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Fission and Capture Cross Sections of Some Curium Isotopes from the Physics 8 Nuclear Explosion

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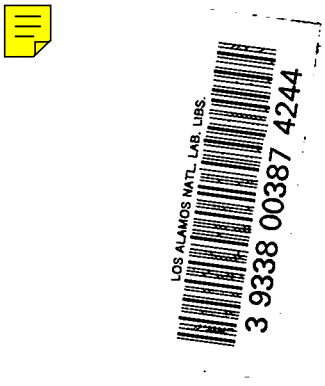

by

R. D. Baybarz*
F. B. Simpson**
M. E. Ennis
G. A. Keyworth
M. S. Moore
J. R. Berreth**
W. K. Brown†
R. R. Fullwood
J. H. McNally
M. C. Thompson††

*Oak Ridge National Laboratory, Oak Ridge, Tennessee

**Idaho Nuclear Corporation, Idaho Falls, Idaho

†Present address; Department of Mechanical Engineering, University of Wyoming, Laramie, Wyoming

††Savannah River Laboratory, Aiken, South Carolina

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FISSION AND CAPTURE CROSS SECTIONS OF SOME CURIUM ISOTOPES FROM THE PHYSICS 8 NUCLEAR EXPLOSION

by

R. D. Baybarz, J. R. Berreth, F. B. Simpson, W. K. Brown, M. E. Ennis, R. R. Fullwood, G. A. Keyworth, J. H. McNally, M. S. Moore, and M. C. Thompson

ABSTRACT

Using the nuclear explosion Physics 8 as a neutron source, the fission cross sections of ^{244}Cm, ^{245}Cm, ^{246}Cm, ^{247}Cm, and ^{248}Cm were measured between 20 eV and 3 MeV. The radiative capture cross section of ^{244}Cm was determined between 20 eV and 10 keV, and the radiative capture of ^{246}Cm and ^{248}Cm was determined for several resonances in these isotopes. Tabulations of the data obtained are appended to the report.

I. EXPERIMENTAL

The technique of measuring neutron cross sections using a nuclear explosion as a neutron source is well known,[1] and will be reviewed here only briefly. The nuclear explosion gives a single, high-intensity neutron pulse. This requires (1) measurement of signal current vs neutron time of flight rather than measurement of individual pulses, (2) a large dynamic range for signal-level recording, and (3) fast, permanent recording of data so that they can be reduced later.

The relating of a signal current to a cross section further requires that the detector response be a known function of neutron energy. Fission cross sections were measured by detecting fission fragments, because the average kinetic-energy release is, for all practical purposes, independent of the incident neutron energy. Capture cross sections were determined with Moxon-Rae detectors whose response is nominally proportional to the total gamma-ray energy release, independent of the decay mode.

The dynamic range for signal-level recording is obtained by use of an amplifier whose signal output is linear below 1 mV and logarithmic over the next four decades.[2] Each amplifier's response was measured by feeding the amplifier an accurately known nine-step calibration signal ranging from 0.5 mV to 1.5 V, shortly after the neutron pulse had passed.

Permanent recording of the signals from the curium samples was accomplished photographically. The output of each logarithmic amplifier was fed to the vertical deflection plates of a high-speed oscilloscope, and the deflection was recorded on moving film whose motion served as the time base. Lower-resolution data were recorded with cameras which had film speeds of about 30 m/sec, and higher-resolution data were recorded with drum cameras with film speeds of about 250 m/sec. The resolution is determined primarily by the line width of the trace on the film, about 30 μm, giving about 0.1- to 0.2-μsec resolution for the high-resolution data. With a flight path of 250 m, the nominal highest resolution is somewhat less than 1 nsec/m.

This high resolution cannot be realized over the entire energy range, however, because of timing uncertainties introduced by the moderator. The moderated time-of-flight spectrum of a nuclear explosion source at the lower-energy end of the spectrum consists of a 1/E slowing-down spectrum and a thermal Maxwellian. This thermal Maxwellian generally occurs at some tens of eV neutron energy because of heating and recoil of the moderator placed near the nuclear

explosive device. The time history of neutrons emitted from the moderator in this thermal Maxwellian appears to follow the same type of exponential decay as that observed by Fluharty et al.[3] for moderators in the laboratory. In the Physics 8 event, the decay constant was about 4.9 μsec, which determined the time resolution for energies below about 300 eV.

In the Physics 8 event, the curium fission was measured using foils of fissionable material placed sequentially in the neutron beam, with a number of other thin samples and monitor foils. Each foil was viewed by two p-n junction silicon solid-state detectors, at 55 and 90° to the beam. The fissionable material, ranging from 16 to 140 μg, was deposited on stainless steel backings, 3.5 μm thick. The beam was collimated several meters below the first sample, and trimmed to a 1.943-cm-diam circle just below the stack of fission samples. On the sixth floor of a 30-m-high tower, a collimator reduced the beam to a 9.53-mm-diam circle. The beam was then passed through a ribbon of ^{197}Au and ^{238}U, spinning on a drum, to serve as an absolute calibration for Moxon-Rae capture detectors.[4] Next, the beam passed through several more samples, one of which was the curium capture sample.

Sample preparation and assay was a crucial part of the experiment. The target material used in most of the fission measurements was electromagnetically separated in an isolated calutron facility at Oak Ridge National Laboratory (ORNL). The ^{248}Cm sample consisted of material from ^{252}Cf decay. The curium capture sample resulted from a high-flux irradiation at the Savannah River Plant, and had a relatively high ^{246}Cm and ^{248}Cm content. The fission foils were prepared by electrodeposition from an organic solvent using a technique described by Kappelmann and Baybarz.[5] Target foils of ^{244}Cm and ^{246}Cm, and a back-up foil of ^{248}Cm were prepared at the Savannah River Laboratory, and were assayed there by detection of the 44-keV ^{244}Cm gamma ray. Target foils of ^{245}Cm, ^{247}Cm, and ^{248}Cm were prepared at ORNL. All target foils were assayed at ORNL and at the Los Alamos Scientific Laboratory (LASL) by low-geometry alpha counting. At LASL, the energy deposited per fission was also determined by observing the pulse-height spectrum of fragments of spontaneous fission incident on a typical solid-state detector in the geometry used in the measurement. Slight corrections in the energy deposit were made both for the differences in detector window thickness and for the expected differences in energy release for spontaneous and neutron-induced fission, as deduced from the systematics discussed by Viola and Seaborg.[6]

The curium capture sample was prepared at Idaho Nuclear Corporation by mixing curium oxide and aluminum powder and pressing them into a wafer. The technique used is very similar to that described by Berreth.[7]

II. DATA REDUCTION

The first step in data processing is to digitize the analog signal recorded on photographic film. For the Physics 8 event, all the curium data were digitized by professional film readers at New Mexico State University. The digitized data were reduced using computer codes developed over the past several years by Seeger[8] at LASL. This data reduction is done in stages: first, the raw readings of oscilloscope deflection recordings (x-y readings) are converted to a voltage signal (detector current through a standard resistor) vs neutron time of flight. Next, signals from flux monitors (detectors viewing ^{235}U and ^{6}Li samples) and background signals are combined to give cross sections as a function of neutron energy; these cross sections are then suitably averaged, because usually more than one detector and recording have been used.

All the curium cross sections reported here were determined relative to the cross section of $^{6}Li(n,t)^{4}He$ below 100 keV, and the fission cross section of ^{235}U above 100 keV. The ^{235}U cross section used as a reference above 100 keV was Davey's evaluated set.[9] The reference cross section of ^{6}Li was that of Schwarz et al.,[10] which seems to be 4% higher between 20 and 80 keV than a more recent determination by Uttley and Diment.[11] The Uttley and Diment determination was not available in tabular form when the curium data were reduced.

A number of corrections were made to the data. All the fission samples contained a sizable fraction of ^{244}Cm and at least traces of the higher mass isotopes, as is shown in Table I. The fission data for each isotope were corrected by subtracting the appropriate fraction of the contaminant cross section for the other isotopes. In virtually every

TABLE I

ISOTOPIC ANALYSIS OF SAMPLES

Sample	% ^{240}Pu	% ^{243}Am	% ^{243}Cm	% ^{244}Cm	% ^{245}Cm	% ^{246}Cm	% ^{247}Cm	% ^{248}Cm
^{244}Cm fission (83.5 μg)	0.7	0.1	0.1	98.5	0.12	0.37	~0.1	~0.1
^{245}Cm fission (34.1 μg)	0.16	--	--	22.98	76.52	0.334	0.0025	0.0016
^{246}Cm fission (16.3 μg)	0.04	0.38	--	4.96	0.164	94.70	0.072	0.068
^{247}Cm fission (26.9 μg)	0.35	--	--	49.88	0.613	26.32	20.9	1.96
^{248}Cm fission (67.6 μg)	0.06	--	--	7.80	0.119	2.71	0.039	89.27
Mixed Cm capture (397 mg)	1.47	1.63	--	79.18	0.68	15.70	0.46	0.88

case, the correction based on the isotopic analysis was sufficient to remove resonance structure caused by the contaminant isotopes. The only exception was the ^{248}Cm sample, which required a 1.3% correction for ^{245}Cm, rather than the 0.13% correction implied by the isotopic analysis. The final cross sections obtained are fission cross sections for a pure isotopic sample, except that fission contributions from the ^{240}Pu and ^{243}Am contaminants were ignored. The ^{244}Cm and ^{246}Cm corrections were particularly large for the ^{247}Cm sample above 1 MeV where the even isotopes show large fission cross sections.

The capture cross section obtained with the sample of mixed isotopes required complete renormalization because only about half the sample was in the neutron beam. The sample was radiographed after the experiment, and the radiograph showed that the curium wafer had shifted in the sample can, presumably in shipment. The renormalization was carried out on the following basis. The Moxon-Rae capture detector is sensitive to gamma radiation from fission as well as to that from radiative capture, and the relative efficiencies of the detector to fission and capture radiation are known from previous measurements on ^{238}Pu by Silbert et al.[12] and from Physics 8 measurements on ^{239}Pu by Farrell et al.[13] The raw curium gamma-ray signals showed a large effect near 1 MeV which is due purely to prompt fission gammas from the even isotopes above the fission threshold. The final capture cross section was renormalized by requiring that this fission gamma component disappear when the fission contribution was subtracted to obtain the radiative capture cross section.

An attempt was also made to determine the total cross section of ^{244}Cm by placing matched ^{6}Li samples above and below the curium capture sample. Because this sample did not completely cover the beam, these data were also renormalized using the capture results to determine the fraction of the beam that missed the sample. Because this procedure introduced sizeable errors in the results, total cross sections are not included here. However, the transmission data did permit adequate sample self-shielding corrections to be made to the capture cross section. Multiple scattering corrections were not applied to the capture cross sections. These corrections were calculated and found to be less than 3% everywhere except over the large ^{244}Cm resonance at 86 eV, where they reached 6.2%.

Fission backgrounds, determined to an accuracy of about 10%, were taken by measuring the signal from the blank stainless steel backings. In the resolved resonance region, these backgrounds corresponded to a cross section of 0.05, 0.15, 0.3, 0.3, and 0.08 b for the ^{244}Cm, ^{245}Cm, ^{246}Cm, ^{247}Cm, and ^{248}Cm targets, respectively. Signal-to-background levels in the unresolved region (above 1 keV), are summarized in Table II. The background for the curium capture sample was determined by detecting the signal from a canned wafer of bismuth, pressed with aluminum, which had been calculated to have the same effective macroscopic scattering cross section as the curium sample while yielding no gamma radiation. For the capture sample, the background level was equivalent to an effective cross section of 10 to 15 b over most of the energy region below 100 keV, and represents an effective upper limit of ~10 keV above which the capture cross section was not determined from the present measurements.

The fission cross sections were not corrected

TABLE II

RELATIVE SIZES OF BACKGROUNDS FOR THE CM-FISSION CROSS SECTIONS

(The quantity tabulated is the ratio of the observed background level to the observed signal before background subtraction.)

Energy	^{244}Cm	^{245}Cm	^{246}Cm	^{247}Cm	^{248}Cm
5 MeV	0.5	0.63	0.9	0.7	0.6
3 MeV	0.2	0.3	0.6	0.3	0.3
2 MeV	0.07	0.08	0.3	0.1	0.09
1 MeV	0.02	0.03	0.1	0.04	0.03
500 keV	0.06	0.03	0.5	0.04	0.2
200 keV	0.4	0.03	0.7	0.04	0.5
100 keV	0.4	0.03	0.9	0.04	0.6
50 keV	0.4	0.02	0.9	0.04	0.6
20 keV	0.4	0.02	0.9	0.04	0.6
10 keV	0.4	0.02	0.9	0.03	0.5
5 keV	0.4	0.01	0.9	0.03	0.4
2 keV	0.3	0.01	0.9	0.03	0.4
1 keV	0.2	0.01	0.9	0.03	0.3

for the capture gammas and conversion electrons detected by the fission fragment detectors. The efficiency of these bare detectors for detecting capture events yielding only gamma radiation is about 0.1% of the efficiency for detecting fission events. The detection of conversion electrons can enhance the apparent gamma efficiency by a factor of 2 or more, depending on the details of the cascade and the conversion electron yield. Thus, all the resonances observed in capture can be expected to be observed in the fission measurement whether fission actually takes place or not, with an apparent lower fission-width limit of 0.1 to 0.2% of the capture width, or roughly 0.06 meV.

Low- and high-resolution signal recordings were averaged below 300 eV, where the experimental resolution is determined by the moderator, and between 1 and 100 keV where the resolution function becomes larger than the resonance spacing. High-resolution recordings were used exclusively between 300 and 1000 eV for the ^{244}Cm, ^{245}Cm, ^{247}Cm, and capture samples, and above 100 keV for all samples.

The data obtained are listed in Appendixes I through VIII. The data analysis is reported elsewhere.[14]

III. ACKNOWLEDGMENTS

We thank C. E. Bemis, Jr., of the Oak Ridge National Laboratory, who assayed the fission foils by low-geometry alpha counting. It was through the interest and encouragement of B. C. Rusche of the Savannah River Laboratory that arrangement was made for the loan and fabrication of samples, making the entire measurement possible.

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APPENDIX I

FISSION CROSS SECTION OF 244CM

E(EV)	S(B)	DS/S	E(EV)	S(B)	DS/S	E(EV)	S(B)	DS/S
2.8303E+06	1.99	.078	2.3270E+05	.06	.299	6.4481E+04	.05	.895
2.5313E+06	2.00	.072	2.2281E+05	.05	.330	6.2303E+04	.06	.856
2.2773E+06	1.91	.071	2.1810E+05	.08	.255	5.9899E+04	.06	.927
2.0597E+06	1.92	.072	2.0912E+05	.05	.370	5.7948E+04	.07	.797
1.8718E+06	1.80	.072	2.0484E+05	.06	.322	5.6090E+04	.06	.840
1.7086E+06	1.69	.072	1.9666E+05	.07	.281	5.4321E+04	.07	.810
1.5658E+06	1.73	.071	1.9275E+05	.08	.257	5.2633E+04	.07	.740
1.4402E+06	1.77	.072	1.8528E+05	.05	.366	5.1024E+04	.07	.715
1.3291E+06	1.84	.073	1.7995E+05	.06	.323	4.9486E+04	.07	.729
1.2304E+06	1.99	.073	1.7485E+05	.05	.368	4.8018E+04	.06	.770
1.1150E+06	2.03	.076	1.6997E+05	.04	.412	4.6614E+04	.06	.815
1.0633E+06	2.10	.073	1.6529E+05	.07	.296	4.5270E+04	.05	.965
9.7014E+05	2.00	.071	1.6080E+05	.06	.359	4.3984E+04	.05	1.007
9.2808E+05	1.99	.076	1.5648E+05	.06	.396	4.2752E+04	.06	1.022
8.5178E+05	1.90	.077	1.5234E+05	.05	.463	4.1378E+04	.06	.950
8.1711E+05	1.63	.075	1.4837E+05	.04	.569	4.0253E+04	.05	1.052
7.5383E+05	1.49	.071	1.4454E+05	.07	.389	3.9174E+04	.05	1.091
7.2491E+05	1.52	.072	1.3967E+05	.04	.512	3.8137E+04	.06	1.209
6.7186E+05	1.19	.074	1.3732E+05	.04	.502	3.7140E+04	.06	1.248
6.4749E+05	1.03	.076	1.3281E+05	.04	.442	3.6183E+04	.08	1.124
6.0256E+05	.88	.078	1.3063E+05	.05	.421	3.5262E+04	.10	.993
5.8183E+05	.70	.078	1.2644E+05	.04	.485	3.4375E+04	.11	.825
5.4346E+05	.61	.083	1.2442E+05	.03	.688	3.3522E+04	.07	.916
5.2568E+05	.51	.080	1.2052E+05	.04	.557	3.2700E+04	.06	.574
4.9264E+05	.50	.084	1.1864E+05	.03	.790	3.1908E+04	.06	.881
4.6987E+05	.37	.088	1.1501E+05	.04	.564	3.1144E+04	.07	.785
4.4864E+05	.28	.103	1.1326E+05	.04	.609	3.0287E+04	.08	.806
4.2881E+05	.25	.106	1.0987E+05	.02	.834	2.9580E+04	.08	.923
4.1027E+05	.20	.111	1.0823E+05	.05	.474	2.8898E+04	.08	1.058
3.9291E+05	.20	.112	1.0506E+05	.05	.482	2.8240E+04	.07	1.053
3.7663E+05	.21	.113	1.0353E+05	.07	.392	2.7603E+04	.06	1.120
3.6134E+05	.17	.134	1.0056E+05	.05	.495	2.6988E+04	.06	1.058
3.4696E+05	.16	.131	9.8422E+04	.05	.642	2.6393E+04	.07	.874
3.3342E+05	.17	.127	9.4340E+04	.05	.853	2.5817E+04	.05	.663
3.2066E+05	.12	.162	9.0507E+04	.05	.949	2.5261E+04	.06	.903
3.0862E+05	.13	.151	8.6902E+04	.07	.988	2.4722E+04	.05	.978
2.9360E+05	.11	.178	8.3509E+04	.07	.886	2.4200E+04	.06	.973
2.8649E+05	.09	.204	8.0311E+04	.06	.875	2.3694E+04	.07	.902
2.7303E+05	.10	.205	7.7293E+04	.07	.783	2.3204E+04	.07	.789
2.6665E+05	.06	.275	7.4442E+04	.06	.857	2.2652E+04	.07	.973
2.5455E+05	.08	.223	7.1746E+04	.05	.829	2.2194E+04	.06	1.093
2.4881E+05	.09	.214	6.9193E+04	.05	1.010	2.1749E+04	.09	.796
2.3789E+05	.07	.278	6.6775E+04	.05	.997	2.1318E+04	.09	.861

E(EV)	S(8)	OS/S	E(EV)	S(8)	DS/S	E(EV)	S(8)	DS/S
2.0900E+04	.10	.694	9.8022E+03	.10	.949	5.6774E+03	.09	1.380
2.0493E+04	.11	.615	9.6712E+03	.10	1.185	5.6195E+03	.12	.956
2.0099E+04	.10	.684	9.5427E+03	.07	1.537	5.5625E+03	.10	1.200
1.9716E+04	.07	1.098	9.4168E+03	.08	1.325	5.4971E+03	.11	1.107
1.9343E+04	.09	.834	9.2934E+03	.08	1.181	5.4419E+03	.09	1.381
1.8982E+04	.09	.750	9.1724E+03	.09	1.181	5.3876E+03	.11	1.283
1.8630E+04	.09	.725	9.0537E+03	.08	1.176	5.3340E+03	.11	1.157
1.8288E+04	.07	1.057	8.9373E+03	.08	1.090	5.2813E+03	.09	1.315
1.7900E+04	.07	1.102	8.8232E+03	.08	1.167	5.2294E+03	.09	1.111
1.7578E+04	.07	1.017	8.7112E+03	.09	1.228	5.1782E+03	.09	1.123
1.7264E+04	.08	.873	8.6014E+03	.10	1.069	5.1277E+03	.08	1.152
1.6959E+04	.09	.923	8.4936E+03	.12	.917	5.0780E+03	.05	2.054
1.6662E+04	.08	1.039	8.3704E+03	.13	.895	5.0290E+03	.07	1.544
1.6372E+04	.10	.843	8.2669E+03	.11	.965	4.9807E+03	.06	1.598
1.6090E+04	.08	.968	8.1653E+03	.13	1.021	4.9331E+03	.07	1.297
1.5815E+04	.08	.879	8.0656E+03	.09	1.343	4.8785E+03	.09	1.086
1.5547E+04	.08	1.060	7.9677E+03	.08	1.322	4.8323E+03	.07	1.396
1.5286E+04	.06	1.247	7.8715E+03	.06	.769	4.7868E+03	.05	1.783
1.5031E+04	.06	.867	7.7771E+03	.09	1.153	4.7420E+03	.06	1.796
1.4783E+04	.06	1.188	7.6844E+03	.09	1.372	4.6978E+03	.09	1.260
1.4501E+04	.04	1.563	7.5934E+03	.09	1.374	4.6542E+03	.10	1.204
1.4266E+04	.05	1.505	7.5039E+03	.08	1.482	4.6112E+03	.11	1.189
1.4036E+04	.07	1.741	7.4160E+03	.10	.501	4.5688E+03	.10	1.620
1.3812E+04	.08	1.061	7.3297E+03	.11	1.043	4.5269E+03	.08	1.999
1.3593E+04	.07	1.106	7.2308E+03	.07	.700	4.4857E+03	.09	1.787
1.3379E+04	.07	1.092	7.1477E+03	.12	.862	4.4450E+03	.10	1.632
1.3171E+04	.07	1.121	7.0660E+03	.10	1.022	4.4049E+03	.11	1.472
1.2967E+04	.06	1.288	6.9856E+03	.12	.974	4.3587E+03	.09	1.644
1.2768E+04	.06	1.239	6.9067E+03	.12	.919	4.3197E+03	.07	2.173
1.2573E+04	.04	.961	6.8291E+03	.09	1.149	4.2813E+03	.09	1.663
1.2383E+04	.05	1.528	6.7527E+03	.11	1.096	4.2433E+03	.10	1.497
1.2197E+04	.06	1.304	6.6777E+03	.11	1.235	4.2059E+03	.09	1.684
1.2016E+04	.08	1.141	6.6039E+03	.14	.960	4.1689E+03	.09	1.648
1.1809E+04	.10	1.080	6.5313E+03	.15	.975	4.1325E+03	.12	1.358
1.1636E+04	.07	1.404	6.4599E+03	.09	1.545	4.0965E+03	.16	1.035
1.1466E+04	.09	.992	6.3896E+03	.10	1.243	4.0609E+03	.14	1.228
1.1301E+04	.11	.799	6.3091E+03	.09	1.241	4.0259E+03	.17	1.112
1.1138E+04	.10	.856	6.2413E+03	.11	.965	3.9913E+03	.17	1.175
1.0980E+04	.08	1.217	6.1746E+03	.08	.673	3.9571E+03	.17	1.170
1.0825E+04	.07	1.594	6.1090E+03	.14	.759	3.9178E+03	.17	1.130
1.0673E+04	.09	1.262	6.0444E+03	.14	.804	3.8846E+03	.14	1.283
1.0524E+04	.08	1.098	5.9808E+03	.13	1.157	3.8518E+03	.11	.775
1.0378E+04	.08	.586	5.9182E+03	.13	1.188	3.8194E+03	.05	3.966
1.0235E+04	.09	1.111	5.8566E+03	.14	1.079	3.7874E+03	.05	2.967
1.0095E+04	.08	1.193	5.7959E+03	.17	.797	3.7558E+03	.09	2.020
9.9359E+03	.09	1.015	5.7362E+03	.06	2.071	3.7246E+03	.09	1.674

E(EV)	S(B)	DS/S	E(EV)	S(B)	DS/S	E(EV)	S(B)	DS/S
3.6938E+03	.07	1.992	2.5938E+03	.14	1.523	1.9210E+03	.13	1.680
3.6634E+03	.08	2.014	2.5759E+03	.16	1.390	1.9077E+03	.36	.847
3.6334E+03	.08	2.151	2.5581E+03	.11	1.728	1.8964E+03	.39	.820
3.6037E+03	.09	1.955	2.5406E+03	.07	2.523	1.8852E+03	.15	1.660
3.5744E+03	.10	1.531	2.5232E+03	.12	1.713	1.8741E+03	.03	5.540
3.5454E+03	.09	1.846	2.5061E+03	.15	1.579	1.8631E+03	.11	1.996
3.5121E+03	.08	2.151	2.4890E+03	.14	1.696	1.8521E+03	.13	2.127
3.4838E+03	.09	1.944	2.4722E+03	.14	1.712	1.8413E+03	.09	2.401
3.4560E+03	.09	1.918	2.4555E+03	.09	2.458	1.8306E+03	.10	2.056
3.4284E+03	.10	1.677	2.4363E+03	.14	1.542	1.8182E+03	.14	1.386
3.4012E+03	.14	1.371	2.4200E+03	.20	1.217	1.8077E+03	.09	1.994
3.3743E+03	.12	1.544	2.4038E+03	.16	1.479	1.7972E+03	.05	4.109
3.3478E+03	.17	.698	2.3878E+03	.13	1.628	1.7869E+03	.05	3.812
3.3215E+03	.12	1.544	2.3720E+03	.11	1.942	1.7767E+03	.09	2.227
3.2956E+03	.10	1.832	2.3563E+03	.10	1.917	1.7665E+03	.13	1.766
3.2699E+03	.10	1.836	2.3408E+03	.10	1.846	1.7564E+03	.13	1.736
3.2446E+03	.11	1.937	2.3254E+03	.12	1.794	1.7464E+03	.15	1.592
3.2195E+03	.09	2.094	2.3102E+03	.28	.844	1.7365E+03	.27	1.087
3.1906E+03	.07	2.373	2.2952E+03	.13	1.360	1.7267E+03	.18	1.443
3.1662E+03	.07	2.479	2.2803E+03	.02	7.447	1.7170E+03	.11	2.170
3.1421E+03	.11	1.609	2.2655E+03	.02	10.110	1.7073E+03	.07	2.820
3.1182E+03	.17	1.189	2.2484E+03	.03	6.563	1.6962E+03	.06	3.258
3.0946E+03	.17	1.291	2.2340E+03	.05	3.520	1.6867E+03	.14	.942
3.0712E+03	.16	1.342	2.2196E+03	.05	3.713	1.6773E+03	.11	2.022
3.0482E+03	.13	1.527	2.2055E+03	.06	3.187	1.6679E+03	.19	1.552
3.0254E+03	.09	1.966	2.1914E+03	.06	2.856	1.6587E+03	.39	1.565
3.0028E+03	.10	1.689	2.1775E+03	.08	2.390	1.6495E+03	.26	1.104
2.9805E+03	.15	1.327	2.1637E+03	.10	1.493	1.6404E+03	.16	.940
2.9584E+03	.13	1.413	2.1501E+03	.08	2.207	1.6314E+03	.23	1.456
2.9366E+03	.11	1.587	2.1365E+03	.09	3.002	1.6225E+03	.23	1.375
2.9114E+03	.13	1.778	2.1231E+03	.22	.666	1.6136E+03	.24	1.169
2.8901E+03	.13	1.685	2.1099E+03	.11	1.764	1.6048E+03	.25	1.140
2.8691E+03	.10	1.726	2.0967E+03	.16	1.563	1.5961E+03	.27	.879
2.8482E+03	.08	2.045	2.0815E+03	.18	1.413	1.5874E+03	.28	1.027
2.8276E+03	.09	2.079	2.0686E+03	.18	1.413	1.5774E+03	.28	1.226
2.8072E+03	.08	2.142	2.0559E+03	.11	2.023	1.5689E+03	.23	1.718
2.7871E+03	.07	2.698	2.0432E+03	.12	1.861	1.5605E+03	.18	1.951
2.7671E+03	.04	4.076	2.0307E+03	.15	1.472	1.5521E+03	.16	1.730
2.7474E+03	.07	2.809	2.0183E+03	.20	1.289	1.5438E+03	.07	1.741
2.7279E+03	.08	2.564	2.0060E+03	.17	1.295	1.5356E+03	.15	1.776
2.7085E+03	.07	2.472	1.9938E+03	.21	1.194	1.5274E+03	.12	1.965
2.6894E+03	.04	3.927	1.9817E+03	.25	1.130	1.5193E+03	.09	2.628
2.6705E+03	.06	2.638	1.9697E+03	.23	1.219	1.5113E+03	.09	1.734
2.6487E+03	.09	2.067	1.9579E+03	.21	1.261	1.5033E+03	.08	1.902
2.6302E+03	.12	1.753	1.9461E+03	.15	1.497	1.4954E+03	.08	1.920
2.6119E+03	.14	1.520	1.9345E+03	.08	2.192	1.4875E+03	.22	.759

