	1.6820E-07	3.5000E+06	1.6070E-07	4.0000E+06	1.5020E-07	1005	5	22	847
4.5000E+06	1.4570E-07	5.0000E+06	1.2620E-07	5.5000E+06	1.1120E-07	1005	5	22	848
6.0000E+06	9.6100E-08	6.5000E+06	8.1100E-08	7.0000E+06	6.6100E-08	1005	5	22	849
7.5000E+06	5.4100E-08	8.0000E+06	4.5100E-08	8.5000E+06	3.7600E-08	1005	5	22	850
0.0	1.12 F+07	0	0	1	181005	5	22	851	
18	?	?			1005	5	22	852	
0.	6.3100E-08	5.0000E+05	1.0360E-07	1.0000E+06	1.3520E-07	1005	5	22	853
1.5000E+06	1.5920E-07	2.0000E+06	1.7270E-07	2.5000E+06	1.7420E-07	1005	5	22	854
3.0000E+06	1.6820E-07	3.5000E+06	1.6070E-07	4.0000E+06	1.5020E-07	1005	5	22	855
4.5000E+06	1.4570E-07	5.0000E+06	1.2620E-07	5.5000E+06	1.1120E-07	1005	5	22	856
6.0000E+06	9.6100E-08	6.5000E+06	8.1100E-08	7.0000E+06	6.6100E-08	1005	5	22	857
7.5000E+06	5.4100E-08	8.0000E+06	4.5100E-08	8.5000E+06	3.7600E-08	1005	5	22	858
0.0	1.12 F+07	0	0	1	201005	5	22	859	
20	?	?			1005	5	22	860	
0.	4.0600E-08	5.0000E+05	6.9500E-08	1.0000E+06	9.2700E-08	1005	5	22	861
1.5000E+06	1.0720E-07	2.0000E+06	1.1590E-07	2.5000E+06	1.2170E-07	1005	5	22	862
3.0000E+06	1.2450E-07	3.5000E+06	1.2600E-07	4.0000E+06	1.2740E-07	1005	5	22	863
4.5000E+06	1.2800E-07	5.0000E+06	1.2740E-07	5.5000E+06	1.2690E-07	1005	5	22	864
6.0000E+06	1.2450E-07	6.5000E+06	1.2020E-07	7.0000E+06	1.1590E-07	1005	5	22	865
7.5000E+06	1.1010E-07	8.0000E+06	9.9900E-08	8.5000E+06	8.1100E-08	1005	5	22	866
9.0000E+06	4.9200E-08	9.5000E+06	2.3200E-08		1005	5	22	867	
0.0	1.3 F+07	0	0	1	201005	5	22	868	
20	?	?			1005	5	22	869	
0.	4.0600E-08	5.0000E+05	6.9500E-08	1.0000E+06	9.2700E-08	1005	5	22	870
1.5000E+06	1.0720E-07	2.0000E+06	1.1590E-07	2.5000E+06	1.2170E-07	1005	5	22	871
3.0000E+06	1.2450E-07	3.5000E+06	1.2600E-07	4.0000E+06	1.2740E-07	1005	5	22	872
4.5000E+06	1.2800E-07	5.0000E+06	1.2740E-07	5.5000E+06	1.2690E-07	1005	5	22	873
6.0000E+06	1.2450E-07	6.5000E+06	1.2020E-07	7.0000E+06	1.1590E-07	1005	5	22	874
7.5000E+06	1.1010E-07	8.0000E+06	9.9900E-08	8.5000E+06	8.1100E-08	1005	5	22	875
9.0000E+06	4.9200E-08	9.5000E+06	2.3200E-08		1005	5	22	876	
0.0	1.3 F+07	0	0	1	241005	5	22	877	
24	?	?			1005	5	22	878	
0.	5.5900E-08	5.0000E+05	7.5000E-08	1.0000E+06	8.7300E-08	1005	5	22	879
1.5000E+06	9.4200E-08	2.0000E+06	9.8800E-08	2.5000E+06	1.0260E-07	1005	5	22	880
3.0000E+06	1.0410E-07	3.5000E+06	1.0180E-07	4.0000E+06	9.8000E-08	1005	5	22	881
4.5000E+06	9.3400E-08	5.0000E+06	8.8800E-08	5.5000E+06	8.5700E-08	1005	5	22	882
6.0000E+06	8.5700E-08	6.5000E+06	9.1900E-08	7.0000E+06	1.0720E-07	1005	5	22	883
7.5000E+06	1.1480E-07	8.0000E+06	1.1020E-07	8.5000E+06	9.9500E-08	1005	5	22	884
9.0000E+06	8.6500E-08	9.5000E+06	7.4300E-08	1.0000E+07	6.2800E-08	1005	5	22	885
1.0500E+07	5.2100E-08	1.1000E+07	4.1300E-08	1.1500E+07	3.2200E-08	1005	5	22	886
0.0	1.5 F+07	0	0	1	241005	5	22	887	
24	?	?			1005	5	22	888	
0.	5.5900E-08	5.0000E+05	7.5000E-08	1.0000E+06	8.7300E-08	1005	5	22	889
1.5000E+06	9.4200E-08	2.0000E+06	9.8800E-08	2.5000E+06	1.0260E-07	1005	5	22	890
3.0000E+06	1.0410E-07	3.5000E+06	1.0180E-07	4.0000E+06	9.8000E-08	1005	5	22	891
4.5000E+06	9.3400E-08	5.0000E+06	8.8800E-08	5.5000E+06	8.5700E-08	1005	5	22	892
6.0000E+06	8.5700E-08	6.5000E+06	9.1900E-08	7.0000E+06	1.0720E-07	1005	5	22	893
7.5000E+06	1.1480E-07	8.0000E+06	1.1020E-07	8.5000E+06	9.9500E-08	1005	5	22	894
9.0000E+06	8.6500E-08	9.5000E+06	7.4300E-08	1.0000E+07	6.2800E-08	1005	5	22	895
1.0500E+07	5.2100E-08	1.1000E+07	4.1300E-08	1.1500E+07	3.2200E-08	1005	5	22	896
3006.	5.9624	0	0	2	01005	5	24	898	
0.0	6.26486E+6	0	3	1	21005	5	24	899	
?	?	?			1005	5	24	900	
6.614 F+06	1.0	1.5 F+07	1.0		1005	5	24	901	
0.0	6.26486E+6	0	3	1	21005	5	24	902	
?	?	?			1005	5	24	903	
6.614 F+06	1.0	1.5 F+07	1.0		1005	5	24	904	
					1005	5	0	905	
					1005	0	0	906	
					0	0	0	907	

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	1	21006 4 24CH609

AND INSERTING THE FOLLOWING THREE CARDS AFTER CARD 611

0.0	1.5	F+07	0	0	1	21006 4 241A611
	?	?				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. 1006 1451 3
 DATA FOR LI-7 FOR NEUTRONS IN THE ENRGY RANGE 0.001 EV TO 15 MEV, 1006 1451 4
 AWRP DATA -- DATA FILE NUMBER (DFN) 215. AS PER AWRP REPORT NO. 1006 1451 5
 O-55/65 AND O-61/64. 1006 1451 6
 DATA FOR MU-BAR AND XI (MF=3, MT=251,252) FROM H. ALTER OF AI. 1006 1451 7
 ANGULAR DISTRIBUTION FOR ELASTIC SCATTER (MF=4, MT=2) FROM H. ALTER 1006 1451 8
 EXCEPT THAT AWRP CHANGED FROM 6.9555 TO 6.9557. ALL DATA FROM 1006 1451 9
 ALTER WERE BY PRIVATE COMMUNICATION. 1006 1451 10
 ENRGY DISTRIBUTION FOR (N,2N) AND (N,2N)ALPHA REACTIONS (MF=5, MT=1006 1451 11
 =16,24) CHANGED FROM AWRP LAW 2 WITH VARIOUS REDUCTION FACTORS, TO 1006 1451 12
 ENDF/B LAW 3, WHICH HAS NO REDUCTION FACTORS. THE SAME FOR (N,N-1) 1006 1451 13
 ALPHA (MT=22) FROM 2.821 TO 4.3 MEV. 1006 1451 14
 1006 1451 15
 1006 1451 16