E(EV)	S(B)	DS/S	E(EV)	S(B)	DS/S	E(EV)	S(B)	DS/S
1.4784E+03	.07	2.138	1.1748E+03	.09	1.834	9.9182E+02	.04	2.057
1.4707E+03	.07	2.284	1.1693E+03	.16	1.259	9.9111E+02	.04	2.342
1.4631E+03	.03	3.676	1.1639E+03	.17	1.062	9.9040E+02	.04	2.454
1.4555E+03	.08	1.775	1.1576E+03	.29	.643	9.8969E+02	.03	2.243
1.4479E+03	.06	2.100	1.1523E+03	.01	13.808	9.8899E+02	.02	3.284
1.4405E+03	.08	1.933	1.1469E+03	.11	1.809	9.8758E+02	.06	1.733
1.4330E+03	.07	2.054	1.1417E+03	.14	1.256	9.8687E+02	.06	1.845
1.4257E+03	.06	2.348	1.1364E+03	.15	1.198	9.8617E+02	.04	1.915
1.4184E+03	.07	1.953	1.1312E+03	.16	1.053	9.8547E+02	.06	2.106
1.4111E+03	.14	1.191	1.1261E+03	.21	.885	9.8406E+02	.07	1.037
1.4039E+03	.23	.777	1.1209E+03	.12	1.271	9.8336E+02	.07	1.344
1.3968E+03	.25	.822	1.1158E+03	.07	2.160	9.8266E+02	.09	1.213
1.3885E+03	.18	1.111	1.1108E+03	.04	4.130	9.8196E+02	.09	1.058
1.3815E+03	.11	1.628	1.1057E+03	.07	2.400	9.8126E+02	.08	1.430
1.3745E+03	.07	2.233	1.1008E+03	.11	1.388	9.7987E+02	.08	1.306
1.3676E+03	.10	1.720	1.0950E+03	.10	1.661	9.7917E+02	.06	1.927
1.3607E+03	.14	1.191	1.0901E+03	.18	.931	9.7848E+02	.04	2.428
1.3539E+03	.14	1.202	1.0852E+03	.11	1.572	9.7778E+02	.05	1.731
1.3472E+03	.11	1.406	1.0803E+03	.06	2.313	9.7709E+02	.05	2.158
1.3404E+03	.11	1.453	1.0755E+03	.03	4.264	9.7570E+02	.04	2.075
1.3338E+03	.14	1.070	1.0707E+03	.03	4.538	9.7501E+02	.07	1.482
1.3272E+03	.19	.919	1.0659E+03	.06	2.340	9.7432E+02	.24	.535
1.3206E+03	.22	.787	1.0612E+03	.07	2.401	9.7363E+02	.40	.552
1.3141E+03	.20	.881	1.0565E+03	.04	4.532	9.7225E+02	.35	.384
1.3066E+03	.17	.990	1.0519E+03	.03	5.729	9.7156E+02	.18	.666
1.3001E+03	.11	1.405	1.0472E+03	.03	4.540	9.7088E+02	.12	.969
1.2938E+03	.09	1.638	1.0426E+03	.01	11.668	9.7019E+02	.09	1.094
1.2874E+03	.07	1.842	1.0373E+03	.04	4.017	9.6951E+02	.07	1.602
1.2812E+03	.07	2.090	1.0328E+03	.05	3.504	9.6814E+02	.08	1.203
1.2750E+03	.04	4.096	1.0282E+03	.03	5.095	9.6745E+02	.07	1.316
1.2688E+03	.06	2.365	1.0238E+03	-.00	36.901	9.6677E+02	.03	2.470
1.2626E+03	.06	2.327	1.0193E+03	-.03	4.473	9.6609E+02	.00	39.912
1.2566E+03	.06	2.105	1.0149E+03	-.01	9.799	9.6472E+02	-.01	4.312
1.2505E+03	.08	2.011	1.0105E+03	.02	8.108	9.6404E+02	-.00	88.097
1.2445E+03	.06	2.761	1.0062E+03	.09	1.937	9.6337E+02	.04	2.339
1.2385E+03	.16	1.092	1.0018E+03	.15	.813	9.6269E+02	.06	1.590
1.2316E+03	.06	2.823	1.0011E+03	.23	.878	9.6201E+02	.04	2.451
1.2258E+03	.11	1.458	9.9967E+02	.05	1.623	9.6066E+02	-.02	2.967
1.2199E+03	.14	1.152	9.9895E+02	.03	3.348	9.5998E+02	-.02	2.821
1.2142E+03	.17	.844	9.9823E+02	.03	2.688	9.5931E+02	.03	3.395
1.2084E+03	.11	1.545	9.9751E+02	.04	2.670	9.5863E+02	.07	1.360
1.2027E+03	.21	1.140	9.9609E+02	.04	1.605	9.5796E+02	.06	1.699
1.1970E+03	.10	2.141	9.9537E+02	.02	3.675	9.5661E+02	.02	3.457
1.1914E+03	.11	1.695	9.9466E+02	.04	2.689	9.5594E+02	.02	4.370
1.1858E+03	.14	1.299	9.9395E+02	.07	1.446	9.5527E+02	.04	2.263
1.1803E+03	.17	.995	9.9324E+02	.07	1.619	9.5460E+02	.05	2.179

E(EV)	S(B)	DS/S	E(EV)	S(B)	DS/S	E(EV)	S(B)	DS/S
9.5326E+02	.10	1.041	9.1692E+02	.08	1.653	8.8320E+02	.09	1.435
9.5260E+02	.06	1.795	9.1628E+02	.30	1.885	8.8201E+02	.09	1.057
9.5193E+02	.03	2.704	9.1565E+02	.72	.897	8.8142E+02	.06	1.595
9.5126E+02	.05	1.760	9.1503E+02	.89	.357	8.8083E+02	.04	2.314
9.5060E+02	.06	1.745	9.1440E+02	.83	.401	8.8023E+02	.03	3.631
9.4927E+02	.27	.668	9.1314E+02	.42	.343	8.7905E+02	.02	3.448
9.4860E+02	.45	.604	9.1252E+02	.23	.547	8.7846E+02	.02	5.012
9.4794E+02	.39	.617	9.1189E+02	.07	1.331	8.7787E+02	.01	9.355
9.4728E+02	.22	.830	9.1127E+02	.04	1.669	8.7728E+02	.01	12.437
9.4595E+02	.09	.968	9.1064E+02	.06	1.953	8.7669E+02	.01	9.627
9.4529E+02	.09	1.085	9.0940E+02	.09	1.030	8.7551E+02	.06	1.678
9.4463E+02	.06	1.489	9.0878E+02	.08	1.283	8.7492E+02	.18	.978
9.4398E+02	.04	1.928	9.0815E+02	.06	1.646	8.7433E+02	.37	.674
9.4332E+02	.03	2.922	9.0753E+02	.05	2.445	8.7375E+02	.48	.866
9.4200E+02	.11	1.033	9.0629E+02	.05	1.533	8.7258E+02	.56	.474
9.4135E+02	.07	1.608	9.0567E+02	.06	1.652	8.7199E+02	.33	.662
9.4069E+02	.00	26.494	9.0505E+02	.07	1.459	8.7140E+02	.15	.873
9.4004E+02	.02	4.462	9.0444E+02	.08	1.301	8.7082E+02	.28	.605
9.3938E+02	.04	2.699	9.0382E+02	.08	1.688	8.7024E+02	.47	.693
9.3808E+02	.17	.682	9.0259E+02	.10	1.095	8.6907E+02	.38	.389
9.3742E+02	.10	1.082	9.0197E+02	.11	1.090	8.6849E+02	.82	.373
9.3677E+02	.06	1.520	9.0136E+02	.15	.788	8.6791E+02	1.42	.291
9.3612E+02	.08	1.705	9.0074E+02	.19	.598	8.6733E+02	1.97	.200
9.3482E+02	.11	.820	9.0013E+02	.19	.766	8.6675E+02	2.23	.224
9.3417E+02	.10	1.055	8.9890E+02	.12	.883	8.6560E+02	.43	.341
9.3353E+02	.09	1.193	8.9829E+02	.13	.945	8.6502E+02	.38	.502
9.3288E+02	.08	1.153	8.9768E+02	.16	.778	8.6444E+02	.50	.408
9.3223E+02	.07	1.509	8.9707E+02	.17	.965	8.6386E+02	.47	.513
9.3094E+02	.06	1.387	8.9585E+02	.07	1.212	8.6271E+02	.14	.697
9.3030E+02	.05	1.670	8.9524E+02	.07	1.387	8.6214E+02	.27	.597
9.2965E+02	.04	1.994	8.9464E+02	.09	1.174	8.6156E+02	.49	.446
9.2901E+02	.03	2.702	8.9403E+02	.10	1.006	8.6099E+02	.49	.409
9.2837E+02	.02	5.249	8.9342E+02	.10	1.336	8.6041E+02	.38	.598
9.2708E+02	.29	.717	8.9221E+02	.09	1.136	8.5927E+02	.83	.291
9.2644E+02	.13	1.439	8.9161E+02	.11	1.142	8.5870E+02	.80	.287
9.2580E+02	.05	1.813	8.9100E+02	.14	.936	8.5813E+02	.49	.372
9.2517E+02	.05	2.372	8.9040E+02	.14	1.158	8.5756E+02	.42	.424
9.2389E+02	.07	1.405	8.8919E+02	.09	.986	8.5699E+02	.36	.537
9.2325E+02	.09	1.594	8.8859E+02	.05	1.713	8.5585E+02	.18	.695
9.2262E+02	.14	1.280	8.8799E+02	.11	1.097	8.5528E+02	.10	1.048
9.2198E+02	.14	1.088	8.8739E+02	.24	.642	8.5471E+02	.16	.824
9.2134E+02	.12	1.451	8.8679E+02	.29	.780	8.5415E+02	.22	.984
9.2008E+02	.02	6.346	8.8559E+02	.23	.585	8.5301E+02	.08	1.487
9.1944E+02	.02	6.125	8.8499E+02	.10	1.010	8.5245E+02	.10	1.144
9.1881E+02	.03	2.946	8.8440E+02	.09	1.288	8.5188E+02	.08	1.191
9.1818E+02	.04	3.657	8.8380E+02	.11	1.074	8.5132E+02	.03	2.495

E(EV)	S(B)	DS/S	E(EV)	S(B)	DS/S	E(EV)	S(B)	DS/S
8.5076E+02	.03	3.980	8.2006E+02	.30	.556	7.9101E+02	.77	.374
8.4963E+02	.20	.627	8.1900E+02	.57	.493	7.9000E+02	.11	.895
8.4907E+02	.29	.546	8.1847E+02	.60	.492	7.8949E+02	.08	1.530
8.4851E+02	.41	.493	8.1794E+02	.72	.311	7.8899E+02	.09	1.396
8.4795E+02	.54	.670	8.1741E+02	1.00	.233	7.8849E+02	.08	1.237
8.4683E+02	.28	.476	8.1688E+02	1.11	.293	7.8799E+02	.07	1.586
8.4627E+02	.07	1.094	8.1582E+02	1.03	.296	7.8698E+02	.08	1.173
8.4571E+02	.04	2.307	8.1529E+02	.65	.424	7.8648E+02	.13	.985
8.4515E+02	.06	1.435	8.1476E+02	.41	.388	7.8598E+02	.17	.784
8.4459E+02	.08	1.728	8.1423E+02	.45	.513	7.8548E+02	.15	1.023
8.4348E+02	.09	1.267	8.1318E+02	.11	.729	7.8448E+02	.10	.836
8.4292E+02	.20	.981	8.1265E+02	.14	.987	7.8398E+02	.25	.510
8.4237E+02	.22	.834	8.1213E+02	.20	.764	7.8349E+02	.70	.414
8.4181E+02	.13	.761	8.1160E+02	.21	.586	7.8299E+02	.83	.371
8.4126E+02	.11	1.310	8.1108E+02	.23	.779	7.8249E+02	.60	.423
8.4015E+02	.28	.545	8.1003E+02	.64	.371	7.8150E+02	.13	.925
8.3960E+02	.16	.777	8.0951E+02	.35	.528	7.8100E+02	.40	1.060
8.3905E+02	.11	.993	8.0898E+02	.08	1.093	7.8051E+02	.96	.557
8.3850E+02	.13	1.313	8.0846E+02	.02	3.798	7.8001E+02	2.04	.224
8.3740E+02	.07	1.530	8.0742E+02	.09	1.019	7.7952E+02	2.89	.239
8.3685E+02	.07	1.457	8.0690E+02	.21	.768	7.7853E+02	1.59	.191
8.3630E+02	.10	1.044	8.0638E+02	.23	.737	7.7804E+02	.68	.363
8.3575E+02	.12	.844	8.0586E+02	.22	.572	7.7754E+02	.24	.569
8.3520E+02	.12	1.143	8.0534E+02	.28	.721	7.7705E+02	.20	.869
8.3410E+02	.13	.930	8.0430E+02	.44	.403	7.7607E+02	.06	1.609
8.3356E+02	.09	1.203	8.0378E+02	.51	.403	7.7558E+02	.06	1.946
8.3301E+02	.19	.718	8.0327E+02	.66	.378	7.7509E+02	.07	1.715
8.3247E+02	.24	.547	8.0275E+02	.51	.368	7.7460E+02	.05	5.912
8.3192E+02	.20	.736	8.0224E+02	.38	.486	7.7411E+02	.03	17.626
8.3083E+02	.23	.701	8.0120E+02	.30	.587	7.7313E+02	.03	3.708
8.3029E+02	.37	.570	8.0069E+02	.21	.727	7.7265E+02	.08	1.748
8.2975E+02	.33	.519	8.0018E+02	.21	.663	7.7216E+02	.08	1.394
8.2920E+02	.21	.675	7.9966E+02	.29	.828	7.7167E+02	.07	1.205
8.2812E+02	.74	.374	7.9864E+02	1.11	.258	7.7119E+02	.07	1.724
8.2758E+02	.77	.387	7.9812E+02	.88	.314	7.7022E+02	.09	1.423
8.2704E+02	.68	.398	7.9761E+02	.30	.471	7.6973E+02	.06	1.750
8.2650E+02	.73	.383	7.9710E+02	.16	.677	7.6924E+02	.04	2.016
8.2596E+02	.59	.438	7.9659E+02	.14	.958	7.6876E+02	.04	2.791
8.2488E+02	2.35	.215	7.9557E+02	.16	.781	7.6779E+02	.33	.530
8.2435E+02	6.53	.147	7.9506E+02	.31	.575	7.6731E+02	.30	.606
8.2381E+02	8.19	.134	7.9455E+02	.33	.516	7.6683E+02	.15	.817
8.2327E+02	6.79	.206	7.9404E+02	.16	.595	7.6635E+02	.11	.980
8.2220E+02	1.95	.207	7.9354E+02	.12	1.163	7.6587E+02	.08	1.520
8.2167E+02	1.13	.318	7.9252E+02	.04	2.231	7.6490E+02	.06	1.439
8.2113E+02	.76	.351	7.9202E+02	.24	.567	7.6442E+02	.06	1.595
8.2060E+02	.44	.373	7.9151E+02	.60	.302	7.6394E+02	.09	1.301

E(EV)	S(8)	DS/S	E(EV)	S(8)	DS/S	E(EV)	S(8)	DS/S
7.6347E+02	.11	1.764	7.3734E+02	.03	2.655	7.1253E+02	.12	.948
7.6251E+02	.21	.819	7.3689E+02	.03	4.141	7.1210E+02	.11	1.266
7.6203E+02	.25	.883	7.3598E+02	.07	1.351	7.1124E+02	.05	1.818
7.6155E+02	.27	.758	7.3553E+02	.10	1.153	7.1081E+02	.04	2.990
7.6108E+02	.29	.502	7.3507E+02	.13	.851	7.1038E+02	.04	2.467
7.6060E+02	.30	.652	7.3462E+02	.16	1.013	7.0995E+02	.05	2.642
7.5965E+02	.14	.725	7.3372E+02	.17	.762	7.0909E+02	.03	2.410
7.5917E+02	.40	.579	7.3327E+02	.21	.822	7.0867E+02	.02	3.998
7.5870E+02	.53	.469	7.3282E+02	.31	.646	7.0824E+02	.01	5.631
7.5823E+02	.37	.368	7.3237E+02	.35	.504	7.0781E+02	.03	2.498
7.5775E+02	.36	.523	7.3192E+02	.30	.624	7.0738E+02	.06	2.237
7.5681E+02	.44	.464	7.3102E+02	.04	2.026	7.0653E+02	1.15	.239
7.5633E+02	.45	.490	7.3057E+02	.02	5.488	7.0610E+02	2.33	.183
7.5586E+02	.30	.488	7.3012E+02	.02	3.813	7.0568E+02	3.04	.153
7.5539E+02	.27	.677	7.2967E+02	.04	3.184	7.0525E+02	2.79	.172
7.5445E+02	.11	.960	7.2878E+02	.05	1.686	7.0483E+02	2.40	.310
7.5398E+02	.10	1.178	7.2833E+02	.03	2.656	7.0398E+02	.38	.607
7.5351E+02	.22	.718	7.2789E+02	.03	3.245	7.0356E+02	.19	.709
7.5304E+02	.24	.605	7.2744E+02	.03	2.767	7.0313E+02	.13	.859
7.5257E+02	.16	.814	7.2700E+02	.03	3.947	7.0271E+02	.15	1.046
7.5163E+02	.16	.759	7.2611E+02	.09	1.185	7.0186E+02	.26	.503
7.5117E+02	.17	.802	7.2567E+02	.13	1.077	7.0144E+02	.14	.857
7.5070E+02	.12	.866	7.2522E+02	.13	1.024	7.0102E+02	.09	1.432
7.5023E+02	.12	1.200	7.2478E+02	.12	.852	7.0060E+02	.13	1.021
7.4930E+02	.14	.681	7.2434E+02	.12	1.097	7.0018E+02	.16	1.131
7.4884E+02	.10	1.071	7.2345E+02	.13	.962	6.9934E+02	.23	.610
7.4837E+02	.15	1.016	7.2301E+02	.11	1.197	6.9892E+02	.14	.956
7.4791E+02	.24	.654	7.2257E+02	.05	1.829	6.9850E+02	.06	1.805
7.4744E+02	.26	.720	7.2213E+02	.02	4.650	6.9808E+02	.03	3.494
7.4651E+02	.43	.408	7.2125E+02	.10	1.084	6.9724E+02	.24	.523
7.4605E+02	.31	.589	7.2081E+02	.11	1.197	6.9683E+02	.45	.459
7.4559E+02	.19	.835	7.2037E+02	.09	1.287	6.9641E+02	.58	.407
7.4513E+02	.10	.953	7.1993E+02	.14	.817	6.9599E+02	.53	.359
7.4467E+02	.09	1.410	7.1949E+02	.18	.962	6.9558E+02	.48	.497
7.4374E+02	.06	1.793	7.1862E+02	.06	1.366	6.9474E+02	.29	.473
7.4328E+02	.11	1.256	7.1818E+02	-.01	9.809	6.9433E+02	.43	.491
7.4283E+02	.13	.957	7.1774E+02	-.03	1.478	6.9391E+02	.45	.472
7.4237E+02	.12	1.208	7.1731E+02	-.02	.834	6.9350E+02	.27	.456
7.4145E+02	.16	.713	7.1644E+02	.04	2.340	6.9308E+02	.19	.735
7.4099E+02	.15	.918	7.1600E+02	.06	2.403	6.9226E+02	1.03	.261
7.4053E+02	.12	1.078	7.1557E+02	.07	2.134	6.9184E+02	1.03	.286
7.4008E+02	.10	1.005	7.1513E+02	.07	1.429	6.9143E+02	.48	.383
7.3962E+02	.08	1.427	7.1470E+02	.07	1.868	6.9102E+02	.28	.653
7.3871E+02	.10	1.122	7.1383E+02	.18	.708	6.9019E+02	.05	1.680
7.3825E+02	.08	1.401	7.1340E+02	.19	.785	6.8978E+02	.07	1.465
7.3780E+02	.04	2.152	7.1297E+02	.14	.965	6.8937E+02	.08	1.297

E(EV)	S(B)	DS/S	E(EV)	S(B)	DS/S	E(EV)	S(B)	DS/S
6.8896E+02	.08	1.158	6.6654E+02	.12	1.364	6.4519E+02	.21	.632
6.8855E+02	.09	1.556	6.6615E+02	.12	1.405	6.4482E+02	.16	.886
6.8773E+02	.10	1.008	6.6537E+02	.20	.644	6.4408E+02	.11	1.014
6.8732E+02	.10	1.230	6.6498E+02	.17	.778	6.4371E+02	.15	.868
6.8691E+02	.12	1.129	6.6459E+02	.13	.955	6.4334E+02	.16	.823
6.8650E+02	.10	1.166	6.6420E+02	.11	1.013	6.4297E+02	.11	.931
6.8610E+02	.06	1.923	6.6381E+02	.10	1.505	6.4260E+02	.08	1.550
6.8528E+02	.09	1.147	6.6304E+02	.06	1.647	6.4186E+02	.22	.620
6.8487E+02	.05	1.906	6.6265E+02	.07	1.517	6.4149E+02	.19	.752
6.8447E+02	-.00	32.361	6.6226E+02	.09	1.250	6.4112E+02	.10	1.088
6.8406E+02	.00	38.680	6.6188E+02	.09	1.757	6.4075E+02	.07	1.908
6.8325E+02	.03	2.604	6.6110E+02	.06	1.522	6.4002E+02	.14	.852
6.8285E+02	.03	3.237	6.6072E+02	.03	3.203	6.3965E+02	.20	.742
6.8244E+02	.16	.989	6.6033E+02	.03	3.818	6.3928E+02	.34	.529
6.8204E+02	.28	.623	6.5995E+02	.09	1.342	6.3892E+02	.56	.375
6.8163E+02	.26	.722	6.5956E+02	.12	1.382	6.3855E+02	.66	.475
6.8082E+02	.07	1.377	6.5879E+02	.06	1.729	6.3782E+02	.28	.487
6.8042E+02	.02	4.678	6.5841E+02	.04	2.772	6.3745E+02	.17	.753
6.8002E+02	.01	5.979	6.5803E+02	.04	2.345	6.3709E+02	.16	.812
6.7962E+02	.03	4.755	6.5765E+02	.08	1.331	6.3672E+02	.15	.809
6.7881E+02	.04	2.270	6.5726E+02	.11	1.522	6.3636E+02	.12	1.248
6.7841E+02	.06	1.798	6.5650E+02	.10	1.138	6.3563E+02	.08	1.820
6.7801E+02	.09	1.476	6.5612E+02	.09	1.273	6.3527E+02	.12	1.310
6.7761E+02	.16	.912	6.5574E+02	.10	1.028	6.3490E+02	.15	.864
6.7721E+02	.22	1.043	6.5535E+02	.11	1.329	6.3454E+02	.16	1.032
6.7641E+02	.11	.952	6.5459E+02	.09	1.063	6.3382E+02	.05	1.627
6.7601E+02	.06	1.569	6.5421E+02	.08	1.460	6.3345E+02	.04	2.538
6.7561E+02	.05	2.125	6.5383E+02	.12	1.045	6.3309E+02	.04	2.726
6.7521E+02	.07	1.471	6.5346E+02	.20	.650	6.3273E+02	.05	2.359
6.7482E+02	.09	1.806	6.5308E+02	.23	.852	6.3237E+02	.06	3.180
6.7402E+02	.11	1.015	6.5232E+02	.13	.869	6.3165E+02	.15	.866
6.7362E+02	.26	.713	6.5194E+02	.15	.882	6.3129E+02	.15	.876
6.7323E+02	.33	.593	6.5156E+02	.15	.934	6.3093E+02	.15	.808
6.7283E+02	.27	.822	6.5119E+02	.13	1.478	6.3057E+02	.17	.712
6.7204E+02	.11	.921	6.5043E+02	.41	.404	6.3021E+02	.16	1.014
6.7165E+02	.16	.794	6.5006E+02	.63	.344	6.2949E+02	.12	1.137
6.7125E+02	.26	.678	6.4968E+02	1.06	.270	6.2913E+02	.13	1.013
6.7085E+02	.26	.627	6.4930E+02	1.41	.213	6.2878E+02	.22	.617
6.7046E+02	.22	.843	6.4893E+02	1.49	.276	6.2842E+02	.29	.757
6.6967E+02	.13	.880	6.4818E+02	1.94	.179	6.2770E+02	.14	.783
6.6928E+02	.12	1.010	6.4781E+02	2.33	.184	6.2735E+02	.12	.987
6.6889E+02	.11	1.084	6.4743E+02	1.97	.190	6.2699E+02	.13	.966
6.6849E+02	.10	1.684	6.4706E+02	1.02	.200	6.2663E+02	.13	.881
6.6771E+02	.07	1.477	6.4668E+02	.64	.322	6.2628E+02	.12	1.218
6.6732E+02	.06	1.884	6.4594E+02	.12	.933	6.2557E+02	.14	.898
6.6693E+02	.10	1.745	6.4557E+02	.20	.718	6.2521E+02	.09	1.226

E(EV)	S(B)	DS/S	E(EV)	S(B)	DS/S	E(EV)	S(B)	DS/S
6.2486E+02	.05	1.805	6.0547E+02	.12	1.040	5.8697E+02	.14	1.021
6.2450E+02	.04	3.239	6.0513E+02	.09	.990	5.8665E+02	.14	.795
6.2380E+02	.09	1.202	6.0479E+02	.09	1.456	5.8633E+02	.16	1.008
6.2344E+02	.07	1.530	6.0412E+02	.19	.803	5.8568E+02	.16	.850
6.2309E+02	.08	1.499	6.0378E+02	.20	.853	5.8536E+02	.17	.927
6.2274E+02	.08	1.340	6.0345E+02	.19	.786	5.8504E+02	.22	.738
6.2238E+02	.07	1.959	6.0311E+02	.15	1.040	5.8472E+02	.25	.908
6.2168E+02	.60	.351	6.0244E+02	.15	.892	5.8408E+02	.11	.916
6.2133E+02	1.15	.288	6.0210E+02	.20	.863	5.8376E+02	.11	1.353
6.2098E+02	1.58	.235	6.0177E+02	.23	.761	5.8344E+02	.13	1.345
6.2063E+02	1.48	.196	6.0143E+02	.20	.665	5.8312E+02	.11	1.127
6.2028E+02	1.27	.254	6.0110E+02	.18	.915	5.8280E+02	.11	1.382
6.1958E+02	.19	.682	6.0043E+02	.09	1.286	5.8216E+02	.18	.840
6.1922E+02	.14	.978	6.0010E+02	.11	1.304	5.8184E+02	.17	1.022
6.1888E+02	.15	.810	5.9976E+02	.18	.845	5.8153E+02	.15	.967
6.1853E+02	.16	1.068	5.9943E+02	.22	.979	5.8121E+02	.22	.552
6.1783E+02	.09	1.166	5.9876E+02	.17	.684	5.8089E+02	.28	.676
6.1748E+02	.07	1.564	5.9843E+02	.13	.921	5.8025E+02	.15	1.015
6.1713E+02	.08	1.379	5.9810E+02	.19	.720	5.7994E+02	.10	1.547
6.1678E+02	.08	1.182	5.9777E+02	.43	.408	5.7962E+02	.09	1.384
6.1644E+02	.07	1.750	5.9744E+02	.59	.490	5.7930E+02	.10	1.571
6.1574E+02	.07	1.581	5.9678E+02	1.07	.254	5.7867E+02	.14	.785
6.1540E+02	.07	1.743	5.9644E+02	.84	.322	5.7835E+02	.13	.983
6.1505E+02	.06	1.640	5.9611E+02	.54	.389	5.7804E+02	.12	1.084
6.1470E+02	.09	1.138	5.9578E+02	.37	.406	5.7772E+02	.10	1.060
6.1436E+02	.12	1.388	5.9545E+02	.31	.614	5.7741E+02	.10	1.457
6.1367E+02	1.15	.284	5.9479E+02	.38	.500	5.7678E+02	.14	.841
6.1332E+02	2.54	.228	5.9447E+02	.25	.674	5.7647E+02	.11	1.211
6.1298E+02	2.70	.221	5.9414E+02	.15	.792	5.7615E+02	.11	1.195
6.1263E+02	1.67	.250	5.9381E+02	.13	1.132	5.7584E+02	.12	1.449
6.1195E+02	.16	.774	5.9315E+02	.09	1.136	5.7521E+02	.19	.633
6.1160E+02	.17	.771	5.9283E+02	.11	1.301	5.7490E+02	.13	.944
6.1126E+02	.21	.670	5.9250E+02	.14	1.085	5.7459E+02	.09	1.395
6.1092E+02	.22	.571	5.9217E+02	.16	.754	5.7427E+02	.09	1.210
6.1058E+02	.21	.786	5.9184E+02	.18	.958	5.7396E+02	.10	1.474
6.0989E+02	.14	.942	5.9119E+02	.09	1.148	5.7334E+02	.16	.772
6.0955E+02	.26	.709	5.9086E+02	.09	1.310	5.7303E+02	.18	.852
6.0921E+02	.38	.503	5.9054E+02	.12	.987	5.7272E+02	.15	.967
6.0887E+02	.39	.611	5.9021E+02	.14	.768	5.7240E+02	.11	.984
6.0819E+02	.21	.564	5.8989E+02	.13	1.075	5.7209E+02	.11	1.333
6.0785E+02	.44	.441	5.8924E+02	.08	1.434	5.7147E+02	.16	.793
6.0751E+02	.60	.399	5.8891E+02	.11	1.202	5.7116E+02	.17	.875
6.0717E+02	.50	.408	5.8859E+02	.11	1.134	5.7085E+02	.15	.868
6.0683E+02	.45	.570	5.8827E+02	.09	1.605	5.7054E+02	.12	1.240
6.0615E+02	.18	.751	5.8762E+02	.14	.847	5.6993E+02	.15	.766
6.0581E+02	.15	.987	5.8729E+02	.15	.971	5.6962E+02	.17	.870

E(EV)	S(B)	OS/S	E(EV)	S(8)	OS/S	E(EV)	S(8)	DS/S
5.6931E+02	.14	.990	5.5243E+02	.16	.980	5.3630E+02	.10	1.209
5.6900E+02	.14	.890	5.5214E+02	.12	1.036	5.3601E+02	.09	1.227
5.6869E+02	.15	1.159	5.5184E+02	.10	1.519	5.3573E+02	.09	1.649
5.6808E+02	.14	.861	5.5126E+02	.15	.763	5.3517E+02	.06	1.429
5.6777E+02	.13	1.098	5.5096E+02	.13	.939	5.3489E+02	.05	1.889
5.6747E+02	.13	1.076	5.5067E+02	.09	1.199	5.3461E+02	.06	1.803
5.6716E+02	.13	.852	5.5038E+02	.13	.853	5.3433E+02	.06	1.741
5.6685E+02	.14	1.097	5.5008E+02	.19	.980	5.3405E+02	.05	2.814
5.6624E+02	.16	.884	5.4950E+02	.76	.317	5.3349E+02	.05	1.908
5.6593E+02	.24	.816	5.4921E+02	.67	.388	5.3321E+02	.05	2.248
5.6563E+02	.36	.569	5.4891E+02	.37	.502	5.3293E+02	.05	1.995
5.6532E+02	.41	.660	5.4862E+02	.23	.753	5.3265E+02	.10	1.051
5.6471E+02	.16	.956	5.4804E+02	.04	1.848	5.3237E+02	.14	1.149
5.6441E+02	.09	1.421	5.4775E+02	.02	3.773	5.3182E+02	.46	.417
5.6411E+02	.11	1.148	5.4746E+02	.03	3.366	5.3154E+02	.66	.406
5.6380E+02	.15	.829	5.4717E+02	.05	1.914	5.3126E+02	.72	.359
5.6350E+02	.15	1.023	5.4688E+02	.06	2.265	5.3098E+02	.55	.406
5.6289E+02	.16	.928	5.4630E+02	.08	1.240	5.3043E+02	.17	.708
5.6259E+02	.17	1.009	5.4601E+02	.11	1.083	5.3015E+02	.13	.953
5.6229E+02	.15	1.009	5.4572E+02	.12	1.098	5.2987E+02	.08	1.331
5.6198E+02	.11	1.437	5.4543E+02	.13	.982	5.2960E+02	.08	1.218
5.6138E+02	.07	1.272	5.4514E+02	.15	1.286	5.2932E+02	.10	1.539
5.6108E+02	.08	1.500	5.4456E+02	.11	1.050	5.2877E+02	.09	1.154
5.6078E+02	.09	1.495	5.4428E+02	.10	1.157	5.2849E+02	.12	1.023
5.6047E+02	.10	1.223	5.4399E+02	.07	1.313	5.2822E+02	.15	.853
5.6017E+02	.12	1.483	5.4370E+02	.06	2.097	5.2794E+02	.17	1.212
5.5957E+02	.03	2.336	5.4312E+02	.20	.597	5.2739E+02	.18	.664
5.5927E+02	.04	2.700	5.4284E+02	.25	.691	5.2712E+02	.17	.800
5.5897E+02	.06	2.031	5.4255E+02	.33	.698	5.2684E+02	.16	.864
5.5867E+02	.05	1.706	5.4226E+02	.35	.629	5.2657E+02	.09	1.087
5.5837E+02	.05	2.223	5.4198E+02	.31	.785	5.2629E+02	.05	2.209
5.5778E+02	.04	2.498	5.4140E+02	.06	1.708	5.2575E+02	.09	1.117
5.5748E+02	.03	3.553	5.4112E+02	.06	2.088	5.2547E+02	.10	1.114
5.5718E+02	.05	2.166	5.4083E+02	.06	1.804	5.2520E+02	.08	1.462
5.5688E+02	.08	2.254	5.4055E+02	.08	2.237	5.2493E+02	.05	2.036
5.5628E+02	.09	1.113	5.3998E+02	.14	.775	5.2465E+02	.05	3.322
5.5599E+02	.08	1.381	5.3969E+02	.15	.859	5.2411E+02	.08	1.473
5.5569E+02	.08	1.557	5.3941E+02	.13	1.041	5.2384E+02	.09	1.363
5.5539E+02	.07	1.545	5.3912E+02	.12	1.094	5.2356E+02	.16	.933
5.5509E+02	.07	2.086	5.3884E+02	.12	1.561	5.2329E+02	.20	1.194
5.5450E+02	.12	1.076	5.3827E+02	.08	1.169	5.2275E+02	.06	1.548
5.5421E+02	.15	1.095	5.3799E+02	.08	1.417	5.2248E+02	.05	2.160
5.5391E+02	.12	1.209	5.3771E+02	.07	1.725	5.2221E+02	.23	.667
5.5361E+02	.07	2.199	5.3742E+02	.05	1.853	5.2194E+02	1.09	.250
5.5302E+02	.12	.828	5.3714E+02	.04	3.052	5.2167E+02	1.79	.281
5.5273E+02	.17	.866	5.3658E+02	.10	1.089	5.2113E+02	5.04	.124

E(EV)	S(B)	DS/S	E(EV)	S(B)	DS/S	E(EV)	S(B)	DS/S
5.2086E+02	5.23	.136	5.0608E+02	-.00	25.461	4.9192E+02	.97	.304
5.2059E+02	4.57	.138	5.0582E+02	.00	19.254	4.9167E+02	.73	.320
5.2032E+02	4.04	.191	5.0556E+02	.01	8.374	4.9142E+02	.57	.316
5.1978E+02	.60	.316	5.0530E+02	.00	99.809	4.9117E+02	.42	.452
5.1951E+02	.28	.555	5.0479E+02	.01	10.682	4.9068E+02	.33	.647
5.1924E+02	.18	.808	5.0453E+02	.01	11.312	4.9043E+02	.29	.731
5.1897E+02	.09	1.262	5.0427E+02	.01	13.232	4.9019E+02	.23	.615
5.1871E+02	.07	2.239	5.0401E+02	-.00	32.036	4.8994E+02	.29	.759
5.1817E+02	.06	1.441	5.0350E+02	.20	.704	4.8945E+02	.76	.288
5.1790E+02	.09	1.248	5.0325E+02	.26	.630	4.8920E+02	.70	.356
5.1763E+02	.09	1.217	5.0299E+02	.21	.684	4.8896E+02	.51	.425
5.1737E+02	.07	1.426	5.0273E+02	.23	.579	4.8871E+02	.43	.384
5.1710E+02	.06	2.334	5.0248E+02	.30	.758	4.8847E+02	.45	.526
5.1657E+02	.12	1.009	5.0197E+02	.13	.900	4.8798E+02	.29	.475
5.1630E+02	.09	1.319	5.0171E+02	.09	1.428	4.8773E+02	.12	.892
5.1604E+02	.04	2.556	5.0146E+02	.05	2.000	4.8749E+02	.07	1.459
5.1577E+02	.01	9.156	5.0120E+02	.05	3.115	4.8725E+02	.07	1.341
5.1524E+02	.16	.776	5.0069E+02	.16	.879	4.8700E+02	.06	1.997
5.1497E+02	.23	.648	5.0044E+02	.07	1.717	4.8651E+02	.04	2.612
5.1471E+02	.41	.476	5.0019E+02	.01	16.611	4.8627E+02	.02	5.108
5.1444E+02	.45	.395	4.9993E+02	.00	35.276	4.8603E+02	.03	3.600
5.1418E+02	.38	.528	4.9968E+02	-.00	92.111	4.8578E+02	.03	3.708
5.1365E+02	.09	1.091	4.9917E+02	.04	2.244	4.8530E+02	.17	.835
5.1339E+02	.24	.646	4.9892E+02	.04	2.832	4.8506E+02	.21	.830
5.1312E+02	.60	.371	4.9867E+02	.03	2.645	4.8481E+02	.18	.819
5.1286E+02	.78	.285	4.9841E+02	.04	2.046	4.8457E+02	.18	.636
5.1260E+02	.74	.377	4.9816E+02	.04	2.981	4.8433E+02	.21	.841
5.1207E+02	.65	.396	4.9766E+02	-.03	2.129	4.8385E+02	.24	.635
5.1181E+02	.56	.409	4.9741E+02	-.04	1.642	4.8361E+02	.15	1.006
5.1154E+02	.53	.377	4.9716E+02	-.04	1.445	4.8336E+02	.10	1.249
5.1128E+02	.57	.529	4.9690E+02	-.03	3.238	4.8312E+02	.10	1.579
5.1076E+02	.27	.541	4.9640E+02	.06	1.563	4.8264E+02	.14	.797
5.1050E+02	.22	.691	4.9615E+02	.08	1.530	4.8240E+02	.08	1.459
5.1023E+02	.18	.773	4.9590E+02	.07	1.636	4.8216E+02	.03	3.126
5.0997E+02	.13	.808	4.9565E+02	.10	1.071	4.8192E+02	.06	1.661
5.0971E+02	.10	1.229	4.9540E+02	.15	1.288	4.8168E+02	.09	1.620
5.0919E+02	.27	.622	4.9490E+02	.17	.859	4.8120E+02	.35	.427
5.0893E+02	.23	.736	4.9465E+02	.11	1.288	4.8096E+02	.29	.569
5.0867E+02	.13	.900	4.9440E+02	.04	2.203	4.8072E+02	.24	.699
5.0841E+02	.09	1.446	4.9415E+02	.03	2.634	4.8048E+02	.15	.793
5.0789E+02	.14	.823	4.9390E+02	.03	3.823	4.8025E+02	.09	1.340
5.0763E+02	.21	.698	4.9340E+02	.35	.563	4.7977E+02	.08	1.242
5.0737E+02	.24	.633	4.9316E+02	.58	.400	4.7953E+02	.32	.571
5.0711E+02	.20	.645	4.9291E+02	.82	.293	4.7929E+02	.52	.395
5.0685E+02	.15	.989	4.9266E+02	.91	.390	4.7905E+02	.55	.503
5.0633E+02	.03	2.740	4.9216E+02	1.39	.238	4.7858E+02	.15	.759

E(EV)	S(B)	DS/S	E(EV)	S(B)	DS/S	E(EV)	S(B)	DS/S
4.7834E+02	.07	1.751	4.6532E+02	.21	.650	4.5283E+02	.06	1.775
4.7810E+02	.03	3.509	4.6509E+02	.19	.766	4.5261E+02	.08	1.664
4.7787E+02	.01	10.071	4.6487E+02	.20	.644	4.5239E+02	.16	.883
4.7763E+02	.00	30.135	4.6464E+02	.22	.844	4.5217E+02	.21	1.003
4.7716E+02	.17	.800	4.6418E+02	.22	.595	4.5174E+02	.12	.870
4.7692E+02	.14	.978	4.6396E+02	.14	.924	4.5152E+02	.04	2.734
4.7668E+02	.10	1.144	4.6373E+02	.07	1.620	4.5130E+02	.03	3.328
4.7645E+02	.11	.928	4.6350E+02	.05	1.925	4.5108E+02	.06	1.809
4.7621E+02	.11	1.262	4.6328E+02	.04	2.900	4.5087E+02	.08	2.097
4.7574E+02	.04	2.207	4.6283E+02	.04	2.290	4.5043E+02	.17	.742
4.7550E+02	.09	1.183	4.6260E+02	.05	2.588	4.5022E+02	.21	.747
4.7527E+02	.33	.483	4.6237E+02	.06	2.266	4.5000E+02	.17	.844
4.7503E+02	.50	.569	4.6215E+02	.06	3.042	4.4978E+02	.12	1.445
4.7457E+02	.29	.464	4.6170E+02	.39	.417	4.4935E+02	.05	1.652
4.7433E+02	.09	1.173	4.6148E+02	.61	.408	4.4913E+02	.08	1.252
4.7410E+02	.03	2.782	4.6125E+02	.50	.485	4.4892E+02	.11	1.108
4.7386E+02	.04	2.016	4.6102E+02	.23	.633	4.4870E+02	.12	.972
4.7363E+02	.05	2.558	4.6080E+02	.15	1.121	4.4849E+02	.12	1.306
4.7316E+02	.05	1.708	4.6035E+02	.23	.595	4.4806E+02	.04	1.868
4.7293E+02	.17	.813	4.6013E+02	.20	.736	4.4784E+02	.00	25.758
4.7269E+02	.62	.346	4.5990E+02	.21	.744	4.4763E+02	-.00	24.048
4.7246E+02	.97	.399	4.5968E+02	.28	.560	4.4741E+02	.03	3.100
4.7200E+02	6.25	.116	4.5946E+02	.29	.721	4.4720E+02	.05	2.808
4.7176E+02	8.11	.120	4.5901E+02	.08	1.353	4.4677E+02	.05	1.822
4.7153E+02	8.66	.118	4.5879E+02	.14	1.084	4.4655E+02	.04	2.508
4.7130E+02	7.78	.108	4.5857E+02	.15	.956	4.4634E+02	.03	3.212
4.7107E+02	6.83	.136	4.5834E+02	.09	1.505	4.4613E+02	.05	3.607
4.7060E+02	2.29	.164	4.5790E+02	.04	1.986	4.4570E+02	.07	1.413
4.7037E+02	1.06	.278	4.5767E+02	.04	2.327	4.4549E+02	.07	1.414
4.7014E+02	.40	.468	4.5745E+02	.05	2.081	4.4527E+02	.11	1.112
4.6991E+02	.32	.422	4.5723E+02	.11	.996	4.4506E+02	.31	.500
4.6968E+02	.37	.596	4.5701E+02	.15	1.153	4.4485E+02	.49	.555
4.6922E+02	.54	.430	4.5657E+02	.32	.468	4.4442E+02	2.67	.154
4.6899E+02	.50	.510	4.5634E+02	.24	.667	4.4421E+02	3.85	.149
4.6876E+02	.34	.525	4.5612E+02	.17	.873	4.4400E+02	4.59	.144
4.6853E+02	.30	.726	4.5590E+02	.17	1.261	4.4378E+02	4.12	.142
4.6807E+02	.14	.809	4.5546E+02	.07	1.302	4.4357E+02	3.55	.198
4.6784E+02	.20	.834	4.5524E+02	.04	2.447	4.4315E+02	.41	.406
4.6761E+02	.34	.610	4.5502E+02	.06	1.908	4.4294E+02	.31	.576
4.6738E+02	.42	.449	4.5480E+02	.08	1.468	4.4273E+02	.40	.481
4.6715E+02	.43	.575	4.5458E+02	.06	2.160	4.4251E+02	.38	.642
4.6669E+02	.35	.565	4.5414E+02	.02	3.389	4.4209E+02	.07	1.266
4.6646E+02	.41	.593	4.5392E+02	.02	5.218	4.4188E+02	.03	2.576
4.6623E+02	.41	.518	4.5370E+02	.00	30.574	4.4167E+02	.08	1.544
4.6601E+02	.43	.654	4.5348E+02	.03	2.837	4.4146E+02	.11	1.162
4.6555E+02	.30	.443	4.5326E+02	.06	2.290	4.4125E+02	.08	1.715

E(EV)	S(B)	DS/S	E(EV)	S(B)	DS/S	E(EV)	S(B)	DS/S
4.4083E+02	.04	2.515	4.2930E+02	.07	1.357	4.1822E+02	.75	.345
4.4062E+02	.06	1.739	4.2910E+02	.12	1.045	4.1803E+02	.50	.459
4.4041E+02	.07	1.541	4.2890E+02	.15	.864	4.1784E+02	.28	.518
4.4020E+02	.06	2.395	4.2870E+02	.14	.751	4.1764E+02	.48	.357
4.3978E+02	.23	.626	4.2850E+02	.14	1.106	4.1745E+02	.66	.461
4.3957E+02	.28	.607	4.2809E+02	.06	1.737	4.1706E+02	.43	.425
4.3936E+02	.22	.668	4.2789E+02	.13	.978	4.1687E+02	.27	.602
4.3916E+02	.14	.784	4.2769E+02	.35	.497	4.1668E+02	.23	.616
4.3895E+02	.12	1.290	4.2749E+02	.49	.599	4.1648E+02	.19	.882
4.3853E+02	.14	.834	4.2709E+02	.87	.295	4.1610E+02	.35	.480
4.3832E+02	.11	1.100	4.2689E+02	.62	.372	4.1591E+02	.25	.633
4.3811E+02	.07	1.453	4.2669E+02	.39	.457	4.1571E+02	.34	.530
4.3791E+02	.04	2.119	4.2649E+02	.22	.536	4.1552E+02	.53	.383
4.3770E+02	.03	4.524	4.2629E+02	.17	.898	4.1533E+02	.56	.503
4.3728E+02	.03	3.530	4.2589E+02	.22	.682	4.1494E+02	.45	.419
4.3708E+02	.04	2.406	4.2569E+02	.17	.809	4.1475E+02	.53	.438
4.3687E+02	.06	1.912	4.2550E+02	.13	.881	4.1456E+02	.46	.443
4.3666E+02	.06	2.664	4.2530E+02	.10	1.328	4.1437E+02	.37	.630
4.3625E+02	.11	1.032	4.2490E+02	.10	1.072	4.1399E+02	.16	.746
4.3604E+02	.09	1.283	4.2470E+02	.15	.886	4.1380E+02	.16	.928
4.3583E+02	.07	1.604	4.2450E+02	.17	.809	4.1361E+02	.17	.920
4.3563E+02	.11	.981	4.2430E+02	.12	.890	4.1342E+02	.18	.768
4.3542E+02	.15	1.026	4.2410E+02	.08	1.541	4.1323E+02	.18	1.024
4.3501E+02	.46	.406	4.2371E+02	.29	.590	4.1284E+02	.17	.756
4.3480E+02	.24	.596	4.2351E+02	.20	.801	4.1265E+02	.17	.899
4.3460E+02	.26	.641	4.2331E+02	.09	1.183	4.1246E+02	.12	1.100
4.3439E+02	.38	.839	4.2312E+02	.06	1.417	4.1227E+02	.06	1.465
4.3398E+02	.18	.555	4.2292E+02	.06	2.407	4.1208E+02	.05	2.636
4.3378E+02	.20	.656	4.2252E+02	.20	.799	4.1170E+02	.12	.955
4.3357E+02	.21	.673	4.2233E+02	.14	.926	4.1151E+02	.21	.744
4.3337E+02	.14	.763	4.2213E+02	.19	.683	4.1133E+02	.21	.680
4.3316E+02	.10	1.324	4.2193E+02	.23	.859	4.1114E+02	.17	.959
4.3275E+02	.02	3.632	4.2154E+02	1.65	.216	4.1076E+02	.33	.472
4.3255E+02	.00	31.090	4.2134E+02	3.40	.167	4.1057E+02	.27	.605
4.3235E+02	.06	1.594	4.2115E+02	4.60	.137	4.1038E+02	.15	.883
4.3214E+02	.11	.995	4.2095E+02	4.74	.118	4.1019E+02	.10	1.045
4.3194E+02	.11	1.412	4.2076E+02	4.83	.161	4.1000E+02	.09	1.553
4.3153E+02	.02	3.567	4.2037E+02	2.64	.172	4.0963E+02	.16	.908
4.3133E+02	.02	4.818	4.2017E+02	1.54	.243	4.0944E+02	.14	1.078
4.3112E+02	.01	5.833	4.1998E+02	.90	.294	4.0925E+02	.07	1.541
4.3092E+02	.02	7.710	4.1978E+02	.61	.397	4.0907E+02	.04	2.055
4.3052E+02	.06	1.660	4.1939E+02	.14	.809	4.0888E+02	.04	3.583
4.3031E+02	.05	2.011	4.1919E+02	.19	.716	4.0850E+02	.00	37.841
4.3011E+02	.05	2.150	4.1900E+02	.31	.521	4.0832E+02	.03	3.642
4.2991E+02	.04	2.255	4.1881E+02	.41	.405	4.0813E+02	.07	1.401
4.2971E+02	.03	3.662	4.1861E+02	.42	.541	4.0794E+02	.08	1.694

E(EV)	S(B)	DS/S	E(EV)	S(B)	DS/S	E(EV)	S(B)	DS/S
4.0757E+02	.25	.514	3.9731E+02	.97	.254	3.8744E+02	.38	.419
4.0738E+02	.20	.686	3.9714E+02	.79	.350	3.8727E+02	.56	.409
4.0719E+02	.22	.623	3.9695E+02	.48	.490	3.8710E+02	1.17	.283
4.0701E+02	.34	.417	3.9678E+02	.26	.578	3.8692E+02	2.27	.181
4.0682E+02	.38	.544	3.9660E+02	.21	.851	3.8675E+02	2.88	.222
4.0645E+02	.17	.700	3.9624E+02	.13	.826	3.8641E+02	3.38	.133
4.0626E+02	.20	.743	3.9606E+02	.16	.859	3.8624E+02	3.06	.157
4.0608E+02	.23	.631	3.9588E+02	.19	.769	3.8606E+02	2.18	.181
4.0589E+02	.21	.851	3.9570E+02	.14	.744	3.8589E+02	1.22	.183
4.0552E+02	.06	1.404	3.9552E+02	.12	1.153	3.8572E+02	.88	.283
4.0534E+02	.08	1.667	3.9517E+02	.11	1.040	3.8538E+02	.51	.357
4.0515E+02	.08	1.607	3.9499E+02	.07	1.492	3.8520E+02	.21	.637
4.0497E+02	.05	1.723	3.9481E+02	.08	1.129	3.8503E+02	.07	1.473
4.0478E+02	.05	2.558	3.9463E+02	.12	1.247	3.8486E+02	.07	2.314
4.0441E+02	.07	1.369	3.9428E+02	.30	.450	3.8452E+02	.21	.574
4.0423E+02	.03	3.705	3.9410E+02	.17	.799	3.8435E+02	.18	.711
4.0405E+02	.01	8.871	3.9392E+02	.07	1.889	3.8418E+02	.23	.737
4.0386E+02	.04	2.023	3.9375E+02	.06	1.817	3.8401E+02	.30	.604
4.0368E+02	.06	2.023	3.9357E+02	.09	1.913	3.8384E+02	.28	.795
4.0331E+02	.01	5.351	3.9322E+02	.07	1.641	3.8350E+02	.38	.399
4.0312E+02	.01	11.621	3.9304E+02	.03	4.511	3.8333E+02	.50	.412
4.0294E+02	.03	2.714	3.9286E+02	.07	1.780	3.8316E+02	.64	.371
4.0276E+02	.04	3.305	3.9268E+02	.11	1.750	3.8299E+02	.66	.328
4.0239E+02	.01	5.233	3.9233E+02	.40	.433	3.8282E+02	.62	.469
4.0221E+02	-.00	49.261	3.9216E+02	.39	.497	3.8248E+02	.06	1.616
4.0203E+02	-.00	198.589	3.9198E+02	.22	.745	3.8231E+02	.03	2.886
4.0184E+02	.02	3.305	3.9180E+02	.12	1.021	3.8214E+02	.06	1.685
4.0166E+02	.03	3.287	3.9163E+02	.12	1.411	3.8197E+02	.06	2.154
4.0130E+02	.04	2.492	3.9128E+02	.14	.777	3.8163E+02	.16	.693
4.0111E+02	.02	4.114	3.9110E+02	.09	1.355	3.8146E+02	.21	.675
4.0093E+02	.04	2.143	3.9093E+02	.05	2.129	3.8129E+02	.18	.725
4.0075E+02	.09	1.021	3.9075E+02	.04	2.211	3.8112E+02	.12	.793
4.0057E+02	.10	1.268	3.9058E+02	.04	2.790	3.8095E+02	.10	1.210
4.0020E+02	.05	1.994	3.9023E+02	.07	1.510	3.8062E+02	.25	.553
4.0002E+02	.04	2.399	3.9005E+02	.09	1.400	3.8045E+02	.15	.852
3.9984E+02	.09	1.116	3.8988E+02	.11	1.087	3.8028E+02	.09	1.260
3.9966E+02	.14	1.217	3.8970E+02	.12	1.352	3.8011E+02	.12	1.732
3.9930E+02	.30	.490	3.8935E+02	.14	.744	3.7978E+02	.12	.844
3.9912E+02	.42	.492	3.8918E+02	.12	.984	3.7961E+02	.11	.966
3.9894E+02	.60	.436	3.8900E+02	.06	1.573	3.7944E+02	.19	.720
3.9875E+02	.61	.385	3.8883E+02	.04	2.105	3.7927E+02	.33	.490
3.9858E+02	.50	.485	3.8866E+02	.04	3.016	3.7910E+02	.37	.626
3.9821E+02	1.08	.287	3.8831E+02	.04	1.989	3.7877E+02	.16	.654
3.9803E+02	1.48	.278	3.8814E+02	.03	3.180	3.7860E+02	.20	.711
3.9785E+02	1.52	.245	3.8796E+02	.07	1.677	3.7844E+02	.18	.777
3.9767E+02	1.41	.312	3.8779E+02	.11	1.877	3.7827E+02	.08	1.067