 1006 1451 17
 INTERPOLATION BETWEEN TABULATED ENERGIES FOR CROSS SECTIONS FOR 1006 1451 18
 ALL REACTIONS IS LN(SIGMA)LINEAR IN LN(E). 1006 1451 19
 PLEASE REFER ALL QUESTIONS OR COMMENTS REGARDING THESE DATA TO 1006 1451 20
 P. J. LARAUVE 1006 1451 21
 UNIVERSITY OF CALIF., LOS ALAMOS SCIENTIFIC LABORATORY 1006 1451 22
 P.O. BOX 1663 1006 1451 23
 LOS ALAMOS, NM 87544 1006 1451 24
 1006 1 0 25
 1006 0 0 26

3007.	6.9557		0	0	0	01006 2 1	27
0.0	0.0		0	0	1	1061006 2 1	28
	106	5				1006 2 1	29

1.0000E-03	1.2210E+00	2.0000E-03	1.1730E+00	3.0000E-03	1.1510E+00	1006 3 1	30
4.0000E-03	1.1370E+00	5.0000E-03	1.1280E+00	6.0000E-03	1.1220E+00	1006 3 1	31
7.0000E-03	1.1170E+00	8.0000E-03	1.1120E+00	9.0000E-03	1.1090E+00	1006 3 1	32
1.0000E-02	1.1060E+00	2.0000E-02	1.0900E+00	2.5000E-02	1.0860E+00	1006 3 1	33
1.0000E-01	1.0680E+00	1.0000E+00	1.0550E+00	1.0000E+01	1.0510E+00	1006 3 1	34
1.0000E+02	1.0500E+00	1.0000E+03	1.0500E+00	1.0000E+04	1.0500E+00	1006 3 1	35
1.0000E+05	9.2990E-01	1.3000E+05	9.6000E-01	1.5000E+05	1.0500E+00	1006 3 1	36
1.7000E+05	1.2000E+00	1.8500E+05	1.3800E+00	2.0000E+05	1.7000E+00	1006 3 1	37
2.1000E+05	2.0300E+00	2.2000E+05	2.5000E+00	2.3000E+05	4.5000E+00	1006 3 1	38
2.4000E+05	6.3000E+00	2.5000E+05	1.0500E+01	2.5800E+05	1.0900E+01	1006 3 1	39
2.6000E+05	1.0500E+01	2.7000E+05	6.8000E+00	2.8000E+05	4.7500E+00	1006 3 1	40
2.9000E+05	3.6000E+00	3.0000E+05	2.7200E+00	3.1000E+05	2.2500E+00	1006 3 1	41
3.2000E+05	2.0500E+00	3.3000E+05	1.8000E+00	3.4000E+05	1.6000E+00	1006 3 1	42
3.5000E+05	1.4600E+00	3.6000E+05	1.3800E+00	3.7000E+05	1.3200E+00	1006 3 1	43
3.8000E+05	1.2800E+00	3.9000E+05	1.2500E+00	4.0000E+05	1.2300E+00	1006 3 1	44
4.5000E+05	1.1200E+00	5.0000E+05	1.0700E+00	5.3000E+05	1.0600E+00	1006 3 1	45
5.5000E+05	1.0680E+00	6.0000E+05	1.1000E+00	7.0000E+05	1.2200E+00	1006 3 1	46
8.0000E+05	1.3500E+00	9.0000E+05	1.4150E+00	1.0000E+06	1.5000E+00	1006 3 1	47

1.1000E+06	1.5300E+00	1.2000E+06	1.5800E+00	1.3000E+06	1.6000E+00	1006	3	1	48
1.4000E+06	1.6100E+00	1.5000E+06	1.6200E+00	1.6000E+06	1.6300E+00	1006	3	1	49
1.7000E+06	1.6400E+00	1.8000E+06	1.6550E+00	1.9000E+06	1.6750E+00	1006	3	1	50
2.0000E+06	1.6900E+00	2.2000E+06	1.7250E+00	2.4000E+06	1.7700E+00	1006	3	1	51
2.6000E+06	1.8100E+00	2.8210E+06	1.8510E+00	3.0000E+06	1.9000E+00	1006	3	1	52
3.2000E+06	1.9500E+00	3.4000E+06	2.0000E+00	3.6000E+06	2.0500E+00	1006	3	1	53
3.8000E+06	2.0900E+00	4.0000E+06	2.1400E+00	4.1000E+06	2.1800E+00	1006	3	1	54
4.2000E+06	2.2000E+00	4.3000E+06	2.2200E+00	4.4000E+06	2.2400E+00	1006	3	1	55
4.5000E+06	2.2600E+00	4.6000E+06	2.2700E+00	4.7000E+06	2.2750E+00	1006	3	1	56
4.9000E+06	2.2700E+00	5.0000E+06	2.2500E+00	5.2000E+06	2.2300E+00	1006	3	1	57
5.4000E+06	2.2000E+00	5.5000E+06	2.1800E+00	5.7000E+06	2.1500E+00	1006	3	1	58
6.0000E+06	2.1000E+00	6.4000E+06	2.0000E+00	7.0000E+06	1.9100E+00	1006	3	1	59
7.5000E+06	1.8500E+00	8.0000E+06	1.8200E+00	8.3000E+06	1.7750E+00	1006	3	1	60
8.8000E+06	1.7300E+00	9.0000E+06	1.7200E+00	1.0000E+07	1.6700E+00	1006	3	1	61
1.0500E+07	1.6500E+00	1.1000E+07	1.6100E+00	1.1500E+07	1.5900E+00	1006	3	1	62
1.2000E+07	1.5600E+00	1.2500E+07	1.5300E+00	1.3000E+07	1.5000E+00	1006	3	1	63
1.3500E+07	1.4800E+00	1.4000E+07	1.4600E+00	1.4500E+07	1.4350E+00	1006	3	1	64
1.5000E+07	1.4100E+00					1006	3	1	65
						1006	3	0	66
3007.	6.9557	0	0	0	0	01006	3	2	67
0.0	0.0	0	0	0	1	1061006	3	2	68
	106	5				1006	3	2	69
1.0000E-03	1.0500E+00	2.0000E-03	1.0500E+00	3.0000E-03	1.0500E+00	1006	3	2	70
4.0000E-03	1.0495E+00	5.0000E-03	1.0495E+00	6.0000E-03	1.0500E+00	1006	3	2	71
7.0000E-03	1.0500E+00	8.0000E-03	1.0495E+00	9.0000E-03	1.0495E+00	1006	3	2	72
1.0000E-02	1.0495E+00	2.0000E-02	1.0498E+00	2.5000E-02	1.0500E+00	1006	3	2	73
1.0000E-01	1.0498E+00	1.0000E+00	1.0492E+00	1.0000E+01	1.0492E+00	1006	3	2	74
1.0000E+02	1.0494E+00	1.0000E+03	1.0498E+00	1.0000E+04	1.0499E+00	1006	3	2	75
1.0000E+05	9.2988E-01	1.3000E+05	9.5998E-01	1.5000E+05	1.0500E+00	1006	3	2	76
1.7000E+05	1.2300E+00	1.8500E+05	1.3800E+00	2.0000E+05	1.7000E+00	1006	3	2	77
2.1000E+05	2.0300E+00	2.2000E+05	2.5000E+00	2.3000E+05	4.5000E+00	1006	3	2	78
2.4000E+05	6.3000E+00	2.5000E+05	1.0500E+01	2.5800E+05	1.0900E+01	1006	3	2	79
2.6000E+05	1.0500E+01	2.7000E+05	6.8000E+00	2.8000E+05	4.7500E+01	1006	3	2	80
2.9000E+05	3.6000E+00	3.0000E+05	2.7200E+00	3.1000E+05	2.2500E+01	1006	3	2	81
3.2000E+05	2.0500E+00	3.3000E+05	1.8000E+00	3.4000E+05	1.6000E+01	1006	3	2	82
3.5000E+05	1.4600E+00	3.6000E+05	1.3800E+00	3.7000E+05	1.3200E+01	1006	3	2	83
3.8000E+05	1.2800E+00	3.9000E+05	1.2500E+00	4.0000E+05	1.2300E+01	1006	3	2	84
4.5000E+05	1.1200E+00	5.0000E+05	1.0700E+00	5.3000E+05	1.0600E+01	1006	3	2	85
5.5000E+05	1.0670E+00	6.0000E+05	1.0800E+00	7.0000E+05	1.1700E+01	1006	3	2	86
8.0000E+05	1.2700E+00	9.0000E+05	1.3000E+00	1.0000E+06	1.3450E+01	1006	3	2	87