E(EV)	S(B)	DS/S	E(EV)	S(B)	DS/S	E(EV)	S(B)	DS/S
3.7810E+02	.05	2.400	3.6893E+02	.13	1.268	3.6010E+02	.30	.736
3.7777E+02	.44	.394	3.6861E+02	.10	1.170	3.5979E+02	.43	.443
3.7760E+02	.52	.393	3.6845E+02	.07	1.582	3.5963E+02	.61	.426
3.7744E+02	.41	.407	3.6829E+02	.03	2.530	3.5948E+02	.62	.382
3.7727E+02	.29	.544	3.6813E+02	.03	3.854	3.5932E+02	.49	.313
3.7694E+02	.03	2.638	3.6781E+02	.08	1.151	3.5917E+02	.41	.461
3.7677E+02	.02	4.569	3.6765E+02	.08	1.283	3.5886E+02	.39	.413
3.7661E+02	.06	1.782	3.6749E+02	.05	1.788	3.5871E+02	.60	.351
3.7644E+02	.18	.720	3.6733E+02	.02	3.850	3.5855E+02	.67	.300
3.7627E+02	.27	.843	3.6717E+02	.01	7.512	3.5840E+02	.68	.422
3.7594E+02	.11	.976	3.6685E+02	.04	2.238	3.5809E+02	.50	.341
3.7578E+02	.05	2.048	3.6670E+02	.06	1.715	3.5794E+02	.33	.472
3.7561E+02	.04	2.660	3.6654E+02	.07	1.322	3.5778E+02	.34	.509
3.7545E+02	.03	4.621	3.6638E+02	.06	1.245	3.5763E+02	.47	.409
3.7512E+02	.12	.880	3.6622E+02	.06	1.971	3.5748E+02	.46	.527
3.7495E+02	.13	.902	3.6590E+02	.15	.836	3.5717E+02	.30	.573
3.7479E+02	.09	1.187	3.6574E+02	.40	.441	3.5702E+02	.23	.667
3.7462E+02	.03	2.351	3.6558E+02	.79	.286	3.5687E+02	.25	.550
3.7446E+02	.01	10.017	3.6542E+02	.99	.379	3.5671E+02	.29	.737
3.7413E+02	-.00	76.843	3.6511E+02	2.06	.180	3.5641E+02	.13	.776
3.7397E+02	.00	22.197	3.6495E+02	2.29	.187	3.5625E+02	.12	1.025
3.7380E+02	.05	2.118	3.6479E+02	2.60	.172	3.5610E+02	.24	.598
3.7364E+02	.14	.992	3.6463E+02	2.76	.151	3.5595E+02	.49	.360
3.7348E+02	.19	1.215	3.6448E+02	2.65	.202	3.5580E+02	.61	.468
3.7315E+02	.06	1.602	3.6416E+02	.70	.281	3.5549E+02	.49	.368
3.7299E+02	.06	1.669	3.6400E+02	.30	.479	3.5534E+02	.21	.580
3.7282E+02	.16	.807	3.6385E+02	.43	.445	3.5519E+02	.24	.599
3.7266E+02	.24	.951	3.6369E+02	.60	.585	3.5504E+02	.27	.484
3.7233E+02	.36	.425	3.6337E+02	.57	.348	3.5489E+02	.23	.692
3.7217E+02	.20	.628	3.6322E+02	.29	.551	3.5458E+02	.30	.596
3.7201E+02	.17	.727	3.6306E+02	.29	.508	3.5443E+02	.64	.381
3.7184E+02	.15	.694	3.6290E+02	.60	.324	3.5428E+02	1.13	.239
3.7168E+02	.12	1.022	3.6275E+02	.80	.416	3.5413E+02	1.43	.299
3.7136E+02	.03	2.757	3.6243E+02	2.18	.166	3.5383E+02	4.07	.132
3.7120E+02	.04	2.321	3.6228E+02	3.32	.149	3.5368E+02	5.59	.141
3.7103E+02	.03	3.041	3.6212E+02	4.55	.126	3.5353E+02	7.59	.119
3.7087E+02	.02	3.595	3.6197E+02	4.78	.111	3.5337E+02	8.53	.095
3.7071E+02	.03	4.707	3.6181E+02	4.47	.146	3.5323E+02	8.52	.120
3.7039E+02	.04	1.959	3.6150E+02	2.28	.249	3.5292E+02	4.73	.122
3.7023E+02	.07	1.433	3.6134E+02	1.10	.289	3.5277E+02	2.98	.164
3.7006E+02	.07	1.412	3.6118E+02	.51	.338	3.5262E+02	1.79	.217
3.6990E+02	.07	2.028	3.6103E+02	.54	.504	3.5247E+02	1.61	.389
3.6958E+02	.12	.939	3.6072E+02	.84	.287	3.5217E+02	.74	.419
3.6942E+02	.12	1.029	3.6056E+02	.84	.318	3.5202E+02	.71	.437
3.6926E+02	.11	.983	3.6041E+02	.63	.400	3.5187E+02	.54	.482
3.6910E+02	.13	.857	3.6025E+02	.40	.506	3.5172E+02	.29	.476

E(EV)	S(B)	DS/S	E(EV)	S(B)	DS/S	E(EV)	S(B)	DS/S
3.5157E+02	.30	.649	3.4335E+02	1.81	.207	3.3541E+02	.21	1.002
3.5128E+02	1.44	.215	3.4306E+02	.53	.330	3.3513E+02	.14	.743
3.5113E+02	2.07	.197	3.4292E+02	.65	.349	3.3499E+02	.14	.676
3.5098E+02	2.08	.189	3.4277E+02	.68	.351	3.3485E+02	.16	.845
3.5083E+02	1.63	.188	3.4263E+02	.52	.352	3.3472E+02	.18	.745
3.5068E+02	1.35	.259	3.4249E+02	.39	.518	3.3458E+02	.17	1.065
3.5038E+02	.73	.342	3.4220E+02	.44	.445	3.3430E+02	.13	.802
3.5023E+02	.71	.401	3.4206E+02	.37	.566	3.3416E+02	.13	.947
3.5008E+02	.46	.433	3.4191E+02	.28	.577	3.3402E+02	.12	.952
3.4994E+02	.33	.581	3.4177E+02	.32	.734	3.3389E+02	.18	.580
3.4964E+02	.87	.306	3.4148E+02	.68	.274	3.3375E+02	.26	.723
3.4949E+02	.66	.394	3.4134E+02	.79	.299	3.3347E+02	.49	.438
3.4934E+02	.28	.575	3.4120E+02	.63	.362	3.3333E+02	.14	.778
3.4919E+02	.18	.636	3.4105E+02	.32	.448	3.3319E+02	.11	1.046
3.4905E+02	.17	.923	3.4091E+02	.23	.729	3.3306E+02	.18	1.235
3.4875E+02	.11	1.002	3.4063E+02	.56	.348	3.3278E+02	.15	.714
3.4860E+02	.10	1.029	3.4048E+02	.51	.411	3.3264E+02	.14	.905
3.4846E+02	.21	.612	3.4034E+02	.28	.514	3.3251E+02	.15	.983
3.4831E+02	.31	.780	3.4020E+02	.17	.599	3.3237E+02	.13	.962
3.4801E+02	.61	.307	3.4006E+02	.14	.982	3.3223E+02	.12	1.407
3.4787E+02	.79	.371	3.3977E+02	.21	.703	3.3196E+02	.14	.808
3.4772E+02	1.00	.356	3.3963E+02	.48	.480	3.3182E+02	.13	.879
3.4757E+02	.98	.294	3.3949E+02	.82	.324	3.3168E+02	.15	.772
3.4743E+02	.84	.361	3.3935E+02	.93	.407	3.3155E+02	.17	1.061
3.4713E+02	.40	.362	3.3906E+02	.44	.340	3.3127E+02	.12	.825
3.4699E+02	.23	.606	3.3892E+02	.21	.663	3.3114E+02	.09	1.129
3.4684E+02	.24	.602	3.3878E+02	.12	1.141	3.3100E+02	.06	1.485
3.4669E+02	.44	.366	3.3864E+02	.11	.984	3.3086E+02	.08	1.263
3.4655E+02	.58	.473	3.3850E+02	.12	1.280	3.3073E+02	.10	1.672
3.4625E+02	.75	.385	3.3822E+02	.13	.854	3.3045E+02	.49	.337
3.4611E+02	.52	.542	3.3807E+02	.17	.882	3.3032E+02	.85	.297
3.4596E+02	.23	.661	3.3793E+02	.23	.732	3.3018E+02	1.15	.257
3.4582E+02	.21	1.007	3.3779E+02	.25	.980	3.3005E+02	1.39	.204
3.4552E+02	.10	.923	3.3751E+02	.15	.692	3.2991E+02	1.54	.270
3.4538E+02	.09	1.148	3.3737E+02	.16	.755	3.2964E+02	2.12	.183
3.4523E+02	.33	.613	3.3723E+02	.24	.663	3.2950E+02	1.60	.221
3.4509E+02	.47	.463	3.3709E+02	.29	.599	3.2937E+02	1.07	.241
3.4494E+02	.37	.585	3.3695E+02	.26	.922	3.2923E+02	.94	.370
3.4465E+02	.16	.671	3.3667E+02	.64	.341	3.2896E+02	.29	.487
3.4451E+02	.53	.366	3.3653E+02	.37	.441	3.2883E+02	.22	.631
3.4436E+02	1.90	.210	3.3639E+02	.16	.787	3.2869E+02	.34	.509
3.4422E+02	3.69	.140	3.3625E+02	.11	.938	3.2856E+02	.63	.354
3.4407E+02	4.42	.166	3.3611E+02	.10	1.422	3.2842E+02	.82	.466
3.4378E+02	5.34	.121	3.3583E+02	.20	.674	3.2815E+02	.30	.500
3.4364E+02	4.48	.145	3.3569E+02	.22	.689	3.2801E+02	.15	.798
3.4350E+02	2.89	.168	3.3555E+02	.23	.670	3.2788E+02	.13	.872

E(EV)	S(B)	DS/S	E(EV)	S(B)	DS/S	E(EV)	S(B)	DS/S
3.2775E+02	.13	1.292	3.2034E+02	.13	.727	3.1318E+02	.05	1.378
3.2748E+02	.14	.715	3.2021E+02	.13	1.054	3.1306E+02	.06	1.867
3.2734E+02	.28	.512	3.1995E+02	.10	.991	3.1281E+02	.04	2.388
3.2721E+02	.68	.350	3.1982E+02	.11	.982	3.1268E+02	.01	6.863
3.2707E+02	1.05	.269	3.1969E+02	.12	.849	3.1256E+02	.00	18.815
3.2694E+02	1.11	.365	3.1956E+02	.11	1.179	3.1243E+02	-.00	31.940
3.2667E+02	.15	.774	3.1930E+02	.15	.782	3.1218E+02	.01	12.990
3.2654E+02	.07	1.589	3.1917E+02	.16	.802	3.1206E+02	.01	7.343
3.2641E+02	.09	1.149	3.1904E+02	.15	.743	3.1193E+02	.01	15.582
3.2627E+02	.12	.852	3.1892E+02	.13	.706	3.1181E+02	.00	69.556
3.2614E+02	.12	1.194	3.1879E+02	.12	1.078	3.1168E+02	.01	14.761
3.2587E+02	.09	1.202	3.1853E+02	.06	1.416	3.1143E+02	-.01	4.955
3.2574E+02	.05	1.897	3.1840E+02	.05	1.723	3.1131E+02	-.01	9.050
3.2560E+02	.07	1.397	3.1827E+02	.04	1.865	3.1118E+02	.01	12.493
3.2547E+02	.09	1.602	3.1814E+02	.04	2.793	3.1106E+02	.01	5.515
3.2520E+02	.10	.914	3.1788E+02	.09	.983	3.1093E+02	.01	8.179
3.2507E+02	.12	.948	3.1776E+02	.17	.878	3.1068E+02	.00	67.527
3.2494E+02	.11	1.033	3.1763E+02	.22	.752	3.1056E+02	.01	9.085
3.2481E+02	.08	1.099	3.1750E+02	.19	.646	3.1044E+02	.03	2.915
3.2467E+02	.09	1.659	3.1737E+02	.16	.957	3.1031E+02	.02	4.273
3.2441E+02	.13	.987	3.1711E+02	.75	.422	3.1006E+02	-.02	3.599
3.2428E+02	.26	.601	3.1699E+02	.63	.470	3.0994E+02	.01	7.164
3.2414E+02	.35	.424	3.1686E+02	.31	.449	3.0982E+02	.04	2.612
3.2401E+02	.35	.585	3.1673E+02	.19	.549	3.0969E+02	.03	2.440
3.2375E+02	.18	.667	3.1660E+02	.19	.933	3.0957E+02	.03	3.985
3.2361E+02	.21	.712	3.1635E+02	.05	2.024	3.0932E+02	.05	2.078
3.2348E+02	.19	.770	3.1622E+02	.04	2.232	3.0920E+02	.02	4.288
3.2335E+02	.12	.874	3.1609E+02	.06	1.611	3.0908E+02	.00	21.971
3.2322E+02	.11	1.417	3.1597E+02	.04	2.599	3.0895E+02	.01	13.663
3.2296E+02	.31	.501	3.1571E+02	.16	.738	3.0871E+02	.04	2.043
3.2282E+02	.20	.705	3.1558E+02	.23	.683	3.0858E+02	.01	7.592
3.2269E+02	.10	.991	3.1546E+02	.22	.680	3.0846E+02	-.01	5.261
3.2256E+02	.08	1.123	3.1533E+02	.15	.652	3.0834E+02	-.01	4.301
3.2243E+02	.07	1.887	3.1520E+02	.13	1.032	3.0822E+02	-.01	6.902
3.2217E+02	.24	.604	3.1495E+02	.07	1.507	3.0797E+02	-.02	2.203
3.2204E+02	.21	.678	3.1482E+02	.03	3.060	3.0785E+02	-.02	2.469
3.2191E+02	.14	.762	3.1470E+02	.01	8.389	3.0773E+02	.02	3.960
3.2177E+02	.13	1.181	3.1457E+02	.01	9.962	3.0760E+02	.05	1.526
3.2151E+02	.09	1.112	3.1432E+02	.02	3.661	3.0748E+02	.05	2.107
3.2138E+02	.10	1.067	3.1419E+02	.01	10.780	3.0724E+02	.07	1.325
3.2125E+02	.10	1.114	3.1406E+02	.01	8.110	3.0711E+02	.09	1.219
3.2112E+02	.07	1.160	3.1394E+02	.01	5.989	3.0699E+02	.07	1.330
3.2099E+02	.07	1.703	3.1381E+02	.01	10.853	3.0687E+02	.05	2.222
3.2073E+02	.15	.769	3.1356E+02	.03	2.565	3.0663E+02	.02	3.202
3.2060E+02	.13	.951	3.1343E+02	.08	1.488	3.0651E+02	.02	3.358
3.2047E+02	.12	.919	3.1331E+02	.07	1.475	3.0638E+02	.04	2.442

E(EV)	S(8)	DS/S	E(EV)	S(8)	DS/S	E(EV)	S(8)	DS/S
3.0626E+02	.04	1.736	2.9770E+02	.03	5.637	2.6750E+02	.27	.572
3.0614E+02	.04	2.397	2.9700E+02	.05	2.665	2.6684E+02	.10	1.178
3.0590E+02	.01	13.345	2.9631E+02	.05	2.896	2.6629E+02	.09	1.567
3.0578E+02	.01	6.637	2.9561E+02	.02	5.823	2.6575E+02	.74	.518
3.0566E+02	.03	2.596	2.9492E+02	.02	6.220	2.6509E+02	1.56	.223
3.0553E+02	.04	3.021	2.9423E+02	-.01	11.046	2.6455E+02	.85	.341
3.0529E+02	.02	2.707	2.9354E+02	.03	4.623	2.6389E+02	.50	.506
3.0517E+02	.01	5.191	2.9285E+02	.05	3.443	2.6335E+02	.37	.590
3.0505E+02	.01	10.370	2.9217E+02	.06	2.498	2.6269E+02	.33	.576
3.0493E+02	-.00	15.763	2.9148E+02	.06	2.845	2.6215E+02	.27	.679
3.0481E+02	-.01	14.205	2.9079E+02	.07	2.633	2.6161E+02	.16	1.026
3.0457E+02	.03	2.100	2.9011E+02	.10	1.720	2.6096E+02	.25	.656
3.0445E+02	.05	2.094	2.8942E+02	.08	2.190	2.6042E+02	.30	.634
3.0433E+02	.05	2.104	2.8874E+02	.08	2.136	2.5988E+02	.16	1.097
3.0421E+02	.04	2.228	2.8805E+02	.07	2.412	2.5923E+02	.14	1.002
3.0409E+02	.03	3.775	2.8737E+02	.07	2.894	2.5869E+02	.11	1.448
3.0385E+02	.04	2.069	2.8669E+02	.05	3.921	2.5815E+02	.15	1.207
3.0373E+02	.01	14.777	2.8601E+02	.04	3.821	2.5750E+02	.18	.964
3.0361E+02	.00	23.383	2.8533E+02	.00	65.051	2.5697E+02	.11	1.294
3.0349E+02	.02	5.457	2.8465E+02	-.03	4.922	2.5643E+02	.07	1.992
3.0325E+02	.05	1.607	2.8397E+02	.05	2.844	2.5579E+02	.13	1.115
3.0313E+02	.05	1.855	2.8341E+02	.05	2.720	2.5525E+02	.16	1.141
3.0301E+02	.03	2.488	2.8273E+02	.08	1.689	2.5472E+02	.14	1.261
3.0289E+02	.02	3.371	2.8206E+02	.08	1.851	2.5418E+02	.10	1.727
3.0277E+02	.02	5.903	2.8127E+02	.09	1.722	2.5354E+02	.08	1.812
3.0253E+02	-.00	27.120	2.8059E+02	.09	1.581	2.5301E+02	.07	2.172
3.0241E+02	.00	19.387	2.7992E+02	.02	7.999	2.5247E+02	.08	1.740
3.0229E+02	.03	3.079	2.7936E+02	.03	4.331	2.5194E+02	.06	2.159
3.0217E+02	.06	2.911	2.7869E+02	.03	6.055	2.5141E+02	.07	1.978
3.0193E+02	.19	.550	2.7802E+02	.01	9.972	2.5088E+02	.04	3.385
3.0182E+02	.19	.628	2.7746E+02	.01	11.157	2.5024E+02	.03	4.243
3.0170E+02	.09	1.108	2.7679E+02	.05	3.377	2.4971E+02	.02	5.741
3.0158E+02	.01	5.993	2.7612E+02	.03	4.615	2.4918E+02	-.02	4.993
3.0146E+02	-.00	28.284	2.7556E+02	.11	1.338	2.4865E+02	-.00	999.000
3.0122E+02	.01	6.198	2.7490E+02	.90	.357	2.4812E+02	.02	4.757
3.0110E+02	.02	3.388	2.7423E+02	1.02	.469	2.4760E+02	.01	8.388
3.0099E+02	.02	4.329	2.7367E+02	.35	.814	2.4707E+02	.02	4.621
3.0087E+02	.00	29.032	2.7301E+02	.33	.657	2.4654E+02	.04	2.605
3.0075E+02	-.01	14.287	2.7234E+02	.36	.588	2.4602E+02	.14	1.033
3.0051E+02	-.04	1.376	2.7179E+02	.33	.686	2.4549E+02	.15	1.350
3.0039E+02	-.03	2.387	2.7113E+02	.23	.840	2.4496E+02	.15	1.291
3.0028E+02	.01	6.915	2.7058E+02	.16	1.048	2.4434E+02	.15	1.127
3.0016E+02	.04	3.727	2.6992E+02	.17	1.000	2.4381E+02	.19	.991
2.9981E+02	.05	2.898	2.6937E+02	.23	.643	2.4329E+02	.43	.504
2.9910E+02	.08	2.069	2.6871E+02	.19	.877	2.4277E+02	.61	.499
2.9840E+02	.05	3.047	2.6805E+02	.27	.644	2.4224E+02	.31	.863

E(EV)	S(8)	DS/S	E(EV)	S(8)	DS/S	E(EV)	S(8)	DS/S
2.4183E+02	.28	.621	2.1953E+02	1.30	.333	2.0020E+02	.02	4.643
2.4131E+02	.33	.526	2.1903E+02	.97	.252	1.9982E+02	.09	1.174
2.4078E+02	.20	.899	2.1863E+02	.79	.283	1.9944E+02	.10	.943
2.4026E+02	.32	.776	2.1814E+02	.76	.273	1.9906E+02	.06	1.656
2.3974E+02	.31	.697	2.1774E+02	.72	.334	1.9859E+02	.06	1.458
2.3923E+02	.28	.632	2.1725E+02	.76	.278	1.9821E+02	.14	.918
2.3871E+02	.20	.803	2.1685E+02	.62	.357	1.9793E+02	.77	.392
2.3819E+02	.22	.810	2.1636E+02	.49	.371	1.9755E+02	2.90	.184
2.3767E+02	.23	.836	2.1596E+02	.49	.643	1.9717E+02	5.44	.201
2.3716E+02	.20	.825	2.1557E+02	.25	.592	1.9680E+02	3.85	.148
2.3664E+02	.09	1.453	2.1508E+02	.22	.639	1.9642E+02	3.05	.112
2.3623E+02	.16	.840	2.1469E+02	.21	.635	1.9595E+02	3.10	.217
2.3571E+02	.27	.604	2.1419E+02	.20	.716	1.9557E+02	2.61	.291
2.3510E+02	.47	.382	2.1380E+02	.13	1.017	1.9520E+02	1.47	.286
2.3458E+02	.45	.412	2.1341E+02	.07	1.728	1.9482E+02	1.06	.239
2.3407E+02	.44	.453	2.1292E+02	.03	3.855	1.9445E+02	.80	.275
2.3356E+02	.44	.417	2.1253E+02	.08	1.429	1.9408E+02	.76	.242
2.3315E+02	.39	.434	2.1204E+02	.07	1.519	1.9380E+02	.78	.245
2.3263E+02	.19	.770	2.1165E+02	.06	1.835	1.9342E+02	.68	.219
2.3212E+02	.24	.638	2.1126E+02	.08	1.627	1.9296E+02	.52	.268
2.3161E+02	.45	.451	2.1077E+02	.21	.852	1.9258E+02	.34	.387
2.3120E+02	1.00	.237	2.1038E+02	1.05	.554	1.9221E+02	.32	.324
2.3069E+02	1.10	.242	2.0999E+02	2.44	.169	1.9184E+02	.20	.487
2.3019E+02	.67	.399	2.0951E+02	1.93	.276	1.9147E+02	.19	.472
2.2968E+02	.74	.432	2.0912E+02	1.20	.172	1.9110E+02	.18	.630
2.2927E+02	.65	.498	2.0873E+02	1.31	.198	1.9073E+02	.14	.809
2.2876E+02	.42	.593	2.0835E+02	1.26	.207	1.9036E+02	.16	.630
2.2826E+02	.39	.470	2.0786E+02	.85	.257	1.8989E+02	.11	.802
2.2785E+02	.28	.555	2.0747E+02	.61	.298	1.8962E+02	.05	1.388
2.2735E+02	.37	.508	2.0709E+02	.49	.340	1.8925E+02	.07	.951
2.2684E+02	.43	.659	2.0670E+02	.32	.414	1.8888E+02	.14	.819
2.2644E+02	.31	.632	2.0622E+02	.25	.467	1.8851E+02	.06	1.296
2.2593E+02	.21	.784	2.0584E+02	.37	.378	1.8814E+02	.03	2.150
2.2543E+02	.16	.904	2.0545E+02	.26	.526	1.8777E+02	.05	1.580
2.2503E+02	.12	1.072	2.0507E+02	.31	.660	1.8741E+02	.04	2.299
2.2452E+02	.07	1.357	2.0459E+02	.13	.926	1.8713E+02	.03	3.012
2.2402E+02	.11	1.175	2.0420E+02	.12	1.108	1.8676E+02	.02	3.227
2.2362E+02	.22	.620	2.0382E+02	.12	.903	1.8640E+02	.02	3.078
2.2312E+02	.47	.501	2.0344E+02	.07	1.680	1.8603E+02	.03	2.528
2.2272E+02	1.64	.255	2.0305E+02	.05	2.381	1.8566E+02	.02	3.339
2.2222E+02	6.42	.126	2.0267E+02	.05	1.935	1.8530E+02	.05	1.939
2.2172E+02	4.44	.212	2.0219E+02	.07	1.421	1.8503E+02	.08	1.026
2.2132E+02	2.93	.131	2.0172E+02	.02	4.898	1.8466E+02	.04	1.688
2.2082E+02	3.08	.207	2.0134E+02	.05	2.119	1.8430E+02	.04	2.108
2.2042E+02	2.17	.166	2.0096E+02	.08	1.394	1.8393E+02	.01	6.422
2.1993E+02	1.47	.224	2.0058E+02	.02	4.135	1.8357E+02	.00	19.044