1.1000E+06	1.3600E+00	1.2000E+06	1.3900E+00	1.3000E+06	1.4050E+01	1006	3	2	88
1.4000E+06	1.4120E+00	1.5000E+06	1.4200E+00	1.6000E+06	1.4300E+01	1006	3	2	89
1.7000E+06	1.4410E+00	1.8000E+06	1.4570E+00	1.9000E+06	1.4790E+01	1006	3	2	90
2.0000E+06	1.4950E+00	2.2000E+06	1.5320E+00	2.4000E+06	1.5750E+01	1006	3	2	91
2.6000E+06	1.6140E+00	2.8210E+06	1.6490E+00	3.0000E+06	1.6830E+01	1006	3	2	92
3.2000E+06	1.7100E+00	3.4000E+06	1.7330E+00	3.6000E+06	1.7650E+01	1006	3	2	93
3.8000E+06	1.7950E+00	4.0000E+06	1.8350E+00	4.1000E+06	1.8670E+01	1006	3	2	94
4.2000E+06	1.8770E+00	4.3000E+06	1.8870E+00	4.4000E+06	1.8940E+01	1006	3	2	95
4.5000E+06	1.8990E+00	4.6000E+06	1.8930E+00	4.7000E+06	1.8780E+01	1006	3	2	96
4.9000E+06	1.8260E+00	5.0000E+06	1.7780E+00	5.2000E+06	1.6950E+01	1006	3	2	97
5.4000E+06	1.6190E+00	5.5000E+06	1.5800E+00	5.7000E+06	1.5230E+01	1006	3	2	98
6.0000E+06	1.4570E+00	6.4000E+06	1.3480E+00	7.0000E+06	1.2630E+01	1006	3	2	99
7.5000E+06	1.2160E+00	8.0000E+06	1.2000E+00	8.3000E+06	1.1670E+01	1006	3	2	100
8.8000E+06	1.1400E+00	9.0000E+06	1.1330E+00	1.0000E+07	1.1060E+01	1006	3	2	101
1.0500E+07	1.0940E+00	1.1000E+07	1.0710E+00	1.1500E+07	1.0641E+01	1006	3	2	102
1.2000E+07	1.0470E+00	1.2500E+07	1.027E+00	1.3000E+07	1.0090E+01	1006	3	2	103
1.3500E+07	9.9500E-01	1.4000E+07	9.8000E-01	1.4500E+07	9.6100E-01	1006	3	2	104
1.5000E+07	9.4200E-01					1006	3	2	105
						1006	3	0	106
3007.	6.9557	0	0	0	0	01006	3	2	107
0.0	0.0	0	0	0	1	1061006	3	2	108
	106	5				1006	3	2	109
1.0000E-03	1.7100E-01	2.0000E-03	1.2300E-01	3.0000E-03	1.0100E-01	1006	3	3	110
4.0000E-03	8.7500E-02	5.0000E-03	7.8500E-02	6.0000E-03	7.2000E-02	1006	3	3	111
7.0000E-03	6.7000E-02	8.0000E-03	6.2500E-02	9.0000E-03	5.9500E-02	1006	3	3	112
1.0000E-02	5.6500E-02	2.0000E-02	4.0200E-02	2.5000E-02	3.6000E-02	1006	3	3	113
1.0000E-01	1.8200E-02	1.0000E+00	5.8000E-03	1.0000E+01	1.8000E+01	1006	3	3	114
1.0000E+02	6.0000E-04	1.0000E+03	2.0000E-04	1.0000E+04	1.0000E-04	1006	3	3	115
1.0000E+05	2.0000E-05	1.3000E+05	2.0000E-05	1.5000E+05	1.0000E-05	1006	3	3	116
1.7000E+05	1.0000E-05	1.8500E+05	1.0000E-05	2.0000E+05	1.0000E-05	1006	3	3	117
2.1000E+05	1.0000E-05	2.2000E+05	1.0000E-05	2.3000E+05	1.0000E-05	1006	3	3	118
2.4000E+05	1.0000E-05	2.5000E+05	1.0000E-05	2.5800E+05	1.0000E-05	1006	3	3	119

2.6000F+05	1.0000F-05	2.7000E+05	1.0000E-05	2.8000F+05	1.0000E-051006	3	2	120
2.9000F+05	1.0000F-05	3.0000E+05	1.0000E-05	3.1000E+05	1.0000E-051006	3	3	121
3.2000F+05	1.0000F-05	3.3000F+05	1.0000E-05	3.4000F+05	1.0000E-051006	3	3	122
3.5000F+05	1.0000E-05	3.6000E+05	1.0000E-05	3.7000E+05	1.0000E-051006	3	3	123
3.8000F+05	1.0000E-05	3.9000E+05	1.0000E-05	4.0000E+05	1.0000E-051006	3	3	124
4.5000F+05	1.0000E-05	5.0000E+05	1.0000E-05	5.3000E+05	1.0000E-051006	3	3	125
5.5000F+05	1.0100E-03	6.0000F+05	2.0010F-02	7.0000E+05	5.0010E-021006	3	3	126
8.0000F+05	8.0010F-02	9.0000F+05	1.1500F-01	1.0000F+06	1.5500F-011006	3	2	127
1.1000F+06	1.7000F-01	1.2000F+06	1.9000F-01	1.3000F+06	1.9500F-011006	3	3	128
1.4000F+06	1.9800F-01	1.5000F+06	2.0000F-01	1.6000E+06	2.0000E-011006	3	3	129
1.7000F+06	1.9900F-01	1.8000E+06	1.9800F-01	1.9000F+06	1.9600F-011006	3	3	130
2.0000F+06	1.9500F-01	2.2000E+06	1.9300F-01	2.4000F+06	1.9500E-011006	3	3	131
2.6000F+06	1.9600F-01	2.8210F+06	2.0200F-01	3.0000F+06	2.1700F-011006	3	2	132
3.2000F+06	2.4000E-01	3.4000E+06	2.6700E-01	3.6000E+06	2.8500E-011006	3	3	133
3.8000F+06	2.9500F-01	4.0000E+06	3.0500F-01	4.1000E+06	3.1300E-011006	3	3	134
4.2000F+06	3.2300E-01	4.3000E+06	3.3300E-01	4.4000E+06	3.4600E-011006	3	3	135
4.5000F+06	3.6100E-01	4.6000E+06	3.7700E-01	4.7000E+06	3.9700E-011006	3	3	136
4.9000F+06	4.4400F-01	5.0000E+06	4.7200F-01	5.2000E+06	5.3500E-011006	3	3	137
5.4000F+06	5.8100F-01	5.5000E+06	6.0000F-01	5.7000F+06	6.2700F-011006	3	3	138
6.0000F+06	6.4300F-01	6.4000E+06	6.5200F-01	7.0000E+06	6.4700E-011006	3	3	139
7.5000F+06	6.3400F-01	8.0000F+06	6.2000F-01	8.3000F+06	6.0800E-011006	3	3	140
8.8800F+06	5.9000F-01	9.0000E+06	5.8700F-01	1.0000F+07	5.6400F-011006	3	3	141
1.0500F+07	5.5600F-01	1.1000F+07	5.3900F-01	1.1500F+07	5.2590F-011006	3	3	142
1.2000F+07	5.1300E-01	1.2500E+07	5.0300F-01	1.3000F+07	4.9100F-011006	3	3	143
1.3500F+07	4.8500F-01	1.4000E+07	4.8000F-01	1.4500E+07	4.7400E-011006	3	3	144
1.5000F+07	4.6800F-01				1006	2	2	145
					1006	3	0	146
3007.	6.9557	0	1	0	01006	3	4	147
0.0	-4.78 F+05	0	0	1	581006	2	4	148
	5R	5			1006	3	4	149
5.5000F+05	1.0000F-03	6.0000E+05	2.0000E-02	7.0000E+05	5.0000E-021006	3	4	150
8.0000F+05	8.0000F-02	9.0000F+05	1.1500F-01	1.0000F+06	1.5500E-011006	3	4	151
1.1000F+06	1.7000F-01	1.2000F+06	1.9000F-01	1.3000F+06	1.9500F-011006	3	4	152
1.4000F+06	1.9800F-01	1.5000F+06	2.0000F-01	1.6000E+06	2.0000F-011006	3	4	153
1.7000F+06	1.9900F-01	1.8000E+06	1.9800E-01	1.9000E+06	1.9600E-011006	3	4	154