E(EV)	S(B)	DS/S	E(EV)	S(B)	DS/S	E(EV)	S(B)	DS/S
1.8330E+02	-.01	8.872	1.6844E+02	.27	.423	1.5538E+02	.06	1.712
1.8293E+02	-.03	2.663	1.6818E+02	.19	.515	1.5513E+02	.01	4.916
1.8257E+02	-.00	27.742	1.6792E+02	.11	.707	1.5488E+02	-.01	8.882
1.8230E+02	.40	.690	1.6757E+02	.08	.937	1.5455E+02	.01	3.863
1.8185E+02	2.25	.325	1.6723E+02	.06	1.473	1.5430E+02	.01	6.057
1.8157E+02	4.61	.189	1.6697E+02	.03	2.888	1.5405E+02	.07	1.193
1.8121E+02	2.82	.116	1.6670E+02	.05	1.816	1.5380E+02	.02	3.231
1.8094E+02	2.48	.126	1.6636E+02	.01	6.212	1.5347E+02	.01	13.512
1.8058E+02	2.59	.128	1.6601E+02	.01	10.095	1.5330E+02	-.03	1.906
1.8022E+02	1.48	.144	1.6575E+02	.03	2.292	1.5305E+02	-.02	2.341
1.7986E+02	.94	.200	1.6549E+02	.11	.680	1.5272E+02	-.03	1.617
1.7959E+02	.71	.222	1.6515E+02	.03	2.265	1.5247E+02	-.02	1.785
1.7923E+02	.63	.268	1.6489E+02	.07	1.151	1.5222E+02	-.01	2.362
1.7896E+02	.70	.225	1.6463E+02	.06	1.308	1.5189E+02	.04	1.436
1.7851E+02	.64	.328	1.6437E+02	.06	1.381	1.5173E+02	.05	1.213
1.7824E+02	.49	.277	1.6394E+02	.05	1.762	1.5148E+02	.05	1.191
1.7789E+02	.44	.302	1.6369E+02	.03	2.848	1.5115E+02	.04	1.681
1.7762E+02	.26	.527	1.6343E+02	.00	14.302	1.5090E+02	.06	1.188
1.7726E+02	.26	.462	1.6317E+02	-.00	13.281	1.5065E+02	.07	1.118
1.7690E+02	.18	.568	1.6283E+02	-.02	3.586	1.5041E+02	.11	.800
1.7655E+02	.14	.675	1.6257E+02	-.02	3.605	1.5016E+02	.08	.844
1.7628E+02	-.01	13.050	1.6232E+02	.03	2.443	1.4991E+02	.05	1.568
1.7601E+02	.04	2.239	1.6198E+02	.05	1.361	1.4958E+02	.11	1.028
1.7566E+02	-.03	2.606	1.6172E+02	.02	3.164	1.4942E+02	.15	1.002
1.7530E+02	-.02	3.523	1.6146E+02	.04	1.986	1.4917E+02	.19	.508
1.7495E+02	-.03	2.141	1.6121E+02	.05	1.677	1.4885E+02	.07	1.023
1.7468E+02	-.03	2.672	1.6087E+02	.03	2.245	1.4860E+02	.04	1.648
1.7441E+02	-.00	492.598	1.6061E+02	.00	76.696	1.4844E+02	.01	8.363
1.7406E+02	.02	3.701	1.6036E+02	.03	2.847	1.4811E+02	.02	2.713
1.7371E+02	.05	1.829	1.6002E+02	.02	3.374	1.4787E+02	.04	1.524
1.7344E+02	.02	3.303	1.5976E+02	-.00	36.827	1.4770E+02	.07	1.035
1.7309E+02	.00	26.148	1.5951E+02	.01	4.274	1.4738E+02	.04	1.601
1.7282E+02	.05	1.522	1.5925E+02	.04	1.924	1.4713E+02	.02	3.257
1.7247E+02	.12	.616	1.5892E+02	-.01	7.910	1.4697E+02	.01	5.245
1.7212E+02	.19	.486	1.5866E+02	.05	1.819	1.4664E+02	.04	1.548
1.7185E+02	.70	.406	1.5841E+02	.04	2.278	1.4640E+02	.02	2.864
1.7159E+02	1.04	.170	1.5807E+02	.01	5.223	1.4624E+02	.01	10.323
1.7115E+02	1.17	.210	1.5782E+02	-.01	7.917	1.4591E+02	.03	2.175
1.7089E+02	.98	.184	1.5756E+02	-.02	3.263	1.4567E+02	.04	1.597
1.7063E+02	.99	.392	1.5731E+02	-.01	3.656	1.4551E+02	.04	1.792
1.7028E+02	.56	.273	1.5698E+02	-.05	1.204	1.4519E+02	-.01	7.597
1.6993E+02	.40	.313	1.5672E+02	-.02	3.394	1.4494E+02	.00	55.597
1.6966E+02	.35	.336	1.5647E+02	-.01	11.256	1.4470E+02	.02	3.835
1.6940E+02	.28	.388	1.5614E+02	.03	1.765	1.4446E+02	.02	4.132
1.6905E+02	.23	.411	1.5589E+02	.04	1.873	1.4422E+02	.02	2.419
1.6879E+02	.39	.519	1.5563E+02	.12	1.666	1.4398E+02	.05	1.377

E(EV)	S(B)	DS/S	E(EV)	S(B)	DS/S	E(EV)	S(B)	DS/S
1.4373E+02	.02	2.654	1.3339E+02	.67	.196	1.2410E+02	.16	.611
1.4357E+02	.00	16.732	1.3316E+02	2.85	.135	1.2395E+02	.28	.460
1.4325E+02	.01	6.378	1.3300E+02	6.74	.101	1.2373E+02	.36	.425
1.4301E+02	.00	14.549	1.3277E+02	7.65	.104	1.2358E+02	.38	.404
1.4285E+02	.03	1.542	1.3254E+02	6.53	.079	1.2335E+02	.30	.417
1.4253E+02	.02	3.011	1.3231E+02	6.03	.078	1.2320E+02	.22	.466
1.4237E+02	.01	8.086	1.3215E+02	4.84	.131	1.2298E+02	.11	.811
1.4213E+02	.01	4.536	1.3192E+02	2.47	.100	1.2283E+02	.15	.505
1.4189E+02	.03	2.272	1.3169E+02	1.99	.111	1.2261E+02	.04	1.628
1.4165E+02	.02	3.674	1.3153E+02	1.58	.118	1.2246E+02	.21	.607
1.4141E+02	.08	.909	1.3130E+02	1.20	.135	1.2216E+02	.19	.721
1.4117E+02	.06	1.364	1.3107E+02	.96	.154	1.2201E+02	.10	1.237
1.4093E+02	.02	3.004	1.3092E+02	.85	.173	1.2187E+02	.06	1.831
1.4069E+02	.04	1.914	1.3069E+02	.90	.172	1.2164E+02	.04	2.247
1.4045E+02	.08	.909	1.3046E+02	.82	.168	1.2150E+02	.03	2.766
1.4030E+02	.02	3.305	1.3023E+02	.73	.207	1.2128E+02	.01	7.430
1.3998E+02	.08	.853	1.3008E+02	.39	.387	1.2113E+02	-.02	3.741
1.3982E+02	.15	.568	1.2985E+02	.30	.407	1.2091E+02	-.05	1.645
1.3958E+02	.55	.230	1.2962E+02	.26	.500	1.2076E+02	-.04	1.563
1.3934E+02	2.02	.130	1.2947E+02	.27	.516	1.2054E+02	-.03	1.896
1.3911E+02	3.82	.168	1.2924E+02	.23	.535	1.2039E+02	.01	6.568
1.3887E+02	3.61	.103	1.2908E+02	.16	.658	1.2017E+02	.04	1.699
1.3863E+02	2.93	.105	1.2878E+02	.11	.834	1.2002E+02	.04	1.969
1.3847E+02	2.38	.107	1.2863E+02	.06	1.567	1.1980E+02	.03	2.394
1.3816E+02	1.84	.145	1.2847E+02	.06	1.688	1.1966E+02	.02	1.969
1.3800E+02	1.33	.143	1.2825E+02	.11	.959	1.1951E+02	.04	1.925
1.3776E+02	.89	.216	1.2802E+02	.12	.897	1.1929E+02	.03	3.084
1.3753E+02	.76	.243	1.2779E+02	.07	1.239	1.1914E+02	.03	2.097
1.3737E+02	.52	.260	1.2764E+02	.05	1.703	1.1892E+02	.03	2.677
1.3706E+02	.41	.274	1.2741E+02	.07	1.344	1.1878E+02	.01	4.717
1.3690E+02	.44	.259	1.2726E+02	.08	1.025	1.1856E+02	.01	7.414
1.3666E+02	.37	.363	1.2703E+02	.05	1.663	1.1841E+02	.02	2.617
1.3643E+02	.26	.331	1.2681E+02	.04	1.561	1.1819E+02	-.02	2.512
1.3627E+02	.30	.329	1.2666E+02	.02	3.277	1.1805E+02	-.00	23.274
1.3596E+02	.27	.416	1.2643E+02	.04	1.704	1.1783E+02	-.01	4.895
1.3580E+02	.22	.480	1.2628E+02	.05	1.545	1.1768E+02	-.02	3.225
1.3557E+02	.14	.632	1.2605E+02	.07	1.223	1.1746E+02	.04	1.174
1.3533E+02	.20	.424	1.2590E+02	.05	1.438	1.1732E+02	.02	3.838
1.3518E+02	.21	.406	1.2568E+02	.03	2.783	1.1717E+02	.02	2.725
1.3486E+02	.11	.647	1.2545E+02	.03	2.561	1.1703E+02	.04	1.907
1.3471E+02	.16	.484	1.2530E+02	.00	27.545	1.1681E+02	.03	2.132
1.3448E+02	.15	.610	1.2507E+02	-.01	11.834	1.1666E+02	.02	3.059
1.3424E+02	.11	.722	1.2492E+02	.00	15.316	1.1645E+02	-.01	10.545
1.3409E+02	.13	.572	1.2470E+02	.01	3.973	1.1630E+02	-.01	5.148
1.3378E+02	.18	.592	1.2455E+02	.01	8.142	1.1609E+02	.02	3.221
1.3362E+02	.28	.363	1.2425E+02	.03	2.225	1.1594E+02	.15	.638

E(EV)	S(B)	OS/S	E(EV)	S(B)	OS/S	E(EV)	S(B)	OS/S
1.1580E+02	.10	1.364	1.0827E+02	.07	1.260	1.0146E+02	.05	1.613
1.1558E+02	.09	1.429	1.0813E+02	.07	1.419	1.0126E+02	.03	2.669
1.1543E+02	.04	2.790	1.0792E+02	.07	1.529	1.0112E+02	-.01	5.961
1.1529E+02	.09	1.333	1.0778E+02	.11	.824	1.0099E+02	.00	19.739
1.1515E+02	.07	1.550	1.0757E+02	.09	.616	1.0086E+02	.00	15.365
1.1493E+02	.06	1.949	1.0750E+02	.06	1.306	1.0072E+02	.02	2.790
1.1479E+02	.10	1.246	1.0729E+02	.06	1.534	1.0059E+02	.03	2.206
1.1457E+02	.07	1.461	1.0715E+02	.06	1.580	1.0045E+02	.04	1.922
1.1443E+02	.01	8.868	1.0701E+02	.06	1.349	1.0032E+02	.06	1.544
1.1421E+02	-.02	3.653	1.0687E+02	.05	1.418	1.0018E+02	.11	1.016
1.1407E+02	.01	5.669	1.0667E+02	.03	1.512	9.9981E+01	.15	.492
1.1393E+02	.01	5.715	1.0660E+02	.03	2.258	9.9914E+01	.15	.680
1.1378E+02	-.05	1.227	1.0639E+02	.02	2.744	9.9712E+01	.10	.789
1.1357E+02	.01	14.494	1.0625E+02	.00	13.978	9.9645E+01	.08	1.272
1.1342E+02	.03	2.861	1.0611E+02	.04	2.055	9.9444E+01	.03	2.338
1.1321E+02	.05	1.598	1.0597E+02	.06	1.530	9.9378E+01	.04	1.954
1.1307E+02	.07	1.363	1.0577E+02	.02	3.347	9.9177E+01	.06	.936
1.1293E+02	.06	1.478	1.0570E+02	.04	2.777	9.9110E+01	.06	1.129
1.1278E+02	.04	2.023	1.0549E+02	.05	2.185	9.8910E+01	.03	2.968
1.1257E+02	.02	2.742	1.0535E+02	-.05	1.403	9.8776E+01	-.03	2.662
1.1243E+02	.03	1.975	1.0522E+02	-.05	1.576	9.8643E+01	.01	10.717
1.1221E+02	.04	1.339	1.0501E+02	-.02	2.088	9.8510E+01	.03	1.632
1.1207E+02	.10	1.056	1.0494E+02	-.01	14.291	9.8443E+01	.02	3.156
1.1193E+02	.14	1.342	1.0473E+02	-.00	30.843	9.8243E+01	.02	2.239
1.1179E+02	.06	1.474	1.0460E+02	.00	53.371	9.8177E+01	.03	2.058
1.1157E+02	.06	1.438	1.0446E+02	.01	5.838	9.7977E+01	.04	1.554
1.1143E+02	.07	1.399	1.0432E+02	.02	3.344	9.7844E+01	.05	1.381
1.1122E+02	.08	.848	1.0412E+02	.05	1.093	9.7712E+01	.05	1.332
1.1115E+02	.08	1.018	1.0405E+02	.05	1.396	9.7579E+01	.04	1.474
1.1094E+02	.08	1.126	1.0384E+02	.01	3.990	9.7447E+01	.02	1.792
1.1080E+02	.05	1.635	1.0377E+02	.01	7.151	9.7314E+01	.04	1.560
1.1058E+02	.06	.971	1.0357E+02	.01	7.208	9.7182E+01	.03	1.941
1.1051E+02	.06	1.275	1.0343E+02	-.02	3.338	9.7049E+01	.06	1.137
1.1030E+02	.05	2.292	1.0330E+02	-.03	2.246	9.6917E+01	.06	.751
1.1016E+02	.04	2.777	1.0316E+02	-.03	1.940	9.6785E+01	.25	.431
1.0995E+02	.06	.965	1.0302E+02	-.02	3.442	9.6653E+01	.45	.265
1.0988E+02	.07	1.133	1.0282E+02	.01	11.729	9.6521E+01	1.36	.140
1.0967E+02	.06	1.568	1.0275E+02	.01	8.546	9.6389E+01	7.09	.075
1.0953E+02	.04	2.156	1.0255E+02	.04	2.184	9.6323E+01	9.64	.084
1.0932E+02	.03	2.620	1.0241E+02	.04	2.037	9.6126E+01	12.08	.079
1.0918E+02	.04	1.838	1.0228E+02	.01	4.640	9.5994E+01	11.36	.077
1.0904E+02	.04	1.927	1.0214E+02	.05	1.559	9.5863E+01	9.73	.079
1.0890E+02	.07	1.186	1.0200E+02	.03	2.331	9.5731E+01	6.87	.074
1.0869E+02	.07	1.098	1.0187E+02	.02	3.714	9.5666E+01	6.13	.096
1.0855E+02	.07	1.107	1.0173E+02	.03	2.737	9.5469E+01	3.12	.086
1.0841E+02	.06	1.411	1.0160E+02	.04	2.212	9.5403E+01	2.80	.094

E(EV)	S(B)	DS/S	E(EV)	S(B)	DS/S	E(EV)	S(B)	DS/S
9.5206E+01	2.31	.094	8.9593E+01	.04	2.128	8.4459E+01	.64	.200
9.5141E+01	2.13	.121	8.9466E+01	.03	2.040	8.4335E+01	.43	.226
9.5010E+01	1.73	.212	8.9339E+01	.02	3.366	8.4274E+01	.38	.240
9.4814E+01	1.19	.121	8.9213E+01	.05	1.072	8.4089E+01	.32	.422
9.4749E+01	1.01	.174	8.9149E+01	.05	1.416	8.3966E+01	.27	.310
9.4553E+01	.57	.176	8.9023E+01	.09	.878	8.3904E+01	.26	.367
9.4487E+01	.48	.230	8.8896E+01	.07	1.031	8.3782E+01	.25	.437
9.4357E+01	.35	.359	8.8769E+01	.07	1.043	8.3659E+01	.20	.322
9.4227E+01	.32	.377	8.8643E+01	.08	.623	8.3597E+01	.19	.421
9.4096E+01	.23	.452	8.8580E+01	.09	.714	8.3474E+01	.18	.361
9.3966E+01	.21	.505	8.8453E+01	.07	1.085	8.3413E+01	.17	.396
9.3836E+01	.24	.440	8.8264E+01	.10	.529	8.3291E+01	.14	.647
9.3706E+01	.18	.619	8.8201E+01	.10	.692	8.3168E+01	.11	.642
9.3576E+01	.19	.600	8.8075E+01	.11	.523	8.3107E+01	.11	.752
9.3446E+01	.17	.577	8.8012E+01	.11	.603	8.2923E+01	.10	.601
9.3317E+01	.10	.807	8.7886E+01	.10	.797	8.2862E+01	.09	.668
9.3252E+01	.09	1.247	8.7697E+01	.08	.611	8.2740E+01	.07	1.261
9.3057E+01	.00	16.715	8.7635E+01	.08	.828	8.2618E+01	.07	.750
9.2993E+01	.00	572.509	8.7509E+01	.10	.724	8.2557E+01	.08	.759
9.2863E+01	.03	4.244	8.7383E+01	.09	.499	8.2435E+01	.09	.938
9.2734E+01	.09	1.389	8.7321E+01	.10	.722	8.2313E+01	.10	.657
9.2605E+01	.21	.696	8.7195E+01	.10	.859	8.2252E+01	.11	.709
9.2476E+01	.22	.815	8.7070E+01	.16	.699	8.2131E+01	.12	.748
9.2346E+01	.23	.928	8.6945E+01	.20	.642	8.2009E+01	.07	.765
9.2218E+01	.12	1.416	8.6819E+01	.26	.320	8.1948E+01	.07	.953
9.2089E+01	.05	1.833	8.6757E+01	.28	.416	8.1827E+01	-.01	3.978
9.1960E+01	.03	3.256	8.6632E+01	.38	.370	8.1705E+01	.09	.692
9.1831E+01	.21	.517	8.6507E+01	.56	.373	8.1645E+01	.10	.768
9.1767E+01	.21	.765	8.6382E+01	1.44	.146	8.1523E+01	.11	1.007
9.1638E+01	.13	.857	8.6257E+01	6.18	.118	8.1402E+01	.09	.701
9.1510E+01	.14	.680	8.6195E+01	8.04	.148	8.1342E+01	.10	.797
9.1381E+01	.09	.872	8.6070E+01	13.70	.075	8.1220E+01	.09	.672
9.1253E+01	.11	.885	8.5946E+01	15.60	.063	8.1160E+01	.09	.797
9.1125E+01	.09	1.067	8.5884E+01	15.12	.069	8.0979E+01	.09	.944
9.0997E+01	.09	.683	8.5697E+01	10.86	.091	8.0858E+01	.11	.554
9.0933E+01	.09	.806	8.5635E+01	9.58	.106	8.0798E+01	.10	.729
9.0805E+01	.08	1.031	8.5511E+01	6.99	.146	8.0677E+01	.07	.825
9.0613E+01	.10	.578	8.5387E+01	4.54	.078	8.0617E+01	.07	.887
9.0549E+01	.10	.722	8.5325E+01	4.06	.088	8.0496E+01	.04	1.826
9.0421E+01	.07	1.172	8.5201E+01	3.12	.095	8.0376E+01	.05	.957
9.0294E+01	.05	1.608	8.5077E+01	2.48	.113	8.0316E+01	.04	1.106
9.0166E+01	.05	1.454	8.4953E+01	1.98	.128	8.0195E+01	.03	2.185
9.0039E+01	.07	.825	8.4829E+01	1.59	.104	8.0075E+01	.07	.876
8.9975E+01	.07	1.014	8.4767E+01	1.50	.124	8.0015E+01	.08	.957
8.9784E+01	.03	2.197	8.4644E+01	1.20	.172	7.9895E+01	.08	1.144
8.9720E+01	.02	3.477	8.4521E+01	.77	.141	7.9775E+01	.12	.520

E(EV)	S(B)	DS/S	E(EV)	S(B)	DS/S	E(EV)	S(B)	DS/S
7.9715E+01	.12	.601	7.5399E+01	-.09	.989	7.1374E+01	.15	.414
7.9595E+01	.09	.914	7.5283E+01	-.17	.273	7.1317E+01	.15	.549
7.9475E+01	.05	.897	7.5166E+01	-.00	54.196	7.1204E+01	.14	.492
7.9416E+01	.08	.860	7.5108E+01	.03	1.928	7.1147E+01	.14	.313
7.9296E+01	.07	1.200	7.5050E+01	.06	1.456	7.1090E+01	.15	.336
7.9176E+01	.05	1.144	7.4934E+01	.08	1.218	7.0977E+01	.17	.564
7.9117E+01	.05	1.387	7.4876E+01	.09	1.169	7.0864E+01	.18	.348
7.8997E+01	.06	.825	7.4759E+01	.13	1.189	7.0808E+01	.17	.398
7.8938E+01	.07	.773	7.4643E+01	.09	.700	7.0695E+01	.15	.408
7.8818E+01	.07	.718	7.4585E+01	.08	.741	7.0638E+01	.15	.399
7.8759E+01	.07	.817	7.4469E+01	.04	2.110	7.0582E+01	.14	.618
7.8640E+01	.08	.819	7.4354E+01	.06	.888	7.0469E+01	.17	.695
7.8580E+01	.09	1.006	7.4296E+01	.06	.739	7.0356E+01	.45	.194
7.8461E+01	.09	.706	7.4238E+01	.06	1.120	7.0244E+01	1.10	.167
7.8402E+01	.08	.703	7.4122E+01	.08	.986	7.0131E+01	3.30	.087
7.8283E+01	.05	1.578	7.4064E+01	.08	1.044	7.0075E+01	4.20	.070
7.8164E+01	-.02	3.066	7.3949E+01	.13	.955	7.0019E+01	4.70	.077
7.8105E+01	-.03	1.959	7.3834E+01	.12	.539	6.9907E+01	4.35	.078
7.7986E+01	-.06	1.370	7.3776E+01	.10	.571	6.9850E+01	4.10	.079
7.7868E+01	-.08	.737	7.3718E+01	.10	.915	6.9738E+01	2.86	.091
7.7808E+01	-.08	.772	7.3603E+01	.16	.770	6.9682E+01	2.65	.101
7.7690E+01	-.06	1.272	7.3488E+01	.04	2.233	6.9570E+01	1.73	.117
7.7572E+01	-.02	4.406	7.3430E+01	.01	7.237	6.9514E+01	1.58	.131
7.7513E+01	-.00	601.242	7.3315E+01	-.05	1.474	6.9402E+01	.84	.135
7.7394E+01	.02	4.943	7.3258E+01	-.07	.853	6.9346E+01	.72	.130
7.7276E+01	.05	1.223	7.3200E+01	-.08	.974	6.9290E+01	.59	.192
7.7217E+01	.06	1.370	7.3085E+01	-.16	.823	6.9179E+01	.48	.284
7.7099E+01	.09	.807	7.2971E+01	-.20	.502	6.9067E+01	.41	.387
7.7041E+01	.10	.538	7.2913E+01	-.20	.573	6.8955E+01	.36	.513
7.6982E+01	.10	.620	7.2799E+01	-.14	.573	6.8844E+01	.26	.374
7.6864E+01	.08	1.371	7.2742E+01	-.11	.663	6.8788E+01	.23	.371
7.6746E+01	.05	1.213	7.2684E+01	-.09	1.292	6.8733E+01	.20	.633
7.6687E+01	.06	1.255	7.2570E+01	-.06	2.736	6.8621E+01	.20	.526
7.6570E+01	.09	1.336	7.2455E+01	-.02	3.955	6.8566E+01	.21	.319
7.6452E+01	.04	1.894	7.2398E+01	-.02	4.891	6.8510E+01	.22	.364
7.6394E+01	.02	3.568	7.2284E+01	-.02	2.870	6.8399E+01	.19	.922
7.6276E+01	-.05	1.175	7.2227E+01	-.01	10.618	6.8288E+01	.21	.578
7.6218E+01	-.06	.968	7.2170E+01	.01	12.515	6.8177E+01	.21	.874
7.6101E+01	-.07	1.181	7.2056E+01	.04	3.944	6.8066E+01	.22	.498
7.5983E+01	-.05	1.145	7.1942E+01	.07	1.746	6.8011E+01	.22	.336
7.5925E+01	-.05	.843	7.1885E+01	.09	1.011	6.7956E+01	.22	.408
7.5866E+01	-.06	.909	7.1828E+01	.09	.937	6.7845E+01	.28	.553
7.5749E+01	-.08	1.123	7.1714E+01	.09	.775	6.7790E+01	.26	.389
7.5633E+01	-.09	.836	7.1657E+01	.10	.749	6.7734E+01	.24	.444
7.5574E+01	-.10	.842	7.1544E+01	.15	1.025	6.7624E+01	.04	1.220
7.5458E+01	-.10	.775	7.1430E+01	.15	.508	6.7514E+01	.24	.532

E(EV)	S(B)	DS/S	E(EV)	S(B)	DS/S	E(EV)	S(B)	DS/S
6.7403E+01	.22	.923	6.3600E+01	.19	.636	6.0167E+01	.06	1.041
6.7293E+01	.19	.638	6.3493E+01	.12	.632	6.0062E+01	.08	.878
6.7238E+01	.13	.535	6.3386E+01	.39	.595	5.9958E+01	.02	3.006
6.7183E+01	.06	.719	6.3279E+01	.25	.591	5.9907E+01	-.02	2.204
6.7073E+01	.22	.599	6.3172E+01	.25	.586	5.9855E+01	-.06	.586
6.7018E+01	.23	.388	6.3119E+01	.29	.652	5.9803E+01	-.08	.552
6.6963E+01	.23	.455	6.3012E+01	.30	.744	5.9699E+01	-.21	.290
6.6853E+01	.23	.651	6.2959E+01	.24	.481	5.9647E+01	-.27	.183
6.6743E+01	.19	.425	6.2906E+01	.20	.516	5.9595E+01	-.34	.138
6.6634E+01	.23	.671	6.2799E+01	.18	.545	5.9543E+01	-.37	.150
6.6524E+01	.28	.453	6.2746E+01	.18	.570	5.9440E+01	-.33	.203
6.6415E+01	.27	.648	6.2693E+01	.21	.571	5.9388E+01	-.28	.193
6.6305E+01	.22	.311	6.2639E+01	.25	.659	5.9336E+01	-.21	.232
6.6251E+01	.22	.287	6.2533E+01	.22	.769	5.9284E+01	-.18	.323
6.6196E+01	.22	.429	6.2480E+01	.22	.449	5.9181E+01	-.14	.436
6.6087E+01	.18	.513	6.2427E+01	.23	.441	5.9130E+01	-.10	.556
6.6032E+01	.17	.473	6.2321E+01	.15	.619	5.9078E+01	-.05	1.073
6.5978E+01	.18	.433	6.2268E+01	.20	.522	5.9026E+01	-.02	3.034
6.5923E+01	.18	.487	6.2215E+01	.23	.501	5.8923E+01	.10	.743
6.5814E+01	.21	.675	6.2162E+01	.25	.619	5.8872E+01	.15	.437
6.5760E+01	.23	.455	6.2056E+01	.28	.474	5.8820E+01	.20	.322
6.5705E+01	.25	.523	6.2003E+01	.27	.458	5.8769E+01	.22	.309
6.5596E+01	.29	.925	6.1950E+01	.25	.789	5.8717E+01	.23	.320
6.5488E+01	.23	.564	6.1845E+01	.23	.528	5.8666E+01	.23	.305
6.5379E+01	.20	.864	6.1792E+01	.23	.442	5.8614E+01	.21	.363
6.5271E+01	.21	.532	6.1739E+01	.22	.462	5.8512E+01	.24	.428
6.5162E+01	.19	1.015	6.1687E+01	.21	.651	5.8460E+01	.26	.324
6.5054E+01	.17	.657	6.1581E+01	.11	.869	5.8409E+01	.26	.328
6.4999E+01	.17	.576	6.1528E+01	.06	1.155	5.8358E+01	.24	.457
6.4945E+01	.11	.694	6.1476E+01	-.01	7.215	5.8255E+01	.26	.654
6.4891E+01	.04	1.276	6.1423E+01	-.03	2.081	5.8204E+01	.20	.571
6.4783E+01	.13	.904	6.1318E+01	-.02	2.865	5.8152E+01	.18	.533
6.4729E+01	.12	.697	6.1213E+01	-.02	2.870	5.8101E+01	.18	.608
6.4675E+01	.12	.847	6.1160E+01	-.02	2.541	5.7999E+01	.24	.412
6.4567E+01	.12	.756	6.1055E+01	-.04	1.687	5.7948E+01	.22	.362
6.4513E+01	.14	.580	6.1003E+01	-.04	1.080	5.7846E+01	.22	.603
6.4459E+01	.16	.787	6.0950E+01	-.05	1.401	5.7795E+01	.23	.589
6.4352E+01	.17	.587	6.0846E+01	-.05	1.109	5.7693E+01	.18	.555
6.4298E+01	.18	.393	6.0793E+01	-.04	1.311	5.7591E+01	.13	.627
6.4244E+01	.19	.417	6.0741E+01	-.01	4.108	5.7540E+01	.11	.360
6.4136E+01	.17	.509	6.0689E+01	.00	25.496	5.7489E+01	.13	.296
6.4082E+01	.17	.563	6.0584E+01	.02	2.544	5.7438E+01	.17	.310
6.3975E+01	.18	.495	6.0480E+01	.09	.686	5.7387E+01	.18	.437
6.3868E+01	.28	.559	6.0427E+01	.10	.653	5.7285E+01	.18	.528
6.3760E+01	.24	.527	6.0323E+01	.07	.782	5.7235E+01	.13	.438
6.3653E+01	.19	.684	6.0219E+01	.07	.963	5.7184E+01	.11	.469