2.0000F+06	1.9500F-01	2.2000E+06	1.9300F-01	2.4000F+06	1.9500E-011006	3	4	155
2.6000F+06	1.9600F-01	2.8210F+06	2.0200F-01	3.0000F+06	2.1500F-011006	3	4	156
3.2000F+06	2.3700F-01	3.4000F+06	2.6000F-01	3.6000F+06	2.7400E-011006	3	4	157
3.8000F+06	2.8000F-01	4.0000F+06	2.8500F-01	4.1000F+06	2.8600F-011006	3	4	158
4.2000F+06	2.8700F-01	4.3000F+06	2.8700F-01	4.4000F+06	2.8700F-011006	3	4	159
4.5000F+06	2.8600E-01	4.6000E+06	2.8500E-01	4.7000E+06	2.8400E-011006	3	4	160
4.9000F+06	2.8300F-01	5.0000E+06	2.8200F-01	5.2000F+06	2.8000F-011006	3	4	161
5.4000F+06	2.7600F-01	5.5000E+06	2.7500F-01	5.7000F+06	2.7000F-011006	3	4	162
6.0000F+06	2.6300F-01	6.4000F+06	2.5000F-01	7.0000F+06	2.2700F-011006	3	4	163
7.5000F+06	2.1100F-01	8.0000E+06	1.9500F-01	8.3000F+06	1.8500F-011006	3	4	164
8.8800F+06	1.6800F-01	9.0000F+06	1.6500F-01	1.0000F+07	1.3800F-011006	3	4	165
1.0500F+07	1.2800F-01	1.1000F+07	1.1500F-01	1.1500F+07	1.0500F-011006	3	4	166
1.2000F+07	0.6000F-02	1.2500E+07	9.1000F-02	1.3000F+07	8.5000F-021006	3	4	167
1.3500F+07	8.2000E-02	1.4000E+07	8.0000E-02	1.4500E+07	8.0000E-021006	3	4	168
1.5000F+07	8.0000F-02				1006	2	4	169
					1006	3	0	170
3007.	6.9557	0	0	0	01006	3	16	171
0.0	-7.252 F+06	0	0	1	141006	3	16	172
	14	5			1006	2	16	173
8.3000F+06	1.0000F-03	8.8800F+06	1.0000F-03	9.0000F+06	2.0000E-031006	3	16	174
1.0000F+07	1.0000F-02	1.0500F+07	1.4000F-02	1.1000F+07	1.6000F-021006	3	16	175
1.1500F+07	1.7700F-02	1.2000F+07	1.9000E-02	1.2500E+07	2.0000E-021006	3	16	176
1.3000F+07	2.1000F-02	1.3500F+07	2.1600E-02	1.4000F+07	2.2000E-021006	3	16	177
1.4500F+07	2.2600F-02	1.5000F+07	2.3000F-02		1006	3	16	178
					1006	2	0	179
3007.	6.9557	0	0	0	01006	3	22	180
0.0	-2.466 F+06	0	0	1	391006	2	22	181
	20	5			1006	2	22	182
2.8210F+06	1.0000E-03	3.0000E+06	2.0000E-03	3.2000E+06	3.0000E-031006	3	22	183
3.4000F+06	7.0000E-03	3.6000E+06	1.1000E-02	3.8000E+06	1.5000E-021006	3	22	184
4.0000E+06	2.0000E-02	4.1000E+06	2.7000F-02	4.2000E+06	3.6000E-021006	3	22	185
4.3000E+06	4.6000E-02	4.4000E+06	5.9000E-02	4.5000E+06	7.5000F-021006	3	22	186
4.6000F+06	9.2000E-02	4.7000E+06	1.1300F-01	4.9000E+06	1.6100E-011006	3	22	187
5.0000F+06	1.9000F-01	5.2000E+06	2.5500F-01	5.4000E+06	3.0500F-011006	3	22	188
5.5000F+06	3.2500E-01	5.7000E+06	3.5700F-01	6.0000F+06	3.8000E-011006	3	22	189
6.4000F+06	4.0200F-01	7.0000F+06	4.2000F-01	7.5000F+06	4.2300E-011006	3	22	190

8.0000E+06	4.2500E-01	8.3000E+06	4.2200E-01	8.8800E+06	4.2000E-01	11006	3	22	191
9.0000E+06	4.1900E-01	1.0000E+07	4.1400E-01	1.0500E+07	4.1000E-01	111006	3	22	192
1.1000E+07	4.0000E-01	1.1500E+07	3.9100E-01	1.2000E+07	3.8000E-01	112006	3	22	193
1.2500E+07	3.6800E-01	1.3000E+07	3.5500E-01	1.3500E+07	3.4500E-01	113006	3	22	194
1.4000E+07	3.3500E-01	1.4500E+07	3.2240E-01	1.5000E+07	3.1000E-01	114006	3	22	195
3007.	6.9557	0	0	0	0	1006	3	0	196
0.0	-8.722 E+06	0	0	1	1	111006	3	24	197
	11	5				1006	3	24	198
1.0000E+07	1.0000E-03	1.0500E+07	2.0000E-03	1.1000E+07	5.0000E-03	11006	3	24	199
1.1500E+07	8.6000E-03	1.2000E+07	1.3000E-02	1.2500E+07	1.7500E-02	111006	3	24	200
1.3000E+07	2.2000E-02	1.3500E+07	2.7400E-02	1.4000E+07	3.3000E-02	112006	3	24	201
1.4500E+07	3.8000E-02	1.5000E+07	4.3000E-02			1006	3	24	202
3007.	6.9557	0	0	0	0	1006	3	0	203
0.0	2.032 E+06	0	0	1	1	1061006	3	02	204
	106	5				1006	3	02	205
1.0000E-03	1.7100E-01	2.0000E-03	1.2300E-01	3.0000E-03	1.0100E-01	11006	3	102	206
4.0000E-03	8.7500E-02	5.0000E-03	7.8500E-02	6.0000E-03	7.2000E-02	111006	3	102	207
7.0000E-03	6.7000E-02	8.0000E-03	6.2500E-02	9.0000E-03	5.9500E-02	112006	3	102	208
1.0000E-02	5.6500E-02	2.0000E-02	4.0200E-02	2.5000E-02	3.6000E-02	113006	3	102	209
1.0000E-01	1.8200E-02	1.0000E+00	5.8000E-03	1.0000E+01	1.8000E-03	114006	3	102	210
1.0000E+02	6.0000E-04	1.0000E+03	2.0000E-04	1.0000E+04	1.0000E-04	115006	3	102	211
1.0000E+05	2.0000E-05	1.3000E+05	2.0000E-05	1.5000E+05	1.0000E-05	116006	3	102	212
1.7000E+05	1.0000E-05	1.8500E+05	1.0000E-05	2.0000E+05	1.0000E-05	117006	3	102	213
2.1000E+05	1.0000E-05	2.2000E+05	1.0000E-05	2.3000E+05	1.0000E-05	118006	3	102	214
2.4000E+05	1.0000E-05	2.5000E+05	1.0000E-05	2.5800E+05	1.0000E-05	119006	3	102	215
2.6000E+05	1.0000E-05	2.7000E+05	1.0000E-05	2.8000E+05	1.0000E-05	120006	3	102	216
2.9000E+05	1.0000E-05	3.0000E+05	1.0000E-05	3.1000E+05	1.0000E-05	121006	3	102	217
3.2000E+05	1.0000E-05	3.3000E+05	1.0000E-05	3.4000E+05	1.0000E-05	122006	3	102	218
3.5000E+05	1.0000E-05	3.6000E+05	1.0000E-05	3.7000E+05	1.0000E-05	123006	3	102	219
3.8000E+05	1.0000E-05	3.9000E+05	1.0000E-05	4.0000E+05	1.0000E-05	124006	3	102	220
4.5000E+05	1.0000E-05	5.0000E+05	1.0000E-05	5.3000E+05	1.0000E-05	125006	3	102	221
5.5000E+05	1.0000E-05	6.0000E+05	1.0000E-05	7.0000E+05	1.0000E-05	126006	3	102	222