E(EV)	S(B)	DS/S	E(EV)	S(B)	DS/S	E(EV)	S(B)	DS/S
5.7133E+01	.15	.590	5.4227E+01	.16	.352	5.1397E+01	.21	.316
5.7031E+01	.26	.336	5.4178E+01	.18	.318	5.1349E+01	.29	.293
5.6981E+01	.26	.347	5.4079E+01	.24	.382	5.1301E+01	.31	.280
5.6879E+01	.23	.576	5.4029E+01	.23	.291	5.1253E+01	.22	.270
5.6829E+01	.23	.402	5.3980E+01	.23	.267	5.1205E+01	.16	.345
5.6778E+01	.24	.349	5.3931E+01	.21	.305	5.1156E+01	.19	.530
5.6728E+01	.25	.416	5.3881E+01	.20	.491	5.1060E+01	.16	.383
5.6627E+01	.22	.379	5.3783E+01	.22	.351	5.1012E+01	.15	.395
5.6576E+01	.25	.329	5.3734E+01	.24	.345	5.0917E+01	.15	.426
5.6525E+01	.27	.376	5.3635E+01	.16	.681	5.0869E+01	.13	.342
5.6475E+01	.25	.399	5.3586E+01	.19	.449	5.0821E+01	.12	.478
5.6425E+01	.24	.486	5.3537E+01	.29	.271	5.0725E+01	.03	2.339
5.6324E+01	.22	.330	5.3488E+01	.40	.188	5.0677E+01	.02	2.724
5.6273E+01	.21	.331	5.3439E+01	.39	.212	5.0629E+01	.01	9.497
5.6173E+01	.12	.605	5.3390E+01	.34	.380	5.0534E+01	.05	1.990
5.6122E+01	.13	.466	5.3292E+01	.30	.341	5.0486E+01	.06	.980
5.6072E+01	.10	.482	5.3243E+01	.30	.337	5.0438E+01	.06	.895
5.6022E+01	.08	.521	5.3145E+01	.33	.246	5.0391E+01	.03	1.325
5.5972E+01	.10	.658	5.3096E+01	.40	.233	5.0343E+01	.03	1.576
5.5871E+01	.14	.547	5.2998E+01	1.23	.174	5.0295E+01	.07	.852
5.5821E+01	.13	.413	5.2949E+01	1.73	.140	5.0248E+01	.13	.446
5.5771E+01	.09	.441	5.2900E+01	2.68	.108	5.0200E+01	.15	.327
5.5721E+01	.08	.478	5.2851E+01	3.66	.078	5.0153E+01	.14	.401
5.5670E+01	.13	.386	5.2802E+01	4.11	.068	5.0105E+01	.09	.666
5.5620E+01	.17	.319	5.2754E+01	4.11	.077	5.0058E+01	.05	1.688
5.5570E+01	.18	.396	5.2656E+01	3.36	.073	4.9963E+01	-.01	10.469
5.5470E+01	.12	.460	5.2607E+01	2.95	.065	4.9915E+01	-.00	39.884
5.5420E+01	.12	.343	5.2559E+01	2.51	.073	4.9868E+01	-.02	2.973
5.5370E+01	.11	.388	5.2461E+01	1.30	.103	4.9773E+01	.03	1.662
5.5320E+01	.10	.467	5.2413E+01	1.18	.099	4.9726E+01	.05	.741
5.5270E+01	.07	.538	5.2316E+01	.57	.205	4.9678E+01	.07	.615
5.5220E+01	.04	.735	5.2267E+01	.53	.147	4.9584E+01	.03	1.748
5.5121E+01	.07	.747	5.2218E+01	.49	.143	4.9536E+01	.04	1.076
5.5021E+01	.11	.545	5.2170E+01	.48	.141	4.9489E+01	.06	1.125
5.4971E+01	.10	.414	5.2121E+01	.45	.163	4.9395E+01	.12	.520
5.4921E+01	.12	.427	5.2073E+01	.41	.264	4.9348E+01	.10	.420
5.4872E+01	.14	.393	5.1976E+01	.21	.265	4.9300E+01	.09	.432
5.4822E+01	.17	.436	5.1928E+01	.15	.255	4.9253E+01	.09	.475
5.4772E+01	.20	.643	5.1879E+01	.12	.472	4.9159E+01	.15	.449
5.4673E+01	.11	.638	5.1783E+01	.25	.328	4.9112E+01	.13	.367
5.4574E+01	.13	.449	5.1734E+01	.25	.282	4.9065E+01	.11	.568
5.4524E+01	.13	.394	5.1638E+01	.22	.356	4.8971E+01	-.02	3.483
5.4475E+01	.14	.412	5.1590E+01	.22	.284	4.8924E+01	-.05	1.020
5.4425E+01	.16	.372	5.1541E+01	.20	.311	4.8877E+01	-.11	.465
5.4375E+01	.17	.327	5.1493E+01	.16	.340	4.8830E+01	-.15	.393
5.4326E+01	.17	.372	5.1445E+01	.16	.358	4.8736E+01	-.13	.571

E(EV)	S(B)	DS/S	E(EV)	S(B)	DS/S	E(EV)	S(B)	DS/S
4.8689E+01	-.13	.380	4.6192E+01	.18	.337	4.3982E+01	.13	.323
4.8642E+01	-.13	.431	4.6146E+01	.22	.361	4.3938E+01	.15	.410
4.8549E+01	-.05	1.172	4.6101E+01	.26	.322	4.3893E+01	.17	.415
4.8502E+01	-.03	1.518	4.6055E+01	.23	.306	4.3849E+01	.17	.358
4.8455E+01	.01	4.331	4.6009E+01	.18	.367	4.3804E+01	.15	.382
4.8409E+01	.04	1.351	4.5964E+01	.14	.415	4.3760E+01	.13	.441
4.8315E+01	.05	1.185	4.5918E+01	.12	.438	4.3716E+01	.12	.424
4.8268E+01	.03	1.384	4.5873E+01	.11	.503	4.3671E+01	.12	.379
4.8222E+01	.02	1.748	4.5827E+01	.10	.551	4.3627E+01	.13	.363
4.8175E+01	.03	1.314	4.5782E+01	.09	.551	4.3582E+01	.13	.401
4.8082E+01	.16	.520	4.5736E+01	.12	.447	4.3538E+01	.13	.449
4.8035E+01	.15	.400	4.5691E+01	.19	.318	4.3494E+01	.13	.459
4.7989E+01	.11	.416	4.5646E+01	.23	.259	4.3450E+01	.11	.429
4.7943E+01	.08	.610	4.5600E+01	.20	.278	4.3405E+01	.10	.491
4.7850E+01	.18	.415	4.5510E+01	.25	.357	4.3317E+01	.10	.641
4.7803E+01	.19	.315	4.5464E+01	.23	.297	4.3273E+01	.10	.449
4.7757E+01	.18	.343	4.5419E+01	.18	.361	4.3228E+01	.11	.487
4.7710E+01	.15	.517	4.5374E+01	.15	.381	4.3184E+01	.12	.533
4.7618E+01	.15	.430	4.5329E+01	.15	.324	4.3140E+01	.12	.576
4.7571E+01	.21	.328	4.5284E+01	.15	.304	4.3096E+01	.11	.657
4.7525E+01	.27	.331	4.5238E+01	.14	.385	4.3052E+01	.08	.764
4.7479E+01	.30	.437	4.5193E+01	.12	.482	4.3008E+01	.06	.695
4.7386E+01	.09	1.008	4.5148E+01	.10	.494	4.2964E+01	.08	.484
4.7340E+01	.11	.624	4.5103E+01	.10	.430	4.2920E+01	.14	.397
4.7294E+01	.15	.420	4.5058E+01	.10	.382	4.2876E+01	.21	.470
4.7247E+01	.16	.323	4.5013E+01	.11	.351	4.2788E+01	.22	.336
4.7201E+01	.14	.318	4.4968E+01	.12	.439	4.2744E+01	.22	.266
4.7155E+01	.11	.360	4.4878E+01	.22	.507	4.2700E+01	.23	.295
4.7109E+01	.11	.425	4.4833E+01	.25	.338	4.2656E+01	.28	.293
4.7063E+01	.13	.403	4.4788E+01	.26	.330	4.2612E+01	.29	.293
4.7017E+01	.15	.354	4.4743E+01	.20	.432	4.2569E+01	.20	.367
4.6971E+01	.15	.353	4.4698E+01	.13	.553	4.2525E+01	.13	.496
4.6925E+01	.16	.364	4.4653E+01	.11	.488	4.2481E+01	.15	.419
4.6879E+01	.16	.383	4.4608E+01	.11	.510	4.2437E+01	.19	.341
4.6833E+01	.15	.405	4.4518E+01	.06	.889	4.2394E+01	.20	.315
4.6787E+01	.15	.354	4.4474E+01	.08	.518	4.2350E+01	.19	.291
4.6741E+01	.16	.353	4.4429E+01	.10	.570	4.2306E+01	.19	.329
4.6649E+01	.17	.509	4.4384E+01	.11	.622	4.2263E+01	.22	.490
4.6603E+01	.16	.387	4.4339E+01	.10	.565	4.2175E+01	.13	.558
4.6558E+01	.13	.404	4.4295E+01	.10	.479	4.2132E+01	.14	.374
4.6512E+01	.13	.326	4.4250E+01	.11	.438	4.2088E+01	.20	.312
4.6466E+01	.17	.315	4.4205E+01	.11	.472	4.2044E+01	.23	.323
4.6375E+01	.18	.437	4.4161E+01	.11	.471	4.2001E+01	.20	.383
4.6329E+01	.15	.354	4.4116E+01	.12	.403	4.1957E+01	.15	.430
4.6283E+01	.14	.338	4.4072E+01	.13	.368	4.1914E+01	.17	.426
4.6237E+01	.16	.306	4.4027E+01	.13	.341	4.1870E+01	.21	.358

E(EV)	S(8)	OS/S	E(EV)	S(8)	DS/S	E(EV)	S(8)	DS/S
4.1827E+01	.24	.276	3.9811E+01	.24	.300	3.7885E+01	.03	1.800
4.1784E+01	.27	.217	3.9768E+01	.25	.319	3.7844E+01	.01	4.735
4.1740E+01	.30	.215	3.9726E+01	.26	.336	3.7803E+01	.01	5.372
4.1697E+01	.33	.219	3.9684E+01	.26	.310	3.7761E+01	.03	2.637
4.1653E+01	.39	.191	3.9641E+01	.23	.295	3.7720E+01	.04	1.507
4.1610E+01	.48	.161	3.9599E+01	.21	.332	3.7679E+01	.06	1.005
4.1567E+01	.58	.150	3.9557E+01	.26	.327	3.7638E+01	.08	1.069
4.1524E+01	.62	.150	3.9514E+01	.29	.303	3.7596E+01	.12	.934
4.1480E+01	.58	.188	3.9472E+01	.29	.337	3.7555E+01	.15	.631
4.1394E+01	.46	.181	3.9430E+01	.29	.357	3.7514E+01	.18	.384
4.1351E+01	.42	.149	3.9388E+01	.26	.326	3.7473E+01	.19	.334
4.1307E+01	.33	.186	3.9346E+01	.29	.323	3.7432E+01	.17	.416
4.1264E+01	.24	.221	3.9304E+01	.34	.306	3.7391E+01	.17	.485
4.1221E+01	.23	.243	3.9262E+01	.33	.267	3.7350E+01	.19	.417
4.1178E+01	.29	.253	3.9219E+01	.31	.250	3.7309E+01	.21	.329
4.1135E+01	.29	.271	3.9178E+01	.36	.243	3.7268E+01	.19	.336
4.1092E+01	.26	.311	3.9136E+01	.40	.232	3.7227E+01	.15	.488
4.1049E+01	.25	.324	3.9093E+01	.37	.241	3.7186E+01	.12	.662
4.1006E+01	.26	.296	3.9052E+01	.30	.245	3.7145E+01	.12	.642
4.0963E+01	.29	.342	3.9009E+01	.27	.271	3.7104E+01	.13	.524
4.0920E+01	.28	.408	3.8968E+01	.33	.292	3.7063E+01	.14	.491
4.0877E+01	.22	.420	3.8926E+01	.36	.279	3.7022E+01	.16	.484
4.0834E+01	.20	.356	3.8884E+01	.32	.271	3.6981E+01	.20	.420
4.0791E+01	.22	.421	3.8842E+01	.25	.261	3.6940E+01	.24	.327
4.0748E+01	.24	.494	3.8800E+01	.21	.347	3.6900E+01	.30	.296
4.0705E+01	.24	.448	3.8758E+01	.21	.431	3.6859E+01	.35	.308
4.0663E+01	.24	.358	3.8716E+01	.21	.413	3.6818E+01	.35	.312
4.0620E+01	.26	.300	3.8675E+01	.16	.401	3.6777E+01	.32	.293
4.0577E+01	.28	.273	3.8633E+01	.16	.437	3.6737E+01	.27	.257
4.0534E+01	.29	.283	3.8591E+01	.23	.384	3.6696E+01	.23	.368
4.0492E+01	.27	.324	3.8550E+01	.27	.330	3.6655E+01	.21	.541
4.0449E+01	.29	.313	3.8508E+01	.25	.318	3.6614E+01	.18	.582
4.0406E+01	.32	.273	3.8466E+01	.24	.309	3.6574E+01	.15	.545
4.0363E+01	.32	.303	3.8425E+01	.24	.301	3.6533E+01	.14	.515
4.0321E+01	.33	.328	3.8383E+01	.21	.314	3.6493E+01	.13	.589
4.0278E+01	.30	.321	3.8341E+01	.21	.343	3.6452E+01	.07	1.101
4.0236E+01	.24	.325	3.8300E+01	.22	.323	3.6412E+01	.02	4.287
4.0193E+01	.23	.316	3.8258E+01	.19	.349	3.6371E+01	-.01	7.664
4.0150E+01	.24	.338	3.8217E+01	.13	.514	3.6331E+01	.01	11.740
4.0108E+01	.25	.355	3.8175E+01	.12	.615	3.6290E+01	.07	1.788
4.0065E+01	.26	.319	3.8134E+01	.12	.603	3.6250E+01	.08	1.491
4.0023E+01	.26	.300	3.8092E+01	.09	.682	3.6209E+01	.10	1.019
3.9980E+01	.23	.331	3.8051E+01	.05	1.109	3.6169E+01	.22	.472
3.9938E+01	.18	.385	3.8009E+01	.03	2.208	3.6129E+01	.35	.357
3.9895E+01	.18	.397	3.7968E+01	.04	1.897	3.6088E+01	.37	.380
3.9853E+01	.22	.337	3.7927E+01	.05	1.438	3.6048E+01	.29	.421

E(EV)	S(B)	DS/S	E(EV)	S(B)	DS/S	E(EV)	S(B)	DS/S
3.6007E+01	.19	.473	3.4178E+01	.82	.149	3.2395E+01	.14	.740
3.5967E+01	.18	.510	3.4138E+01	.89	.136	3.2357E+01	.13	.823
3.5927E+01	.29	.389	3.4099E+01	1.01	.162	3.2319E+01	.18	.695
3.5887E+01	.36	.315	3.4060E+01	1.06	.185	3.2281E+01	.23	.598
3.5847E+01	.31	.318	3.4021E+01	.99	.185	3.2242E+01	.19	.663
3.5806E+01	.23	.349	3.3981E+01	.84	.182	3.2204E+01	.15	.715
3.5766E+01	.19	.466	3.3942E+01	.73	.205	3.2166E+01	.17	.716
3.5726E+01	.23	.499	3.3903E+01	.74	.227	3.2128E+01	.23	.671
3.5686E+01	.31	.360	3.3864E+01	.78	.203	3.2090E+01	.26	.587
3.5646E+01	.37	.257	3.3825E+01	.75	.175	3.2052E+01	.22	.565
3.5606E+01	.41	.212	3.3786E+01	.74	.183	3.2014E+01	.20	.531
3.5565E+01	.51	.218	3.3747E+01	.70	.197	3.1976E+01	.23	.486
3.5525E+01	.66	.208	3.3708E+01	.54	.218	3.1938E+01	.25	.503
3.5486E+01	.81	.168	3.3669E+01	.42	.257	3.1900E+01	.25	.521
3.5446E+01	.95	.124	3.3630E+01	.44	.255	3.1862E+01	.22	.507
3.5406E+01	1.14	.129	3.3591E+01	.49	.245	3.1824E+01	.27	.468
3.5366E+01	1.46	.134	3.3552E+01	.49	.252	3.1786E+01	.41	.407
3.5326E+01	2.03	.104	3.3513E+01	.43	.262	3.1749E+01	.46	.362
3.5286E+01	3.20	.079	3.3474E+01	.39	.264	3.1711E+01	.44	.335
3.5246E+01	5.55	.071	3.3436E+01	.41	.225	3.1673E+01	.44	.308
3.5206E+01	9.70	.067	3.3397E+01	.43	.216	3.1635E+01	.41	.333
3.5166E+01	17.26	.074	3.3358E+01	.46	.248	3.1597E+01	.35	.424
3.5126E+01	30.33	.070	3.3319E+01	.46	.266	3.1560E+01	.33	.454
3.5086E+01	47.26	.063	3.3280E+01	.40	.280	3.1522E+01	.30	.440
3.5047E+01	62.73	.059	3.3242E+01	.32	.320	3.1484E+01	.27	.415
3.5007E+01	72.21	.058	3.3203E+01	.29	.400	3.1447E+01	.28	.416
3.4967E+01	74.20	.059	3.3164E+01	.27	.434	3.1409E+01	.33	.422
3.4928E+01	68.91	.059	3.3126E+01	.27	.418	3.1371E+01	.41	.370
3.4888E+01	58.35	.059	3.3087E+01	.27	.409	3.1334E+01	.43	.320
3.4848E+01	45.60	.062	3.3048E+01	.26	.428	3.1296E+01	.40	.318
3.4809E+01	32.07	.063	3.3010E+01	.24	.457	3.1259E+01	.36	.382
3.4769E+01	20.02	.064	3.2971E+01	.25	.451	3.1221E+01	.34	.436
3.4729E+01	11.75	.068	3.2933E+01	.28	.410	3.1183E+01	.33	.412
3.4690E+01	7.03	.070	3.2894E+01	.28	.381	3.1146E+01	.33	.358
3.4650E+01	5.01	.080	3.2855E+01	.27	.409	3.1109E+01	.33	.354
3.4611E+01	4.29	.100	3.2817E+01	.26	.484	3.1071E+01	.32	.403
3.4571E+01	3.29	.110	3.2779E+01	.23	.532	3.1034E+01	.33	.438
3.4532E+01	2.21	.107	3.2740E+01	.21	.481	3.0996E+01	.35	.397
3.4492E+01	1.71	.105	3.2702E+01	.21	.494	3.0959E+01	.35	.355
3.4453E+01	1.58	.114	3.2663E+01	.28	.504	3.0921E+01	.31	.403
3.4414E+01	1.43	.124	3.2625E+01	.37	.409	3.0884E+01	.29	.489
3.4374E+01	1.23	.140	3.2587E+01	.34	.383	3.0847E+01	.31	.470
3.4335E+01	1.09	.149	3.2548E+01	.22	.521	3.0809E+01	.37	.391
3.4295E+01	1.13	.141	3.2510E+01	.12	.849	3.0772E+01	.38	.365
3.4256E+01	1.16	.133	3.2472E+01	.11	.924	3.0735E+01	.33	.397
3.4217E+01	.97	.144	3.2433E+01	.15	.765	3.0698E+01	.30	.457

E(EV)	S(8)	OS/S	E(EV)	S(8)	DS/S	E(EV)	S(8)	OS/S
3.0660E+01	.35	.416	2.8937E+01	.32	.544	2.7299E+01	-.13	2.130
3.0623E+01	.41	.307	2.8901E+01	.24	.631	2.7264E+01	-.09	4.285
3.0549E+01	.40	.465	2.8865E+01	.23	.726	2.7229E+01	-.05	7.534
3.0512E+01	.41	.454	2.8829E+01	.24	.781	2.7194E+01	-.07	4.312
3.0475E+01	.38	.364	2.8793E+01	.24	.743	2.7159E+01	-.11	1.821
3.0438E+01	.38	.342	2.8757E+01	.24	.658	2.7124E+01	-.13	1.400
3.0401E+01	.46	.357	2.8721E+01	.21	.743	2.7089E+01	-.12	1.582
3.0364E+01	.51	.342	2.8685E+01	.19	.974	2.7054E+01	-.07	2.848
3.0327E+01	.48	.349	2.8649E+01	.21	.905	2.7019E+01	-.01	31.204
3.0290E+01	.40	.358	2.8613E+01	.27	.610	2.6984E+01	.04	5.530
3.0253E+01	.35	.344	2.8577E+01	.34	.455	2.6949E+01	.05	4.537
3.0216E+01	.35	.451	2.8541E+01	.38	.450	2.6915E+01	.02	12.964
3.0179E+01	.30	.604	2.8505E+01	.39	.493	2.6880E+01	.02	14.484
3.0142E+01	.26	.612	2.8470E+01	.37	.540	2.6845E+01	.05	5.060
3.0105E+01	.33	.438	2.8434E+01	.32	.558	2.6810E+01	.02	8.786
3.0068E+01	.56	.345	2.8398E+01	.23	.780	2.6775E+01	.01	27.297
3.0032E+01	.72	.296	2.8362E+01	.14	1.555	2.6741E+01	.10	2.237
2.9995E+01	.61	.294	2.8327E+01	.12	1.937	2.6706E+01	.15	1.670
2.9958E+01	.47	.288	2.8291E+01	.10	1.702	2.6671E+01	.03	8.943
2.9921E+01	.54	.291	2.8255E+01	.09	1.757	2.6637E+01	-.09	2.418
2.9885E+01	.70	.310	2.8219E+01	.11	1.826	2.6602E+01	-.16	1.473
2.9848E+01	.69	.319	2.8184E+01	.15	1.470	2.6567E+01	-.26	1.008
2.9811E+01	.56	.320	2.8148E+01	.17	1.132	2.6533E+01	-.26	.936
2.9774E+01	.56	.283	2.8112E+01	.18	.845	2.6498E+01	-.17	1.238
2.9738E+01	.69	.242	2.8077E+01	.23	.699	2.6464E+01	-.14	1.520
2.9701E+01	.68	.254	2.8041E+01	.24	.722	2.6429E+01	-.17	1.396
2.9665E+01	.49	.352	2.8006E+01	.21	.881	2.6394E+01	-.15	1.740
2.9628E+01	.36	.474	2.7970E+01	.20	.946	2.6360E+01	-.06	4.032
2.9591E+01	.42	.376	2.7935E+01	.21	.801	2.6326E+01	.02	9.655
2.9555E+01	.59	.279	2.7899E+01	.24	.771	2.6291E+01	.05	4.167
2.9519E+01	.69	.265	2.7864E+01	.17	1.158	2.6257E+01	.04	6.773
2.9482E+01	.67	.281	2.7828E+01	.04	5.133	2.6222E+01	.04	7.166
2.9446E+01	.59	.313	2.7793E+01	-.04	8.332	2.6188E+01	.08	3.260
2.9409E+01	.54	.348	2.7757E+01	-.10	5.095	2.6154E+01	.18	1.423
2.9373E+01	.47	.417	2.7722E+01	-.20	2.568	2.6119E+01	.31	.822
2.9336E+01	.40	.505	2.7687E+01	-.26	1.262	2.6085E+01	.47	.571
2.9300E+01	.35	.521	2.7651E+01	-.21	.940	2.6051E+01	.64	.466
2.9264E+01	.34	.506	2.7616E+01	-.09	1.989	2.6016E+01	.61	.494
2.9227E+01	.38	.490	2.7581E+01	-.01	21.171	2.5982E+01	.42	.657
2.9191E+01	.42	.486	2.7545E+01	.03	7.286	2.5948E+01	.33	.765
2.9155E+01	.31	.601	2.7510E+01	.05	4.758	2.5914E+01	.39	.718
2.9118E+01	.22	.726	2.7475E+01	.07	2.768	2.5879E+01	.41	.688
2.9082E+01	.28	.548	2.7440E+01	.11	1.689	2.5845E+01	.37	.665
2.9046E+01	.37	.460	2.7405E+01	.11	2.025	2.5811E+01	.33	.744
2.9010E+01	.42	.459	2.7370E+01	.03	8.785	2.5777E+01	.31	.953
2.8974E+01	.40	.487	2.7334E+01	-.09	2.656	2.5743E+01	.30	1.020