8.0000E+05	1.0000E-05	9.0000E+05	1.0000E-05	1.0000E+06	1.0000E-05	127006	3	102	223
1.1000E+06	1.0000E-05	1.2000E+06	1.0000E-05	1.3000E+06	1.0000E-05	128006	3	102	224
1.4000E+06	1.0000E-05	1.5000E+06	1.0000E-05	1.6000E+06	1.0000E-05	129006	3	102	225
1.7000E+06	1.0000E-05	1.8000E+06	1.0000E-05	1.9000E+06	1.0000E-05	130006	3	102	226
2.0000E+06	1.0000E-05	2.2000E+06	1.0000E-05	2.4000E+06	1.0000E-05	131006	3	102	227
2.6000E+06	1.0000E-05	2.8210E+06	1.0000E-05	3.0000E+06	1.0000E-05	132006	3	102	228
3.2000E+06	1.0000E-05	3.4000E+06	1.0000E-05	3.6000E+06	1.0000E-05	133006	3	102	229
3.8000E+06	1.0000E-05	4.0000E+06	1.0000E-05	4.1000E+06	1.0000E-05	134006	3	102	230
4.2000E+06	1.0000E-05	4.3000E+06	1.0000E-05	4.4000E+06	1.0000E-05	135006	3	102	231
4.5000E+06	1.0000E-05	4.6000E+06	1.0000E-05	4.7000E+06	1.0000E-05	136006	3	102	232
4.9000E+06	1.0000E-05	5.0000E+06	1.0000E-05	5.2000E+06	1.0000E-05	137006	3	102	233
5.4000E+06	1.0000E-05	5.5000E+06	1.0000E-05	5.7000E+06	1.0000E-05	138006	3	102	234
6.0000E+06	1.0000E-05	6.4000E+06	1.0000E-05	7.0000E+06	1.0000E-05	139006	3	102	235
7.5000E+06	1.0000E-05	8.0000E+06	1.0000E-05	8.3000E+06	1.0000E-05	140006	3	102	236
8.8800E+06	1.0000E-05	9.0000E+06	1.0000E-05	1.0000E+07	1.0000E-05	141006	3	102	237
1.0500E+07	1.0000E-05	1.1000E+07	1.0000E-05	1.1500E+07	1.0000E-05	142006	3	102	238
1.2000E+07	1.0000E-05	1.2500E+07	1.0000E-05	1.3000E+07	1.0000E-05	143006	3	102	239
1.3500E+07	1.0000E-05	1.4000E+07	1.0000E-05	1.4500E+07	1.0000E-05	144006	3	102	240
1.5000E+07	1.0000E-05					1006	3	0	241
3007.	6.9557	0	0	0	0	1006	3	0	242
0.0	-7.76 E+06	0	0	1	1	131006	3	104	243
	13	5				1006	3	104	244
8.8800E+06	1.0000E-03	9.0000E+06	1.0000E-03	1.0000E+07	1.0000E-03	11006	3	104	245
1.0500E+07	2.0000E-03	1.1000E+07	3.0000E-03	1.1500E+07	3.6000E-03	111006	3	104	246
1.2000E+07	5.0000E-03	1.2500E+07	6.8000E-03	1.3000E+07	8.0000E-03	112006	3	104	247
1.3500E+07	9.0000E-03	1.4000E+07	1.0000E-02	1.4500E+07	1.1000E-02	113006	3	104	248
1.5000E+07	1.2000E-02					1006	3	0	249
3007.	6.9557	0	0	0	0	1006	3	0	250
0.0	0.0	0	0	2	2	2721006	3	251	251
	2	1	272	3		1006	3	251	252
1.0000E-03	9.4994E-02	1.0000E+04	9.4994E-02	1.1000E+04	9.6706E-02	11006	3	251	253
1.2000E+04	9.8419E-02	1.3000E+04	1.0013E-01	1.4000E+04	1.0184E-01	111006	3	251	254
1.5000E+04	1.0356E-01	1.6000E+04	1.0527E-01	1.7000E+04	1.0698E-01	112006	3	251	255
1.8000E+04	1.0869E-01	1.9000E+04	1.1041E-01	2.0000E+04	1.1212E-01	113006	3	251	256
2.1000E+04	1.1383E-01	2.2000E+04	1.1554E-01	2.3000E+04	1.1726E-01	114006	3	251	257
2.4000E+04	1.1897E-01	2.5000E+04	1.2068E-01	2.6000E+04	1.2239E-01	115006	3	251	258

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	-1.43570-021006	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	-6.02140-021006	3251	300
5.10000+05	-6.32720-02	5.20000+05	-6.63290-02	5.30000+05	-7.53960-021006	3251	301
5.40000+05	-7.24430-02	5.50000+05	-7.55000-02	5.60000+05	-8.46800-021006	3251	302
5.70000+05	-8.16150-02	5.80000+05	-8.46720-02	5.90000+05	-9.39640-021006	3251	303
6.00000+05	-9.07860-02	6.10000+05	-8.89340-02	6.20000+05	-9.92480-021006	3251	304
6.30000+05	-8.52290-02	6.40000+05	-8.33770-02	6.50000+05	-8.85320-021006	3251	305
6.60000+05	-7.96730-02	6.70000+05	-7.78210-02	6.80000+05	-7.78160-021006	3251	306
6.90000+05	-7.41160-02	7.00000+05	-7.22640-02	7.10000+05	-6.71000-021006	3251	307
7.20000+05	-6.85600-02	7.30000+05	-6.67070-02	7.40000+05	-5.63840-021006	3251	308
7.50000+05	-6.30030-02	7.60000+05	-6.11510-02	7.70000+05	-5.06680-021006	3251	309
7.80000+05	-5.74460-02	7.90000+05	-5.55940-02	8.00000+05	-4.49520-021006	3251	310
8.10000+05	-5.18900-02	8.20000+05	-5.00380-02	8.30000+05	-3.92360-021006	3251	311
8.40000+05	-4.63330-02	8.50000+05	-4.44810-02	8.60000+05	-3.35200-021006	3251	312
8.70000+05	-4.07770-02	8.80000+05	-3.89250-02	8.90000+05	-2.78040-021006	3251	313
9.00000+05	-3.52200-02	9.10000+05	-3.33680-02	9.20000+05	-2.20880-021006	3251	314
9.30000+05	-2.96640-02	9.40000+05	-2.78110-02	9.50000+05	-1.63720-021006	3251	315
9.60000+05	-2.41070-02	9.70000+05	-2.22550-02	9.80000+05	-1.06560-021006	3251	316
9.90000+05	-1.85500-02	1.00000+06	-1.66980-02	1.10000+06	-1.09700-031006	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	9.09700-021006	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	2.26510-011006	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	3.98830-011006	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	5.91850-01	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	0	01006	3	0 348
3007.	6.9557	0	0	0	01006	3252	349
0.0	0.0	0	0	2	2721006	3252	350
	?	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	2.97210-01	4.30000+05	2.98090-01	4.40000+05	2.99970-011006	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

1.35066-04	3.86419-04	1.87506-04				1006	4	2	477
0.	2.59000+05	0	0	0	0	01006	4	2	478
2.56913-02	1.06970-01	2.92985-03	1.46446-03	3.25540-03	1.73522-03	1006	4	2	479
-1.23218-02	4.89519-04	9.92804-05				1006	4	2	480
0.	2.75000+05	0	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	1006	4	2	482
5.89492-04	8.97164-04	3.52224-04				1006	4	2	483
0.	6.00000+05	0	0	0	0	01006	4	2	484
-1.83242-01	4.96529-02	1.12467-02	2.23120-03	1.89945-04	3.92140-06	1006	4	2	485
6.88925-04	1.36882-02	1.59715-04				1006	4	2	486
0.	1.50000+06	0	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	1006	4	2	488
5.01422-04	6.37500-04	1.91796-04				1006	4	2	489
0.	3.35000+06	0	0	0	0	01006	4	2	490
1.36572-01	1.58300-01	3.69642-02	3.69671-04	3.95939-03	1.26524-03	1006	4	2	491
-1.27796-02	0.00555-05	9.74845-04				1006	4	2	492
0.	4.00000+06	0	0	0	0	01006	4	2	493
9.63609-02	2.15696-01	2.52511-02	1.45175-02	3.56130-03	1.29051-02	1006	4	2	494
1.10700-02	4.71843-04	1.24525-03				1006	4	2	495
0.	5.15000+06	0	0	0	0	01006	4	2	496
3.03358-01	2.55965-01	1.29321-01	3.59112-02	3.44803-03	2.88717-02	1006	4	2	497
-5.97230-04	2.39404-02	1.25267-02				1006	4	2	498
0.	6.36000+06	0	0	0	0	01006	4	2	499
4.84595-01	3.14866-01	1.65075-01	4.14309-02	6.22846-03	3.68585-03	1006	4	2	500
-5.87016-04	1.67440-02	3.15672-04				1006	4	2	501
0.	7.54000+06	0	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	1006	4	2	503
-3.30129-04	6.00627-04	4.34878-04				1006	4	2	504
0.	1.40000+07	0	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	1006	4	2	506
-4.93251-02	2.81184-04	3.46586-02				1006	4	2	507
0.	0.	0	0	0	0	01006	4	0	508
3007.	6.9557	0	2	0	0	01006	4	4	509
0.0	0.0	0	1	0	0	01006	4	4	510
0.0	0.0	0	0	1	1	21006	4	4	511
0.0	2	0	0	0	0	1006	4	4	512
0.0	5.5 F+05	0	0	0	1	21006	4	4	513
2	2	0	0	0	0	1006	4	4	514
-1.0	0.5	1.0	0.5	0	0	1006	4	4	515
0.0	1.5 F+07	0	0	1	1	21006	4	4	516
2	2	0	0	0	0	1006	4	4	517
-1.0	0.5	1.0	0.5	0	0	1006	4	4	518
0.0	0.	0	0	0	0	1006	4	0	519
3007.	6.9557	0	2	0	0	01006	4	16	520
0.0	0.0	0	1	0	0	01006	4	16	521
0.0	0.0	0	0	1	1	21006	4	16	522
0.0	2	0	0	0	0	1006	4	16	523
0.0	8.2 F+06	0	0	1	1	21006	4	16	524
2	2	0	0	0	0	1006	4	16	525
-1.0	0.5	1.0	0.5	0	0	1006	4	16	526
0.0	1.5 F+07	0	0	1	1	21006	4	16	527
2	2	0	0	0	0	1006	4	16	528
-1.0	0.5	1.0	0.5	0	0	1006	4	16	529
0.0	0.	0	0	0	0	1006	4	0	530
3007.	6.9557	0	2	0	0	01006	4	22	531
0.0	0.0	0	1	0	0	01006	4	22	532
0.0	0.0	0	0	1	1	21006	4	22	533
0.0	12	0	0	0	0	1006	4	22	534
0.0	2.821 F+06	0	0	1	1	21006	4	22	535
2	2	0	0	0	0	1006	4	22	536
-1.0	0.5	1.0	0.5	0	0	1006	4	22	537
0.	5.10000F+06	0	0	1	1	111006	4	22	538
0.	2	0	0	0	0	1006	4	22	539
-1.00000F+00	2.40200F-01	-8.00000F-01	2.49200F-01	-6.00000E-01	2.70200E-01	1006	4	22	540
-4.00000F-01	3.22700F-01	-2.00000F-01	3.90300F-01	0.	4.68300E-01	1006	4	22	541
2.00000F-01	5.55400E-01	4.00000E-01	6.53000E-01	6.00000E-01	7.50500E-01	1006	4	22	542
8.00000F-01	8.07600F-01	1.00000E+00	8.25600F-01			1006	4	22	543
0.	5.40000F+06	0	0	1	1	111006	4	22	544
0.	2	0	0	0	0	1006	4	22	545
-1.00000F+00	1.96500E-01	-8.00000E-01	2.21700E-01	-6.00000E-01	2.52600E-01	1006	4	22	546
-4.00000F-01	2.95700F-01	-2.00000E-01	3.64900F-01	0.	4.56600E-01	1006	4	22	547
2.00000F-01	5.61400F-01	4.00000F-01	6.73700F-01	6.00000F-01	7.82200E-01	1006	4	22	548

8.0000E-01	8.5140E-01	1.0000E+00	8.8320E-01		1006	4	22	549	
0.	5.8000E+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-01	11006	4	22	552
-4.0000E-01	3.0540E-01	-2.0000E-01	3.5670E-01	0.	4.2720E-01	11006	4	22	553
2.0000E-01	5.2200E-01	4.0000E-01	6.4900E-01	6.0000E-01	7.7950E-01	11006	4	22	554
8.0000E-01	8.6310E-01	1.0000E+00	9.0660E-01			1006	4	22	555
0.	6.5000E+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-01	11006	4	22	558
-4.0000E-01	3.0200E-01	-2.0000E-01	3.9470E-01	0.	5.0450E-01	11006	4	22	559
2.0000E-01	6.1610E-01	4.0000E-01	7.1220E-01	6.0000E-01	7.7230E-01	11006	4	22	560
8.0000E-01	8.0140E-01	1.0000E+00	8.1350E-01			1006	4	22	561
0.	7.0000E+06	0	0	1	111006	4	22	562	
11	?				1006	4	22	563	
-1.0000E+00	1.8250E-01	-8.0000E-01	2.1160E-01	-6.0000E-01	2.4810E-01	11006	4	22	564
-4.0000E-01	3.1090E-01	-2.0000E-01	4.0140E-01	0.	4.8610E-01	11006	4	22	565
2.0000E-01	5.7660E-01	4.0000E-01	6.7290E-01	6.0000E-01	7.6630E-01	11006	4	22	566
8.0000E-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-01	11006	4	22	570
-4.0000E-01	2.9940E-01	-2.0000E-01	3.6740E-01	0.	4.6000E-01	11006	4	22	571
2.0000E-01	5.5930E-01	4.0000E-01	6.6550E-01	6.0000E-01	7.6210E-01	11006	4	22	572
8.0000E-01	8.0840E-01	1.0000E+00	8.3020E-01			1006	4	22	573
0.	8.0000E+06	0	0	1	111006	4	22	574	
11	?				1006	4	22	575	
-1.0000E+00	2.3110E-01	-8.0000E-01	2.4610E-01	-6.0000E-01	2.6860E-01	11006	4	22	576
-4.0000E-01	3.1540E-01	-2.0000E-01	3.8100E-01	0.	4.6720E-01	11006	4	22	577
2.0000E-01	5.7960E-01	4.0000E-01	6.8460E-01	6.0000E-01	7.4950E-01	11006	4	22	578
8.0000E-01	7.8890E-01	1.0000E+00	8.0700E-01			1006	4	22	579