E(EV)	S(B)	DS/S	E(EV)	S(B)	DS/S	E(EV)	S(B)	DS/S
2.5709E+01	.31	.816	2.4166E+01	1.20	.385	2.2671E+01	14.54	.089
2.5675E+01	.32	.780	2.4133E+01	1.27	.331	2.2639E+01	8.33	.112
2.5641E+01	.36	.925	2.4100E+01	1.30	.307	2.2607E+01	5.36	.150
2.5607E+01	.43	.844	2.4067E+01	1.27	.337	2.2575E+01	3.79	.214
2.5573E+01	.40	.809	2.4034E+01	1.22	.384	2.2543E+01	3.00	.267
2.5539E+01	.28	.936	2.4001E+01	1.14	.404	2.2511E+01	2.22	.323
2.5505E+01	.27	1.047	2.3968E+01	1.00	.413	2.2480E+01	1.59	.378
2.5471E+01	.40	.972	2.3936E+01	.87	.486	2.2448E+01	1.43	.432
2.5437E+01	.50	.801	2.3903E+01	.87	.543	2.2416E+01	1.41	.492
2.5403E+01	.43	.700	2.3870E+01	1.07	.456	2.2384E+01	1.43	.500
2.5369E+01	.32	.766	2.3837E+01	1.34	.353	2.2352E+01	1.24	.526
2.5336E+01	.35	.880	2.3804E+01	1.58	.313	2.2321E+01	.89	.651
2.5302E+01	.41	.848	2.3771E+01	1.79	.305	2.2289E+01	.80	.785
2.5268E+01	.40	.813	2.3739E+01	1.78	.307	2.2257E+01	.73	.983
2.5234E+01	.37	.762	2.3706E+01	1.58	.304	2.2226E+01	.37	5.065
2.5201E+01	.42	.649	2.3673E+01	1.42	.308	2.2194E+01	.00	999.000
2.5167E+01	.60	.611	2.3641E+01	1.48	.348	2.2162E+01	-.13	34.964
2.5133E+01	.74	.551	2.3608E+01	1.51	.377	2.2131E+01	-.03	95.805
2.5100E+01	.76	.462	2.3575E+01	1.10	.479	2.2099E+01	.24	3.167
2.5066E+01	.75	.375	2.3543E+01	.75	.616	2.2067E+01	.46	1.636
2.5032E+01	.80	.437	2.3510E+01	1.02	.447	2.2036E+01	.46	1.687
2.4999E+01	.99	.512	2.3478E+01	1.40	.368	2.2005E+01	.25	3.311
2.4965E+01	1.13	.448	2.3445E+01	1.38	.399	2.1973E+01	-.03	30.131
2.4932E+01	1.13	.335	2.3413E+01	1.25	.416	2.1942E+01	-.19	4.018
2.4898E+01	1.25	.286	2.3380E+01	1.18	.387	2.1910E+01	-.20	3.393
2.4865E+01	1.80	.251	2.3348E+01	1.17	.417	2.1879E+01	-.23	3.112
2.4831E+01	2.23	.227	2.3315E+01	1.25	.437	2.1847E+01	-.28	3.023
2.4798E+01	1.80	.254	2.3283E+01	1.25	.450	2.1816E+01	-.11	7.553
2.4764E+01	1.15	.323	2.3250E+01	1.01	.529	2.1784E+01	.17	4.672
2.4731E+01	.95	.352	2.3218E+01	.77	.619	2.1753E+01	.35	2.090
2.4697E+01	.93	.403	2.3186E+01	.82	.592	2.1722E+01	.38	2.141
2.4664E+01	.81	.506	2.3153E+01	1.09	.499	2.1691E+01	.30	3.048
2.4631E+01	.70	.562	2.3121E+01	1.70	.338	2.1659E+01	.01	165.374
2.4597E+01	.74	.474	2.3089E+01	2.56	.224	2.1628E+01	-.30	2.552
2.4564E+01	.84	.414	2.3057E+01	3.16	.197	2.1597E+01	-.41	1.777
2.4531E+01	.88	.454	2.3024E+01	4.38	.170	2.1566E+01	-.53	1.887
2.4497E+01	.80	.525	2.2992E+01	8.33	.112	2.1534E+01	-.34	3.275
2.4464E+01	.66	.548	2.2960E+01	16.36	.078	2.1503E+01	.03	28.693
2.4431E+01	.76	.474	2.2928E+01	29.09	.068	2.1472E+01	-.02	33.948
2.4398E+01	1.10	.442	2.2895E+01	44.83	.066	2.1441E+01	-.35	1.911
2.4365E+01	1.21	.430	2.2863E+01	56.37	.065	2.1410E+01	-.65	1.209
2.4332E+01	1.07	.405	2.2831E+01	57.74	.064	2.1379E+01	-.78	1.191
2.4298E+01	1.01	.354	2.2799E+01	52.67	.063	2.1348E+01	-.63	1.456
2.4265E+01	1.02	.339	2.2767E+01	46.27	.065	2.1317E+01	-.30	2.966
2.4232E+01	1.03	.389	2.2735E+01	37.23	.069	2.1286E+01	-.17	6.574
2.4199E+01	1.10	.415	2.2703E+01	25.24	.075	2.1255E+01	-.43	2.824

E(EV)	S(B)	DS/S	E(EV)	S(B)	DS/S	E(EV)	S(B)	DS/S
2.1224E+01	-.71	1.464	2.0793E+01	1.92	.676	2.0366E+01	1.72	.896
2.1193E+01	-.70	1.264	2.0762E+01	1.70	.726	2.0336E+01	1.77	.828
2.1162E+01	-.55	1.530	2.0732E+01	1.58	.820	2.0306E+01	1.90	.800
2.1131E+01	-.46	2.101	2.0701E+01	1.74	.841	2.0275E+01	1.93	.887
2.1100E+01	-.42	2.590	2.0670E+01	1.81	.795	2.0245E+01	1.48	1.149
2.1069E+01	-.39	2.765	2.0640E+01	2.10	.638	2.0215E+01	1.13	1.325
2.1038E+01	-.23	4.213	2.0609E+01	2.85	.467	2.0185E+01	1.09	1.256
2.1008E+01	.19	5.394	2.0579E+01	2.82	.475	2.0155E+01	1.09	1.537
2.0977E+01	.92	1.272	2.0548E+01	1.70	.793	2.0124E+01	1.35	1.434
2.0946E+01	1.74	.719	2.0518E+01	.75	1.831	2.0094E+01	1.48	1.236
2.0915E+01	2.19	.547	2.0488E+01	.68	1.873	2.0064E+01	1.21	1.311
2.0885E+01	2.26	.468	2.0457E+01	1.05	1.107	2.0034E+01	1.06	1.429
2.0854E+01	2.18	.493	2.0427E+01	1.32	.948	2.0004E+01	1.30	1.523
2.0823E+01	2.05	.596	2.0396E+01	1.54	.935	1.9974E+01	1.52	2.292

APPENDIX II

FISSION CROSS SECTION OF 245CM

E(EV)	S(B)	DS/S	E(EV)	S(B)	DS/S	E(EV)	S(B)	DS/S
2.8312E+06	2.00	.095	2.3211E+05	2.24	.165	6.4380E+04	2.12	.230
2.5337E+06	2.01	.141	2.2232E+05	2.22	.104	6.2219E+04	2.44	.122
2.2807E+06	2.19	.130	2.1765E+05	2.34	.100	6.0166E+04	2.62	.200
2.0638E+06	2.24	.100	2.0875E+05	2.24	.181	5.7896E+04	2.48	.192
1.8764E+06	2.08	.096	2.0450E+05	2.27	.121	5.6052E+04	2.41	.236
1.7135E+06	2.19	.133	1.9639E+05	2.37	.139	5.4294E+04	2.74	.115
1.5272E+06	2.20	.130	1.9251E+05	2.11	.087	5.2617E+04	2.62	.171
1.4453E+06	1.97	.093	1.8509E+05	2.21	.116	5.1017E+04	2.63	.231
1.3001E+06	1.93	.088	1.7980E+05	2.12	.126	4.9489E+04	2.67	.207
1.2355E+06	1.90	.093	1.7474E+05	2.52	.085	4.8029E+04	2.34	.235
1.1201E+06	1.72	.107	1.6989E+05	2.45	.085	4.6632E+04	2.39	.298
1.0683E+06	1.77	.100	1.6524E+05	2.38	.100	4.5296E+04	2.69	.325
9.7501E+05	1.77	.093	1.6077E+05	2.45	.106	4.3807E+04	2.71	.288
9.3288E+05	1.83	.094	1.5649E+05	2.35	.099	4.2590E+04	2.41	.301
8.5642E+05	1.78	.094	1.5237E+05	2.08	.174	4.1422E+04	2.41	.242
8.2166E+05	1.88	.085	1.4713E+05	2.20	.222	4.0301E+04	2.67	.347
7.5822E+05	1.88	.083	1.4461E+05	2.66	.102	3.9226E+04	2.48	.197
7.1533E+05	1.72	.089	1.3976E+05	2.55	.253	3.8193E+04	2.34	.233
6.7598E+05	1.82	.121	1.3743E+05	2.45	.201	3.7200E+04	2.38	.368
6.3980E+05	1.68	.092	1.3293E+05	2.41	.118	3.6245E+04	2.67	.338
6.0644E+05	1.80	.081	1.3077E+05	2.41	.110	3.5178E+04	3.00	.160
5.7562E+05	1.67	.082	1.2659E+05	2.38	.139	3.4299E+04	2.73	.250
5.4710E+05	1.86	.149	1.2458E+05	2.40	.117	3.3454E+04	2.61	.256
5.2065E+05	1.89	.075	1.2070E+05	2.26	.131	3.2639E+04	2.61	.247
4.8826E+05	1.77	.078	1.1882E+05	2.12	.154	3.1853E+04	2.73	.232
4.7318E+05	1.89	.098	1.1520E+05	2.95	.096	3.1096E+04	2.58	.145
4.4506E+05	1.81	.079	1.1259E+05	2.46	.292	3.0365E+04	2.62	.250
4.3193E+05	1.94	.147	1.1007E+05	2.40	.258	2.9660E+04	2.59	.190
4.0735E+05	1.83	.078	1.0764E+05	2.40	.211	2.8979E+04	2.80	.145
3.9584E+05	1.97	.089	1.0528E+05	2.36	.108	2.8214E+04	2.76	.258
3.7424E+05	1.96	.076	1.0300E+05	2.21	.117	2.7582E+04	2.96	.202
3.6409E+05	2.00	.083	1.0080E+05	2.06	.231	2.6971E+04	2.84	.253
3.4501E+05	2.00	.186	9.8660E+04	2.00	.199	2.6380E+04	3.22	.270
3.3166E+05	2.06	.193	9.4586E+04	2.00	.235	2.5808E+04	2.91	.217
3.1907E+05	2.02	.222	9.0760E+04	2.01	.222	2.5255E+04	2.51	.226
3.0718E+05	2.14	.117	8.7161E+04	2.19	.242	2.4719E+04	3.05	.251
2.9595E+05	2.20	.135	8.3772E+04	2.31	.155	2.4200E+04	2.98	.209
2.8532E+05	2.20	.103	8.0062E+04	2.33	.124	2.3615E+04	3.08	.170
2.7526E+05	2.24	.115	7.7075E+04	2.49	.152	2.3130E+04	3.16	.140
2.6572E+05	2.11	.104	7.4252E+04	2.44	.137	2.2660E+04	3.09	.233
2.5375E+05	2.18	.092	7.1581E+04	2.33	.165	2.2205E+04	2.78	.205
2.4806E+05	2.21	.121	6.9052E+04	2.44	.152	2.1763E+04	2.97	.224
2.3725E+05	2.23	.175	6.6654E+04	2.23	.151	2.1334E+04	2.82	.329

E(EV)	S(B)	DS/S	E(EV)	S(B)	DS/S	E(EV)	S(B)	DS/S
2.0917E+04	2.78	.318	9.7998E+03	4.64	.150	5.6728E+03	5.19	.361
2.0513E+04	2.89	.266	9.6696E+03	4.90	.117	5.6153E+03	6.85	.309
2.0120E+04	2.92	.303	9.5419E+03	4.46	.246	5.5587E+03	6.56	.154
1.9676E+04	2.72	.402	9.4167E+03	4.66	.285	5.5029E+03	5.80	.128
1.9307E+04	2.97	.271	9.2940E+03	4.48	.228	5.4480E+03	5.53	.332
1.8948E+04	3.19	.217	9.1737E+03	4.81	.228	5.3849E+03	4.15	.355
1.8599E+04	3.27	.246	9.0557E+03	4.02	.339	5.3317E+03	6.38	.141
1.8260E+04	3.33	.238	8.9399E+03	3.92	.278	5.2794E+03	6.24	.123
1.7930E+04	3.32	.190	8.8077E+03	3.65	.349	5.2277E+03	5.21	.190
1.7608E+04	3.06	.193	8.6967E+03	3.57	.226	5.1768E+03	6.06	.121
1.7296E+04	3.21	.318	8.5877E+03	3.66	.194	5.1267E+03	6.13	.261
1.6991E+04	2.98	.438	8.4808E+03	3.27	.157	5.0773E+03	6.91	.249
1.6646E+04	2.98	.241	8.3759E+03	4.44	.141	5.0286E+03	6.05	.273
1.6359E+04	3.23	.197	8.2729E+03	5.37	.218	4.9806E+03	6.14	.384
1.6078E+04	3.08	.246	8.1718E+03	4.28	.134	4.9255E+03	4.08	.446
1.5805E+04	3.40	.197	8.0725E+03	4.38	.202	4.8789E+03	4.25	.310
1.5539E+04	3.17	.433	7.9750E+03	3.99	.196	4.8330E+03	4.96	.256
1.5280E+04	3.04	.223	7.8635E+03	4.81	.390	4.7878E+03	5.25	.338
1.5027E+04	2.96	.255	7.7698E+03	5.38	.194	4.7432E+03	4.40	.471
1.4780E+04	2.50	.147	7.6778E+03	4.80	.157	4.6992E+03	3.44	.621
1.4500E+04	3.45	.195	7.5874E+03	4.99	.278	4.6559E+03	4.65	.298
1.4266E+04	3.34	.232	7.4985E+03	5.17	.303	4.6131E+03	4.83	.391
1.4038E+04	3.67	.324	7.4112E+03	5.03	.290	4.5709E+03	4.98	.253
1.3815E+04	3.98	.314	7.3255E+03	4.62	.289	4.5224E+03	6.29	.360
1.3597E+04	3.95	.193	7.2412E+03	5.05	.124	4.4814E+03	5.29	.285
1.3385E+04	3.69	.144	7.1583E+03	5.43	.294	4.4410E+03	5.63	.225
1.3177E+04	3.25	.232	7.0635E+03	5.12	.283	4.4012E+03	5.01	.141
1.2974E+04	3.44	.161	6.9837E+03	4.96	.364	4.3619E+03	5.30	.207
1.2776E+04	4.08	.161	6.9052E+03	4.87	.454	4.3231E+03	5.25	.259
1.2551E+04	4.34	.174	6.8280E+03	4.91	.280	4.2848E+03	5.25	.291
1.2362E+04	3.92	.144	6.7522E+03	5.49	.203	4.2470E+03	5.49	.232
1.2178E+04	3.64	.237	6.6775E+03	5.30	.214	4.2036E+03	6.71	.351
1.1997E+04	3.48	.263	6.6042E+03	4.84	.359	4.1669E+03	5.65	.256
1.1821E+04	3.16	.225	6.5320E+03	4.83	.187	4.1306E+03	5.01	.211
1.1649E+04	3.56	.175	6.4493E+03	4.08	.341	4.0949E+03	6.34	.300
1.1480E+04	3.47	.307	6.3796E+03	4.29	.127	4.0596E+03	6.58	.164
1.1315E+04	3.69	.240	6.3111E+03	3.85	.185	4.0247E+03	6.48	.256
1.1127E+04	3.63	.343	6.2436E+03	4.63	.179	3.9904E+03	5.35	.330
1.0970E+04	4.29	.244	6.1773E+03	5.10	.271	3.9564E+03	5.71	.295
1.0815E+04	3.85	.307	6.1120E+03	5.09	.295	3.9229E+03	5.60	.210
1.0664E+04	4.32	.139	6.0477E+03	4.87	.251	3.8843E+03	6.50	.350
1.0517E+04	4.83	.178	5.9844E+03	5.57	.324	3.8517E+03	7.71	.202
1.0372E+04	4.34	.284	5.9221E+03	6.83	.179	3.8195E+03	6.27	.171
1.0230E+04	4.41	.232	5.8507E+03	8.50	.157	3.7877E+03	6.06	.269
1.0091E+04	4.73	.341	5.7905E+03	5.45	.142	3.7563E+03	5.40	.242
9.9551E+03	3.98	.134	5.7312E+03	5.13	.244	3.7253E+03	4.32	.209

E(EV)	S(B)	DS/S	E(EV)	S(B)	DS/S	E(EV)	S(B)	DS/S
3.6946E+03	5.57	.297	2.5932E+03	9.40	.396	1.9218E+03	6.76	.224
3.6644E+03	6.22	.228	2.5754E+03	6.17	.400	1.9086E+03	5.98	.450
3.6295E+03	5.88	.129	2.5578E+03	4.99	.436	1.8954E+03	5.32	.461
3.6001E+03	6.52	.130	2.5403E+03	6.19	.267	1.8843E+03	5.60	.408
3.5710E+03	7.01	.149	2.5231E+03	5.85	.304	1.8733E+03	7.33	.142
3.5422E+03	9.00	.363	2.5060E+03	5.11	.223	1.8623E+03	7.49	.226
3.5138E+03	5.81	.300	2.4890E+03	6.82	.159	1.8515E+03	7.43	.244
3.4857E+03	5.88	.216	2.4695E+03	7.19	.146	1.8407E+03	7.92	.134
3.4580E+03	6.30	.162	2.4530E+03	7.78	.196	1.8301E+03	8.56	.149
3.4306E+03	8.62	.248	2.4366E+03	8.39	.340	1.8195E+03	10.23	.175
3.4035E+03	7.61	.162	2.4204E+03	8.22	.119	1.8091E+03	13.34	.172
3.3723E+03	7.08	.185	2.4043E+03	5.61	.425	1.7970E+03	7.24	.363
3.3459E+03	7.71	.302	2.3884E+03	5.54	.320	1.7867E+03	7.06	.236
3.3199E+03	7.35	.263	2.3727E+03	6.49	.221	1.7765E+03	8.05	.244
3.2941E+03	7.84	.228	2.3571E+03	7.20	.202	1.7664E+03	9.79	.299
3.2686E+03	6.68	.296	2.3416E+03	6.75	.345	1.7564E+03	8.23	.216
3.2434E+03	7.36	.295	2.3238E+03	7.68	.398	1.7464E+03	7.30	.482
3.2185E+03	6.84	.462	2.3087E+03	3.79	.234	1.7366E+03	15.43	.279
3.1939E+03	6.67	.214	2.2938E+03	5.83	.230	1.7268E+03	13.81	.261
3.1656E+03	5.88	.269	2.2789E+03	8.51	.207	1.7155E+03	12.69	.242
3.1416E+03	4.97	.233	2.2643E+03	7.81	.408	1.7059E+03	11.16	.295
3.1178E+03	5.09	.344	2.2497E+03	8.28	.517	1.6964E+03	9.82	.356
3.0944E+03	6.16	.323	2.2354E+03	9.11	.396	1.6870E+03	5.82	.494
3.0711E+03	6.04	.290	2.2211E+03	10.07	.223	1.6777E+03	6.61	.407
3.0482E+03	5.51	.328	2.2046E+03	8.47	.256	1.6684E+03	6.59	.300
3.0255E+03	5.25	.152	2.1907E+03	6.90	.232	1.6592E+03	6.05	.232
3.0031E+03	6.32	.175	2.1768E+03	7.83	.227	1.6501E+03	9.76	.302
2.9809E+03	5.23	.207	2.1631E+03	8.87	.205	1.6410E+03	5.63	.196
2.9553E+03	3.88	.390	2.1496E+03	9.32	.222	1.6306E+03	6.50	.203
2.9337E+03	4.83	.378	2.1361E+03	9.85	.375	1.6217E+03	6.82	.143
2.9123E+03	4.60	.426	2.1228E+03	8.03	.343	1.6129E+03	6.42	.198
2.8911E+03	5.56	.227	2.1096E+03	7.08	.411	1.6041E+03	7.93	.146
2.8701E+03	6.58	.170	2.0966E+03	7.04	.147	1.5955E+03	11.59	.241
2.8494E+03	6.93	.298	2.0814E+03	8.76	.228	1.5869E+03	9.13	.221
2.8289E+03	4.85	.370	2.0686E+03	7.36	.317	1.5783E+03	8.78	.296
2.8086E+03	4.66	.331	2.0559E+03	5.34	.161	1.5699E+03	11.21	.340
2.7852E+03	4.27	.321	2.0434E+03	7.74	.144	1.5601E+03	7.91	.260
2.7654E+03	4.97	.271	2.0309E+03	9.02	.237	1.5518E+03	8.65	.396
2.7458E+03	4.70	.415	2.0186E+03	8.78	.283	1.5435E+03	7.16	.281
2.7264E+03	6.38	.388	2.0063E+03	6.79	.218	1.5353E+03	7.31	.136
2.7072E+03	6.29	.157	1.9942E+03	7.20	.331	1.5272E+03	8.68	.159
2.6882E+03	6.45	.281	1.9822E+03	5.62	.529	1.5192E+03	12.70	.187
2.6694E+03	5.55	.315	1.9683E+03	5.22	.353	1.5112E+03	13.63	.151
2.6508E+03	7.03	.188	1.9565E+03	7.77	.385	1.5032E+03	13.89	.203
2.6324E+03	10.16	.321	1.9449E+03	7.13	.384	1.4954E+03	12.63	.171
2.6112E+03	10.65	.333	1.9333E+03	6.21	.223	1.4863E+03	10.94	.207

E(EV)	S(B)	OS/S	E(EV)	S(B)	DS/S	E(EV)	S(B)	OS/S
1.4785E+03	12.69	.318	1.1745E+03	9.62	.485	9.9184E+02	7.09	.311
1.4709E+03	12.14	.280	1.1691E+03	9.76	.224	9.9114E+02	8.45	.236
1.4633E+03	14.37	.257	1.1637E+03	8.08	.286	9.9043E+02	8.95	.131
1.4557E+03	17.50	.276	1.1583E+03	10.26	.133	9.8973E+02	8.28	.162
1.4482E+03	18.22	.304	1.1521E+03	10.95	.260	9.8832E+02	6.01	.160
1.4408E+03	13.77	.387	1.1468E+03	11.30	.265	9.8762E+02	4.87	.237
1.4334E+03	10.05	.240	1.1416E+03	12.95	.224	9.8692E+02	3.60	.311
1.4248E+03	12.35	.360	1.1364E+03	19.54	.307	9.8622E+02	3.37	.210
1.4176E+03	7.92	.377	1.1312E+03	18.65	.408	9.8553E+02	3.39	.269
1.4104E+03	8.00	.150	1.1261E+03	12.16	.215	9.8413E+02	3.41	.187
1.4032E+03	12.19	.287	1.1210E+03	12.77	.129	9.8343E+02	4.12	.188
1.3961E+03	8.41	.235	1.1159E+03	16.49	.336	9.8274E+02	5.01	.207
1.3891E+03	8.68	.303	1.1101E+03	15.91	.332	9.8204E+02	5.31	.395
1.3821E+03	14.29	.237	1.1051E+03	12.77	.371	9.8065E+02	19.24	.207
1.3752E+03	14.49	.486	1.1001E+03	8.42	.265	9.7996E+02	20.32	.144
1.3683E+03	11.68	.332	1.0952E+03	12.67	.366	9.7927E+02	15.31	.197
1.3603E+03	6.36	.262	1.0903E+03	6.26	.257	9.7858E+02	13.69	.323
1.3536E+03	8.39	.179	1.0854E+03	10.62	.258	9.7720E+02	9.48	.191
1.3468E+03	12.03	.331	1.0806E+03	14.06	.206	9.7651E+02	7.77	.159
1.3402E+03	11.83	.282	1.0758E+03	12.02	.131	9.7582E+02	7.31	.185
1.3335E+03	8.53	.346	1.0710E+03	15.75	.328	9.7513E+02	8.62	.167
1.3270E+03	6.77	.329	1.0655E+03	13.01	.160	9.7444E+02	9.62	.173
1.3204E+03	5.71	.302	1.0608E+03	14.45	.115	9.7307E+02	8.29	.226
1.3140E+03	6.14	.386	1.0562E+03	9.07	.150	9.7239E+02	6.97	.323
1.3065E+03	6.25	.343	1.0515E+03	13.27	.379	9.7170E+02	6.64	.175
1.3001E+03	6.03	.337	1.0469E+03	12.64	.140	9.7102E+02	6.18	.205
1.2938E+03	10.76	.200	1.0423E+03	15.08	.138	9.6966E+02	6.13	.125
1.2875E+03	11.82	.427	1.0378E+03	16.50	.253	9.6897E+02	6.45	.149
1.2812E+03	14.41	.300	1.0333E+03	11.05	.191	9.6829E+02	6.44	.210
1.2751E+03	10.64	.328	1.0281E+03	21.35	.496	9.6762E+02	6.99	.221
1.2689E+03	9.06	.180	1.0236E+03	10.91	.305	9.6694E+02	7.90	.212
1.2628E+03	8.86	.241	1.0192E+03	9.63	.234	9.6558E+02	13.54	.145
1.2568E+03	6.35	.225	1.0148E+03	9.43	.212	9.6490E+02	12.35	.218
1.2497E+03	6.87	.227	1.0104E+03	9.44	.387	9.6423E+02	10.52	.239
1.2438E+03	15.52	.293	1.0061E+03	16.41	.319	9.6355E+02	9.57	.197
1.2379E+03	12.65	.356	1.0018E+03	18.93	.209	9.6220E+02	5.67	.175
1.2320E+03	14.72	.223	1.0011E+03	18.16	.186	9.6153E+02	5.52	.247
1.2262E+03	14.94	.331	9.9964E+02	11.45	.112	9.6086E+02	6.88	.293
1.2203E+03	11.65	.299	9.9893E+02	10.20	.127	9.6018E+02	8.04	.307
1.2146E+03	9.47	.131	9.9822E+02	9.41	.127	9.5951E+02	7.95	.396
1.2089E+03	12.16	.497	9.9751E+02	8.87	.160	9.5817E+02	6.51	.181
1.2023E+03	13.16	.496	9.9608E+02	8.17	.167	9.5750E+02	6.37	.170
1.1966E+03	9.65	.426	9.9538E+02	8.31	.202	9.5683E+02	5.46	.183
1.1911E+03	7.67	.169	9.9467E+02	7.90	.155	9.5617E+02	5.24	.333
1.1855E+03	7.15	.211	9.9396E+02	6.89	.148	9.5483E+02	5.33	.141
1.1800E+03	11.05	.260	9.9325E+02	6.86	.274	9.5417E+02	5.58	.160

E(EV)	S(B)	DS/S	E(EV)	S(B)	DS/S	E(EV)	S(B)	DS/S
9.5350E+02	6.41	.157	9.1735E+02	16.38	.111	8.8262E+02	6.25	.132
9.5284E+02	7.50	.127	9.1672E+02	15.18	.130	8.8203E+02	5.41	.165
9.5217E+02	7.98	.165	9.1547E+02	11.91	.124	8.8144E+02	5.46	.188
9.5085E+02	5.61	.160	9.1484E+02	10.70	.145	8.8085E+02	6.41	.171
9.5019E+02	5.40	.284	9.1422E+02	10.85	.135	8.8026E+02	6.92	.196
9.4953E+02	6.90	.325	9.1360E+02	11.34	.167	8.7908E+02	10.30	.263
9.4887E+02	8.16	.447	9.1235E+02	10.44	.155	8.7849E+02	13.77	.186
9.4755E+02	12.47	.243	9.1173E+02	10.65	.185	8.7790E+02	14.97	.120
9.4689E+02	17.81	.252	9.1111E+02	9.88	.138	8.7731E+02	14.45	.156
9.4623E+02	22.67	.215	9.1049E+02	8.48	.179	8.7614E+02	5.42	.154
9.4558E+02	22.13	.128	9.0925E+02	6.78	.151	8.7556E+02	3.75	.240
9.4492E+02	20.30	.135	9.0863E+02	6.65	.194	8.7497E+02	3.83	.263
9.4361E+02	11.57	.254	9.0801E+02	6.68	.287	8.7439E+02	5.31	.222
9.4296E+02	11.16	.279	9.0739E+02	6.60	.326	8.7381E+02	6.36	.257
9.4230E+02	11.82	.280	9.0678E+02	7.03	.305	8.7264E+02	6.25	.145
9.4165E+02	12.85	.512	9.0555E+02	7.33	.142	8.7206E+02	5.48	.170
9.4035E+02	28.82	.167	9.0493E+02	9.35	.197	8.7148E+02	5.67	.159
9.3970E+02	28.81	.138	9.0432E+02	12.67	.202	8.7090E+02	6.06	.200
9.3905E+02	23.82	.095	9.0370E+02	13.47	.239	8.6974E+02	9.33	.112
9.3840E+02	18.60	.088	9.0248E+02	10.86	.168	8.6916E+02	9.59	.123
9.3775E+02	16.14	.116	9.0187E+02	8.34	.236	8.6858E+02	9.17	.125
9.3646E+02	8.66	.133	9.0126E+02	6.33	.277	8.6801E+02	8.92	.118
9.3581E+02	8.36	.132	9.0065E+02	5.34	.329	8.6743E+02	9.13	.160
9.3516E+02	10.85	.115	9.0004E+02	4.94	.475	8.6628E+02	10.02	.119
9.3452E+02	12.51	.153	8.9882E+02	8.98	.196	8.6570E+02	10.62	.130
9.3323E+02	9.30	.131	8.9821E+02	10.28	.205	8.6513E+02	11.13	.124
9.3259E+02	7.98	.142	8.9760E+02	10.78	.190	8.6455E+02	11.08	.157
9.3194E+02	7.22	.164	8.9700E+02	11.17	.261	8.6341E+02	17.52	.144
9.3130E+02	6.17	.178	8.9578E+02	9.24	.109	8.6283E+02	21.98	.132
9.3066E+02	5.15	.325	8.9518E+02	6.50	.159	8.6226E+02	22.41	.127
9.2938E+02	4.67	.242	8.9458E+02	4.69	.270	8.6169E+02	16.59	.179
9.2874E+02	6.02	.183	8.9397E+02	5.57	.269	8.6112E+02	14.25	.312
9.2810E+02	6.06	.166	8.9337E+02	6.54	.362	8.5998E+02	16.49	.137
9.2746E+02	5.52	.216	8.9216E+02	8.08	.217	8.5941E+02	19.11	.117
9.2619E+02	5.48	.143	8.9156E+02	8.56	.271	8.5884E+02	20.94	.093
9.2555E+02	5.35	.171	8.9096E+02	9.03	.317	8.5828E+02	20.98	.118
9.2492E+02	5.32	.191	8.9036E+02	9.68	.236	8.5714E+02	18.38	.091
9.2428E+02	4.92	.167	8.8917E+02	11.82	.102	8.5658E+02	14.65	.117
9.2365E+02	5.01	.214	8.8857E+02	16.90	.125	8.5601E+02	11.02	.147
9.2238E+02	7.01	.234	8.8797E+02	22.27	.127	8.5544E+02	9.75	.199
9.2175E+02	8.96	.254	8.8737E+02	23.43	.100	8.5432E+02	6.67	.131
9.2112E+02	11.47	.151	8.8678E+02	22.57	.115	8.5375E+02	6.20	.191
9.2049E+02	13.05	.156	8.8558E+02	12.37	.109	8.5319E+02	6.00	.270
9.1923E+02	10.39	.160	8.8499E+02	7.61	.153	8.5263E+02	7.50	.254
9.1860E+02	12.31	.235	8.8440E+02	5.76	.178	8.5207E+02	8.67	.342
9.1797E+02	15.93	.208	8.8380E+02	6.31	.233	8.5094E+02	12.64	.131