0.	9.3000E+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-01	11006	4	22	582
-4.0000E-01	2.6700E-01	-2.0000E-01	3.4530E-01	0.	4.4660E-01	11006	4	22	583
2.0000E-01	5.6400E-01	4.0000E-01	6.9750E-01	6.0000E-01	8.0570E-01	11006	4	22	584
8.0000E-01	8.6560E-01	1.0000E+00	9.0690E-01			1006	4	22	585
0.	1.0600E+07	0	0	1	111006	4	22	586	
11	?				1006	4	22	587	
-1.0000E+00	2.3330E-01	-8.0000E-01	2.4940E-01	-6.0000E-01	2.8160E-01	11006	4	22	588
-4.0000E-01	3.3470E-01	-2.0000E-01	4.0230E-01	0.	4.8270E-01	11006	4	22	589
2.0000E-01	5.7200E-01	4.0000E-01	6.5330E-01	6.0000E-01	7.2490E-01	11006	4	22	590
8.0000E-01	7.7880E-01	1.0000E+00	8.0770E-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-01	11006	4	22	594
-4.0000E-01	2.9540E-01	-2.0000E-01	3.4840E-01	0.	4.4030E-01	11006	4	22	595
2.0000E-01	5.6270E-01	4.0000E-01	6.9270E-01	6.0000E-01	7.9440E-01	11006	4	22	596
8.0000E-01	8.4080E-01	1.0000E+00	8.6060E-01			1006	4	22	597
0.	1.5000E+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-01	11006	4	22	600
-4.0000E-01	5.0540E-01	-2.0000E-01	4.8190E-01	0.	4.5610E-01	11006	4	22	601
2.0000E-01	4.2360E-01	4.0000E-01	4.1610E-01	6.0000E-01	4.4880E-01	11006	4	22	602
8.0000E-01	5.4090E-01	1.0000E+00	1.0026E+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	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	7.9748E+06	0	3	1	21006	5	16	615	
					1006	5	16	616	
8.3	F+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	21006	5	22	620	

2.821	?	?								1006	5	22	621
0.0	F+06	1.0		4.3	F+06	1.0				1006	5	22	622
0.0	0.0	0.0		0	0	5		1		21006	5	22	623
4.3	?	?								1006	5	22	624
0.0	F+06	1.0		4.8	F+06	1.0				1006	5	22	625
0.0	0.0	0.0		0	0	0		1		21006	5	22	626
4.3	?	?								1006	5	22	627
0.0	F+06	4.3		4.8	E+06	4.8		F+06		1006	5	22	628
0.0	0.0	0.0		0	0	0		1		41006	5	22	629
0.0	4	?								1006	5	22	630
0.0	F+00	4.0		0.1	F+00	4.0		0.4	F+00	0.0			631
1.0	F+00	0.0								1006	5	22	632
0.0	0.0	0.0				0		1		21006	5	22	633
4.8	?	?								1006	5	22	634
0.0	F+06	1.0		1.5	F+07	1.0				1006	5	22	635
0.0	0.0	0.0		0	0	0		1		221006	5	22	636
0.0	22	?								1006	5	22	637
0.0	4.8	F+06		0	0	0		1		111006	5	22	638
0.	11	?								1006	5	22	639
6.0000F+05	8.2520E-07	2.0000E+05		8.2430E-07	4.0000E+05	8.1790E-07		1006		5	22	640	
1.2000E+06	7.9880E-07	8.0000E+05		7.2950E-07	1.0000E+06	5.6990E-07		1006		5	22	641	
1.8000F+06	3.9390E-07	1.4000E+06		2.1790E-07	1.6000E+06	1.1850E-07		1006		5	22	642	
0.0	8.4800E-08	2.0000E+06		6.3800E-08				1006		5	22	643	
0.0	5.25	F+06		0	0	0		1		111006	5	22	644
0.	11	?								1006	5	22	645
6.0000F+05	8.2520E-07	2.0000E+05		8.2430E-07	4.0000E+05	8.1790E-07		1006		5	22	646	
1.2000F+06	7.9880E-07	8.0000E+05		7.2950E-07	1.0000E+06	5.6990E-07		1006		5	22	647	
1.8000F+06	3.9390E-07	1.4000E+06		2.1790E-07	1.6000E+06	1.1850E-07		1006		5	22	648	
0.0	8.4800E-08	2.0000E+06		6.3800E-08				1006		5	22	649	
0.0	5.25	F+06		0	0	0		1		111006	5	22	650
0.	11	?								1006	5	22	651
7.5000F+05	5.6650E-07	2.5000E+05		5.6410E-07	5.0000E+05	5.5740E-07		1006		5	22	652	
1.5000E+06	5.3980E-07	1.0000E+06		5.0890E-07	1.2500E+06	4.7110E-07		1006		5	22	653	
2.2500F+06	4.2410E-07	1.7500E+06		3.4690E-07	2.0000E+06	2.4240E-07		1006		5	22	654	
0.0	6.0600E-08	2.5000E+06		3.0000E-09				1006		5	22	655	
0.0	5.6	F+06		0	0	0		1		111006	5	22	656
0.	11	?								1006	5	22	657
7.5000F+05	5.6650E-07	2.5000E+05		5.6410E-07	5.0000E+05	5.5740E-07		1006		5	22	658	
1.5000F+06	5.3980E-07	1.0000E+06		5.0890E-07	1.2500E+06	4.7110E-07		1006		5	22	659	
2.2500F+06	4.2410E-07	1.7500E+06		3.4690E-07	2.0000E+06	2.4240E-07		1006		5	22	660	
0.0	6.0600E-08	2.5000E+06		3.0000E-09				1006		5	22	661	
0.0	5.6	F+06		0	0	0		1		131006	5	22	662
0.	13	?								1006	5	22	663
6.0000F+05	4.5170E-07	2.0000E+05		6.5970E-07	4.0000E+05	7.7740E-07		1006		5	22	664	
1.0000F+06	8.2530E-07	7.0000E+05		8.3210E-07	8.0000E+05	8.1020E-07		1006		5	22	665	
1.6000F+06	6.4330E-07	1.2000E+06		3.8600E-07	1.4000E+06	2.2450E-07		1006		5	22	666	
3.0000F+06	1.3410E-07	2.0000E+06		7.5300E-08	2.4000E+06	3.5600E-08		1006		5	22	667	
0.0	0.							1006		5	22	668	
0.0	6.15	F+06		0	0	0		1		131006	5	22	669
0.	13	?								1006	5	22	670
6.0000F+05	4.5170E-07	2.0000E+05		6.5970E-07	4.0000E+05	7.7740E-07		1006		5	22	671	
1.0000F+06	8.2530E-07	7.0000E+05		8.3210E-07	8.0000E+05	8.1020E-07		1006		5	22	672	
1.6000F+06	6.4330E-07	1.2000E+06		3.8600E-07	1.4000E+06	2.2450E-07		1006		5	22	673	
3.0000F+06	1.3410E-07	2.0000E+06		7.5300E-08	2.4000E+06	3.5600E-08		1006		5	22	674	
0.0	0.							1006		5	22	675	
0.0	6.15	F+06		0	0	0		1		151006	5	22	676
0.	15	?								1006	5	22	677
8.0000F+05	2.2410E-07	4.0000E+05		4.5650E-07	6.0000E+05	5.2090E-07		1006		5	22	678	
1.2000F+06	5.7410E-07	1.0000E+06		6.0500E-07	1.1000E+06	6.1340E-07		1006		5	22	679	
2.2000F+06	6.1060E-07	1.4000E+06		5.4050E-07	2.0000E+06	1.8200E-07		1006		5	22	680	
2.8000F+06	1.0920E-07	2.4000E+06		7.8400E-08	2.6000E+06	5.8800E-08		1006		5	22	681	
0.0	4.2000E-08	3.0000E+06		2.5200E-08	3.5000E+06	0.		1006		5	22	682	
0.0	6.75	F+06		0	0	0		1		151006	5	22	683
0.	15	?								1006	5	22	684
8.0000E+05	2.2410E-07	4.0000E+05		4.5650E-07	6.0000E+05	5.2090E-07		1006		5	22	685	
1.2000E+06	5.7410E-07	1.0000E+06		6.0500E-07	1.1000E+06	6.1340E-07		1006		5	22	686	
2.2000E+06	6.1060E-07	1.4000E+06		5.4050E-07	2.0000E+06	1.8200E-07		1006		5	22	687	
2.8000E+06	1.0920E-07	2.4000E+06		7.8400E-08	2.6000E+06	5.8800E-08		1006		5	22	688	
0.0	4.2000E-08	3.0000E+06		2.5200E-08	3.5000E+06	0.		1006		5	22	689	
0.0	6.75	F+06		0	0	0		1		141006	5	22	690
0.	14	?								1006	5	22	691

0.	6.5606F-08	4.0000E+05	2.7457E-07	8.0000E+05	4.0092E-07	1006	5 22	692
1.2000F+06	4.8840E-07	1.3000E+06	4.9326E-07	1.4000E+06	4.9083E-07	1006	5 22	693
1.6000F+06	4.7139F-07	1.8000E+06	4.2765E-07	3.0000E+06	7.7755E-08	1006	5 22	694
3.2000F+06	4.8597F-08	3.4000E+06	2.9158F-08	3.6000E+06	1.9439F-08	1006	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-07	1006	5 22	699
1.2000F+06	4.8840E-07	1.3000E+06	4.9326E-07	1.4000E+06	4.9083E-07	1006	5 22	700
1.6000F+06	4.7139F-07	1.8000E+06	4.2765E-07	3.0000E+06	7.7755E-08	1006	5 22	701
3.2000F+06	4.8597E-08	3.4000E+06	2.9158E-08	3.6000E+06	1.9439E-08	1006	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	3.2540F-07	1006	5 22	706
1.4000F+06	3.5050E-07	1.8000E+06	3.6580E-07	1.9000E+06	3.6690E-07	1006	5 22	707
2.0000F+06	3.6470F-07	2.4000E+06	3.1990F-07	2.8000E+06	2.4890E-07	1006	5 22	708
3.2000E+06	1.4190E-07	3.4000E+06	6.4400E-08	3.5000E+06	3.4900E-08	1006	5 22	709
3.6000F+06	2.1800F-08	4.0000E+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-07	1006	5 22	713
1.4000F+06	3.5050E-07	1.8000E+06	3.6580E-07	1.9000E+06	3.6690E-07	1006	5 22	714
2.0000E+06	3.6470E-07	2.4000E+06	3.1990E-07	2.8000E+06	2.4890E-07	1006	5 22	715
3.2000F+06	1.4190E-07	3.4000E+06	6.4400E-08	3.5000F+06	3.4900F-08	1006	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
	13	2				1006	5 22	719
0.	1.6710F-07	5.0000E+05	1.7490F-07	1.0000E+06	1.9660E-07	1006	5 22	720
1.5000E+06	2.2800E-07	2.0000E+06	2.6140E-07	2.5000E+06	2.8300E-07	1006	5 22	721
2.7500E+06	2.8500E-07	3.0000E+06	2.8110E-07	3.2500E+06	2.6830E-07	1006	5 22	722
3.5000E+06	2.4370E-07	4.0000E+06	1.6900E-07	4.2500E+06	1.5630E-07	1006	5 22	723
4.5000F+06	1.5330F-07					1006	5 22	724
0.0	8.65 F+06	0	0	1		131006	5 22	725
	13	2				1006	5 22	726
0.	1.6710F-07	5.0000E+05	1.7490F-07	1.0000E+06	1.9660E-07	1006	5 22	727
1.5000F+06	2.2800E-07	2.0000E+06	2.6140F-07	2.5000F+06	2.8300E-07	1006	5 22	728
2.7500F+06	2.8500F-07	3.0000E+06	2.8110F-07	3.2500F+06	2.6830F-07	1006	5 22	729
3.5000F+06	2.4370F-07	4.0000E+06	1.6900F-07	4.2500F+06	1.5630E-07	1006	5 22	730
4.5000F+06	1.5330F-07					1006	5 22	731
0.0	8.65 F+06	0	0	1		151006	5 22	732
	15	2				1006	5 22	733
0.	7.0700E-08	5.0000E+05	7.8600F-08	1.0000E+06	9.6200F-08	1006	5 22	734
1.5000E+06	1.2960E-07	2.5000E+06	2.6510E-07	3.0000E+06	2.9850E-07	1006	5 22	735
3.2500E+06	3.0440E-07	3.5000E+06	3.0440E-07	3.7500E+06	2.9950E-07	1006	5 22	736
4.0000E+06	2.8570E-07	4.5000E+06	1.8660E-07	4.7500E+06	1.1590E-07	1006	5 22	737
5.0000E+06	7.6600E-08	5.5000E+06	3.5400E-08	6.0000E+06	2.9500E-08	1006	5 22	738
0.0	9.95 F+06	0	0	1		151006	5 22	739
	15	2				1006	5 22	740
0.	7.0700F-08	5.0000E+05	7.8600E-08	1.0000E+06	9.6200E-08	1006	5 22	741
1.5000F+06	1.2960F-07	2.5000E+06	2.6510F-07	3.0000E+06	2.9850F-07	1006	5 22	742
3.2500F+06	3.0440E-07	3.5000E+06	3.0440E-07	3.7500E+06	2.9950E-07	1006	5 22	743
4.0000E+06	2.8570E-07	4.5000E+06	1.8660E-07	4.7500E+06	1.1590E-07	1006	5 22	744
5.0000E+06	7.6600F-08	5.5000E+06	3.5400E-08	6.0000E+06	2.9500E-08	1006	5 22	745
0.0	9.95 F+06	0	0	1		131006	5 22	746
	13	2				1006	5 22	747
0.	8.6551F-08	5.0000E+05	9.3209E-08	1.0000E+06	1.1318E-07	1006	5 22	748
2.5000E+06	2.0240E-07	3.0000E+06	2.1838E-07	3.2500E+06	2.1971E-07	1006	5 22	749
3.5000E+06	2.1838E-07	4.0000E+06	2.1039E-07	4.5000E+06	1.9707E-07	1006	5 22	750
5.0000F+06	1.7044E-07	6.0000E+06	6.6578E-08	6.5000E+06	2.6631F-08	1006	5 22	751
7.0000F+06	1.0652F-08					1006	5 22	752
0.0	1.13 F+07	0	0	1		131006	5 22	753
	13	2				1006	5 22	754
0.	8.6551F-08	5.0000E+05	9.3209E-08	1.0000E+06	1.1318F-07	1006	5 22	755
2.5000F+06	2.0240F-07	3.0000E+06	2.1838E-07	3.2500F+06	2.1971F-07	1006	5 22	756
3.5000E+06	2.1838E-07	4.0000E+06	2.1039E-07	4.5000E+06	1.9707E-07	1006	5 22	757
5.0000F+06	1.7044E-07	6.0000E+06	6.6578E-08	6.5000E+06	2.6631E-08	1006	5 22	758
7.0000F+06	1.0652F-08					1006	5 22	759
0.0	1.13 F+07	0	0	1		131006	5 22	760
	13	2				1006	5 22	761
0.	2.8900F-08	5.0000E+05	4.7400F-08	1.5000F+06	1.1180F-07	1006	5 22	762

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