E(EV)	S(B)	DS/S	E(EV)	S(B)	DS/S	E(EV)	S(B)	DS/S
8.5038E+02	14.91	.113	8.1989E+02	38.06	.106	7.9100E+02	22.98	.122
8.4983E+02	15.79	.134	8.1936E+02	37.57	.116	7.9000E+02	16.09	.154
8.4927E+02	14.76	.253	8.1830E+02	24.30	.157	7.8950E+02	16.94	.111
8.4815E+02	16.95	.109	8.1777E+02	25.41	.236	7.8900E+02	15.94	.128
8.4759E+02	19.59	.095	8.1724E+02	28.46	.246	7.8850E+02	16.31	.242
8.4704E+02	21.97	.100	8.1672E+02	30.93	.156	7.8750E+02	10.15	.244
8.4648E+02	21.66	.104	8.1619E+02	30.75	.192	7.8700E+02	10.76	.302
8.4592E+02	19.56	.135	8.1514E+02	24.13	.156	7.8650E+02	11.86	.250
8.4482E+02	15.28	.102	8.1462E+02	21.63	.107	7.8601E+02	12.26	.170
8.4426E+02	14.66	.168	8.1409E+02	19.45	.103	7.8551E+02	12.62	.185
8.4371E+02	16.59	.285	8.1357E+02	19.29	.135	7.8452E+02	8.26	.159
8.4316E+02	19.01	.532	8.1252E+02	24.57	.084	7.8402E+02	8.43	.178
8.4205E+02	23.86	.094	8.1200E+02	24.49	.093	7.8353E+02	10.99	.140
8.4150E+02	16.09	.104	8.1148E+02	23.25	.105	7.8303E+02	13.79	.173
8.4095E+02	11.05	.147	8.1095E+02	21.96	.102	7.8204E+02	24.55	.109
8.4040E+02	10.63	.176	8.1043E+02	20.67	.132	7.8155E+02	23.16	.125
8.3985E+02	10.89	.277	8.0939E+02	12.13	.139	7.8106E+02	16.97	.104
8.3875E+02	20.48	.094	8.0887E+02	15.26	.157	7.8056E+02	11.43	.107
8.3820E+02	22.13	.098	8.0835E+02	20.49	.141	7.8007E+02	9.68	.157
8.3766E+02	20.44	.105	8.0784E+02	22.05	.224	7.7909E+02	15.37	.107
8.3711E+02	18.65	.162	8.0680E+02	23.52	.095	7.7860E+02	20.91	.111
8.3602E+02	13.01	.129	8.0628E+02	21.59	.105	7.7811E+02	21.97	.106
8.3547E+02	11.80	.186	8.0577E+02	21.37	.098	7.7762E+02	20.41	.129
8.3493E+02	12.45	.201	8.0525E+02	22.45	.143	7.7664E+02	13.20	.109
8.3438E+02	13.81	.140	8.0422E+02	15.91	.097	7.7615E+02	11.82	.145
8.3384E+02	14.14	.171	8.0371E+02	13.81	.107	7.7567E+02	14.07	.149
8.3275E+02	9.59	.280	8.0319E+02	12.51	.128	7.7518E+02	16.88	.142
8.3221E+02	10.65	.271	8.0268E+02	12.14	.147	7.7469E+02	16.78	.275
8.3167E+02	13.71	.172	8.0217E+02	11.57	.205	7.7372E+02	11.47	.170
8.3113E+02	15.59	.268	8.0114E+02	12.46	.111	7.7323E+02	13.30	.126
8.3005E+02	13.53	.116	8.0063E+02	12.60	.123	7.7275E+02	17.49	.113
8.2951E+02	14.18	.116	8.0012E+02	11.81	.169	7.7226E+02	19.75	.143
8.2897E+02	14.17	.131	7.9961E+02	10.86	.376	7.7130E+02	20.57	.178
8.2843E+02	11.31	.124	7.9859E+02	12.30	.111	7.7081E+02	17.81	.119
8.2789E+02	9.46	.165	7.9808E+02	12.13	.115	7.7033E+02	14.89	.107
8.2682E+02	7.48	.135	7.9757E+02	10.98	.118	7.6985E+02	13.68	.104
8.2628E+02	7.66	.146	7.9706E+02	9.74	.122	7.6937E+02	13.27	.160
8.2575E+02	7.51	.136	7.9656E+02	9.24	.185	7.6840E+02	11.31	.151
8.2521E+02	7.59	.196	7.9554E+02	14.16	.179	7.6792E+02	12.16	.129
8.2414E+02	6.85	.215	7.9503E+02	13.77	.144	7.6744E+02	10.90	.132
8.2361E+02	7.95	.186	7.9453E+02	11.79	.119	7.6696E+02	9.96	.168
8.2308E+02	9.05	.219	7.9402E+02	11.52	.165	7.6601E+02	11.55	.112
8.2254E+02	8.85	.254	7.9301E+02	20.55	.243	7.6553E+02	11.15	.120
8.2201E+02	8.84	.314	7.9251E+02	24.80	.255	7.6505E+02	10.60	.123
8.2095E+02	29.83	.182	7.9201E+02	27.10	.194	7.6457E+02	10.67	.136
8.2042E+02	35.29	.201	7.9151E+02	25.47	.095	7.6410E+02	11.37	.242

E(EV)	S(B)	DS/S	E(EV)	S(B)	DS/S	E(EV)	S(B)	DS/S
7.6314E+02	20.01	.107	7.3718E+02	4.98	.224	7.1253E+02	19.09	.149
7.6267E+02	18.49	.160	7.3673E+02	4.24	.284	7.1167E+02	19.04	.103
7.6219E+02	21.39	.179	7.3628E+02	4.29	.320	7.1124E+02	21.94	.115
7.6172E+02	25.28	.179	7.3538E+02	11.51	.146	7.1081E+02	25.86	.109
7.6077E+02	29.47	.096	7.3493E+02	16.88	.110	7.1038E+02	25.58	.102
7.6030E+02	27.97	.132	7.3448E+02	18.72	.102	7.0996E+02	22.83	.117
7.5982E+02	26.40	.151	7.3403E+02	17.56	.138	7.0910E+02	8.81	.136
7.5935E+02	27.50	.130	7.3313E+02	9.57	.253	7.0868E+02	7.73	.207
7.5841E+02	19.90	.113	7.3269E+02	9.55	.253	7.0825E+02	7.85	.237
7.5794E+02	15.29	.164	7.3224E+02	8.42	.163	7.0783E+02	6.79	.237
7.5747E+02	14.11	.204	7.3179E+02	6.51	.146	7.0698E+02	5.54	.298
7.5700E+02	16.07	.142	7.3135E+02	5.69	.254	7.0655E+02	9.00	.221
7.5653E+02	16.26	.261	7.3045E+02	4.12	.248	7.0613E+02	12.55	.137
7.5559E+02	20.44	.230	7.3001E+02	4.14	.242	7.0571E+02	12.62	.149
7.5512E+02	21.53	.193	7.2956E+02	3.74	.214	7.0528E+02	11.46	.315
7.5465E+02	19.12	.107	7.2912E+02	4.10	.261	7.0444E+02	10.74	.258
7.5418E+02	17.56	.140	7.2823E+02	4.58	.277	7.0402E+02	11.43	.231
7.5325E+02	9.88	.110	7.2779E+02	4.31	.323	7.0360E+02	10.91	.141
7.5278E+02	9.43	.130	7.2735E+02	4.38	.196	7.0317E+02	10.00	.200
7.5232E+02	8.69	.135	7.2690E+02	4.69	.160	7.0233E+02	6.86	.175
7.5185E+02	7.75	.132	7.2646E+02	5.17	.251	7.0192E+02	7.79	.238
7.5139E+02	7.56	.199	7.2558E+02	7.39	.257	7.0149E+02	9.55	.240
7.5046E+02	5.45	.266	7.2514E+02	4.82	.260	7.0108E+02	10.43	.181
7.4999E+02	6.82	.192	7.2470E+02	3.28	.348	7.0066E+02	10.25	.247
7.4953E+02	8.40	.148	7.2426E+02	2.90	.502	6.9982E+02	17.75	.152
7.4907E+02	8.40	.191	7.2338E+02	4.51	.191	6.9940E+02	23.85	.155
7.4814E+02	6.97	.179	7.2294E+02	6.77	.157	6.9899E+02	26.85	.115
7.4768E+02	6.24	.229	7.2250E+02	7.50	.164	6.9857E+02	26.65	.123
7.4722E+02	5.85	.196	7.2206E+02	6.44	.167	6.9774E+02	14.32	.097
7.4676E+02	5.76	.163	7.2162E+02	6.14	.299	6.9732E+02	11.45	.134
7.4630E+02	6.04	.217	7.2075E+02	8.48	.173	6.9691E+02	12.21	.147
7.4538E+02	11.74	.147	7.2031E+02	9.98	.138	6.9649E+02	12.99	.108
7.4492E+02	11.96	.173	7.1988E+02	10.39	.128	6.9608E+02	12.10	.136
7.4446E+02	11.27	.152	7.1944E+02	10.55	.167	6.9525E+02	11.37	.141
7.4400E+02	11.17	.163	7.1857E+02	9.35	.146	6.9483E+02	9.73	.166
7.4309E+02	8.05	.186	7.1814E+02	8.16	.177	6.9442E+02	7.67	.158
7.4263E+02	7.15	.172	7.1770E+02	7.48	.138	6.9401E+02	7.44	.246
7.4218E+02	7.19	.149	7.1727E+02	7.63	.123	6.9319E+02	10.37	.151
7.4172E+02	8.12	.152	7.1684E+02	7.56	.173	6.9277E+02	9.11	.195
7.4126E+02	7.57	.250	7.1597E+02	5.10	.230	6.9236E+02	9.05	.161
7.4035E+02	5.65	.180	7.1554E+02	5.72	.245	6.9195E+02	10.08	.164
7.3990E+02	4.58	.190	7.1511E+02	6.04	.224	6.9154E+02	9.64	.305
7.3945E+02	4.77	.182	7.1467E+02	6.00	.336	6.9072E+02	16.71	.234
7.3899E+02	4.81	.246	7.1381E+02	8.93	.143	6.9031E+02	17.08	.265
7.3809E+02	5.43	.151	7.1338E+02	12.18	.175	6.8990E+02	15.42	.149
7.3763E+02	5.73	.165	7.1295E+02	16.33	.158	6.8949E+02	13.33	.224

E(EV)	S(B)	OS/S	E(EV)	S(B)	OS/S	E(EV)	S(B)	OS/S
6.8868E+02	11.03	.149	6.6640E+02	22.17	.167	6.4518E+02	13.20	.123
6.8827E+02	9.76	.132	6.6601E+02	26.91	.167	6.4481E+02	12.93	.164
6.8786E+02	8.96	.135	6.6562E+02	28.62	.149	6.4407E+02	18.34	.127
6.8746E+02	9.22	.142	6.6485E+02	19.88	.146	6.4370E+02	17.71	.157
6.8705E+02	8.80	.261	6.6446E+02	17.18	.200	6.4333E+02	17.16	.135
6.8624E+02	7.95	.182	6.6407E+02	14.97	.166	6.4297E+02	16.97	.109
6.8583E+02	8.34	.191	6.6369E+02	12.98	.147	6.4260E+02	16.71	.143
6.8543E+02	7.19	.273	6.6330E+02	11.86	.311	6.4186E+02	13.62	.131
6.8502E+02	6.34	.521	6.6253E+02	15.23	.266	6.4150E+02	13.50	.131
6.8421E+02	8.95	.195	6.6215E+02	24.20	.289	6.4113E+02	13.65	.168
6.8381E+02	11.84	.243	6.6176E+02	32.95	.241	6.4076E+02	14.31	.299
6.8341E+02	13.38	.349	6.6138E+02	35.57	.196	6.4003E+02	12.43	.108
6.8300E+02	15.59	.315	6.6061E+02	30.87	.080	6.3967E+02	13.32	.129
6.8260E+02	17.26	.289	6.6023E+02	29.59	.096	6.3930E+02	14.53	.149
6.8180E+02	21.13	.103	6.5985E+02	25.14	.129	6.3894E+02	13.53	.222
6.8139E+02	17.38	.151	6.5946E+02	20.91	.141	6.3821E+02	9.69	.145
6.8099E+02	13.06	.208	6.5908E+02	21.66	.151	6.3785E+02	8.36	.197
6.8059E+02	12.31	.240	6.5832E+02	15.01	.102	6.3748E+02	6.71	.262
6.7979E+02	9.21	.183	6.5794E+02	12.16	.134	6.3712E+02	5.90	.321
6.7939E+02	10.97	.151	6.5756E+02	10.24	.160	6.3676E+02	5.99	.500
6.7899E+02	12.84	.128	6.5718E+02	9.06	.222	6.3603E+02	6.69	.139
6.7859E+02	13.94	.118	6.5642E+02	15.51	.097	6.3567E+02	7.12	.145
6.7819E+02	14.54	.199	6.5604E+02	16.92	.110	6.3531E+02	7.41	.160
6.7740E+02	19.81	.113	6.5566E+02	16.37	.122	6.3495E+02	7.11	.272
6.7700E+02	18.82	.119	6.5528E+02	14.86	.121	6.3423E+02	8.88	.159
6.7660E+02	15.95	.129	6.5490E+02	13.82	.159	6.3387E+02	9.83	.137
6.7621E+02	14.10	.257	6.5415E+02	15.51	.158	6.3351E+02	10.62	.146
6.7541E+02	13.07	.159	6.5377E+02	17.47	.126	6.3315E+02	11.50	.122
6.7502E+02	12.88	.143	6.5339E+02	15.15	.118	6.3279E+02	11.76	.162
6.7462E+02	13.01	.175	6.5301E+02	14.33	.149	6.3207E+02	8.87	.174
6.7423E+02	13.60	.338	6.5226E+02	16.93	.107	6.3171E+02	8.30	.258
6.7344E+02	18.58	.107	6.5189E+02	28.96	.119	6.3135E+02	6.92	.355
6.7304E+02	20.76	.107	6.5151E+02	40.69	.191	6.3100E+02	6.38	.498
6.7265E+02	20.71	.150	6.5114E+02	43.02	.231	6.3028E+02	11.03	.147
6.7226E+02	18.64	.187	6.5076E+02	43.80	.213	6.2992E+02	11.09	.136
6.7186E+02	19.26	.187	6.5001E+02	35.23	.094	6.2957E+02	10.32	.142
6.7108E+02	11.51	.163	6.4964E+02	27.49	.106	6.2921E+02	9.31	.188
6.7069E+02	11.73	.152	6.4926E+02	19.38	.109	6.2886E+02	9.44	.403
6.7029E+02	13.01	.149	6.4889E+02	15.60	.139	6.2815E+02	13.85	.113
6.6990E+02	12.81	.180	6.4815E+02	7.12	.280	6.2779E+02	12.71	.148
6.6912E+02	13.62	.108	6.4778E+02	6.83	.323	6.2744E+02	9.72	.235
6.6873E+02	13.26	.116	6.4740E+02	7.17	.170	6.2708E+02	8.14	.474
6.6834E+02	11.79	.174	6.4703E+02	7.02	.192	6.2637E+02	10.28	.121
6.6795E+02	12.51	.194	6.4666E+02	6.48	.405	6.2602E+02	9.71	.136
6.6756E+02	14.49	.184	6.4592E+02	13.82	.169	6.2567E+02	8.23	.223
6.6678E+02	18.01	.114	6.4555E+02	14.68	.124	6.2531E+02	7.23	.290

E(EV)	S(B)	DS/S	E(EV)	S(B)	DS/S	E(EV)	S(B)	DS/S
6.2496E+02	7.54	.289	6.0534E+02	15.95	.195	5.8695E+02	16.58	.347
6.2426E+02	11.08	.278	6.0501E+02	16.09	.273	5.8663E+02	17.15	.241
6.2390E+02	13.65	.299	6.0467E+02	18.12	.223	5.8631E+02	16.92	.242
6.2355E+02	17.32	.208	6.0433E+02	19.71	.219	5.8567E+02	15.34	.113
6.2320E+02	19.80	.258	6.0367E+02	31.42	.128	5.8535E+02	15.78	.123
6.2250E+02	24.00	.165	6.0333E+02	29.75	.107	5.8503E+02	15.39	.231
6.2215E+02	19.82	.167	6.0300E+02	25.37	.110	5.8472E+02	15.06	.557
6.2180E+02	14.26	.178	6.0266E+02	22.42	.182	5.8408E+02	19.80	.244
6.2145E+02	9.64	.202	6.0199E+02	15.31	.181	5.8376E+02	20.47	.185
6.2110E+02	7.97	.389	6.0166E+02	16.66	.205	5.8344E+02	21.61	.157
6.2040E+02	13.68	.296	6.0133E+02	20.47	.208	5.8312E+02	20.23	.123
6.2005E+02	18.59	.294	6.0100E+02	22.80	.128	5.8281E+02	18.35	.256
6.1971E+02	21.72	.221	6.0067E+02	21.16	.258	5.8217E+02	17.25	.158
6.1936E+02	22.33	.194	6.0000E+02	15.22	.109	5.8185E+02	16.89	.134
6.1866E+02	16.86	.098	5.9967E+02	13.07	.152	5.8154E+02	14.82	.110
6.1832E+02	15.39	.135	5.9934E+02	11.65	.233	5.8122E+02	12.98	.148
6.1797E+02	13.94	.166	5.9901E+02	11.66	.406	5.8059E+02	10.35	.287
6.1762E+02	13.07	.135	5.9835E+02	18.45	.159	5.8028E+02	13.45	.293
6.1728E+02	12.30	.223	5.9802E+02	19.17	.132	5.7996E+02	15.58	.199
6.1658E+02	21.38	.296	5.9769E+02	18.69	.154	5.7964E+02	16.52	.296
6.1624E+02	26.04	.270	5.9736E+02	21.70	.124	5.7901E+02	17.42	.126
6.1590E+02	26.92	.143	5.9703E+02	24.09	.147	5.7870E+02	21.24	.144
6.1555E+02	26.24	.140	5.9637E+02	36.91	.144	5.7839E+02	26.51	.165
6.1486E+02	13.38	.123	5.9604E+02	37.59	.097	5.7807E+02	29.59	.139
6.1452E+02	12.14	.175	5.9571E+02	28.91	.089	5.7776E+02	30.07	.136
6.1417E+02	13.03	.174	5.9538E+02	26.29	.130	5.7713E+02	17.53	.107
6.1383E+02	15.20	.128	5.9473E+02	17.87	.115	5.7682E+02	12.96	.130
6.1349E+02	16.61	.213	5.9440E+02	15.22	.135	5.7651E+02	9.88	.139
6.1280E+02	23.12	.143	5.9408E+02	11.56	.158	5.7620E+02	8.19	.190
6.1246E+02	18.80	.108	5.9375E+02	8.62	.174	5.7557E+02	7.31	.187
6.1212E+02	14.99	.105	5.9342E+02	8.31	.235	5.7526E+02	7.39	.225
6.1178E+02	15.18	.156	5.9277E+02	7.85	.177	5.7495E+02	6.75	.277
6.1110E+02	13.29	.169	5.9245E+02	9.33	.202	5.7464E+02	6.97	.219
6.1075E+02	12.74	.201	5.9212E+02	12.97	.187	5.7433E+02	7.57	.285
6.1041E+02	13.50	.215	5.9180E+02	14.94	.289	5.7371E+02	17.18	.138
6.1007E+02	15.06	.181	5.9115E+02	25.31	.096	5.7340E+02	21.89	.105
6.0973E+02	15.26	.309	5.9082E+02	23.47	.102	5.7309E+02	22.62	.100
6.0906E+02	24.96	.165	5.9050E+02	20.17	.127	5.7278E+02	21.31	.146
6.0872E+02	26.63	.108	5.9018E+02	17.57	.160	5.7216E+02	12.66	.122
6.0838E+02	26.59	.087	5.8985E+02	15.92	.188	5.7185E+02	7.96	.191
6.0804E+02	25.35	.112	5.8921E+02	11.78	.121	5.7154E+02	5.77	.224
6.0736E+02	11.08	.109	5.8888E+02	13.25	.125	5.7124E+02	6.63	.148
6.0703E+02	10.71	.162	5.8856E+02	15.18	.139	5.7093E+02	6.88	.199
6.0669E+02	10.86	.259	5.8824E+02	14.80	.271	5.7031E+02	6.62	.175
6.0635E+02	10.59	.538	5.8760E+02	13.24	.219	5.7001E+02	5.87	.234
6.0568E+02	15.06	.155	5.8728E+02	14.36	.311	5.6970E+02	4.67	.323

E(EV)	S(B)	DS/S	E(EV)	S(8)	DS/S	E(EV)	S(8)	DS/S
5.6939E+02	4.33	.440	5.5231E+02	9.50	.137	5.3628E+02	12.20	.209
5.6878E+02	8.01	.257	5.5202E+02	8.02	.197	5.3600E+02	14.39	.270
5.6847E+02	9.51	.309	5.5173E+02	6.89	.238	5.3572E+02	15.32	.510
5.6817E+02	9.12	.359	5.5144E+02	6.89	.253	5.3516E+02	18.43	.253
5.6786E+02	8.74	.321	5.5085E+02	9.06	.118	5.3488E+02	18.43	.301
5.6756E+02	9.11	.315	5.5056E+02	10.11	.151	5.3460E+02	17.86	.291
5.6695E+02	19.28	.239	5.5027E+02	10.19	.223	5.3432E+02	18.61	.216
5.6664E+02	22.96	.246	5.4998E+02	10.99	.230	5.3404E+02	19.72	.247
5.6634E+02	22.90	.187	5.4969E+02	12.29	.203	5.3349E+02	18.85	.151
5.6604E+02	21.52	.179	5.4911E+02	13.12	.114	5.3321E+02	18.45	.173
5.6543E+02	15.39	.109	5.4882E+02	11.66	.139	5.3293E+02	19.15	.135
5.6513E+02	14.47	.129	5.4853E+02	10.45	.170	5.3265E+02	20.78	.153
5.6482E+02	13.68	.138	5.4824E+02	9.47	.331	5.3210E+02	21.74	.130
5.6452E+02	14.37	.140	5.4766E+02	12.41	.115	5.3182E+02	17.85	.138
5.6422E+02	15.41	.159	5.4737E+02	11.09	.191	5.3154E+02	12.46	.188
5.6361E+02	8.50	.172	5.4708E+02	9.60	.250	5.3127E+02	8.75	.144
5.6331E+02	7.79	.228	5.4679E+02	10.50	.135	5.3099E+02	7.40	.211
5.6301E+02	9.43	.202	5.4651E+02	10.84	.175	5.3044E+02	9.73	.131
5.6271E+02	10.32	.271	5.4593E+02	10.15	.120	5.3017E+02	10.42	.137
5.6211E+02	18.62	.114	5.4564E+02	9.91	.142	5.2989E+02	9.30	.137
5.6181E+02	15.71	.153	5.4535E+02	8.65	.154	5.2962E+02	7.82	.217
5.6151E+02	12.31	.193	5.4507E+02	7.50	.226	5.2906E+02	7.97	.129
5.6121E+02	11.25	.211	5.4449E+02	5.64	.145	5.2879E+02	8.27	.141
5.6091E+02	11.44	.237	5.4421E+02	6.78	.198	5.2852E+02	8.42	.240
5.6031E+02	12.31	.126	5.4392E+02	9.45	.187	5.2824E+02	8.71	.320
5.6001E+02	10.61	.151	5.4363E+02	11.74	.136	5.2797E+02	8.92	.436
5.5971E+02	8.42	.144	5.4335E+02	12.21	.200	5.2742E+02	8.72	.142
5.5941E+02	6.83	.203	5.4278E+02	13.39	.165	5.2715E+02	7.28	.156
5.5881E+02	5.16	.176	5.4249E+02	13.16	.258	5.2688E+02	6.82	.164
5.5852E+02	5.57	.174	5.4221E+02	12.27	.292	5.2660E+02	7.13	.219
5.5822E+02	6.70	.149	5.4192E+02	11.32	.354	5.2606E+02	8.75	.144
5.5792E+02	8.19	.134	5.4135E+02	15.02	.145	5.2579E+02	9.18	.199
5.5762E+02	8.73	.194	5.4107E+02	15.30	.148	5.2551E+02	10.12	.199
5.5703E+02	11.10	.160	5.4079E+02	15.70	.109	5.2524E+02	11.80	.213
5.5673E+02	10.42	.165	5.4050E+02	17.77	.095	5.2470E+02	15.29	.094
5.5644E+02	9.09	.172	5.4022E+02	19.39	.128	5.2443E+02	16.99	.112
5.5614E+02	9.11	.201	5.3965E+02	21.88	.095	5.2416E+02	19.26	.119
5.5555E+02	8.59	.142	5.3937E+02	14.89	.148	5.2389E+02	19.44	.100
5.5526E+02	9.34	.158	5.3909E+02	7.82	.297	5.2362E+02	18.53	.132
5.5496E+02	10.86	.137	5.3881E+02	6.40	.510	5.2308E+02	11.35	.224
5.5467E+02	12.59	.153	5.3824E+02	8.10	.132	5.2281E+02	11.35	.227
5.5437E+02	13.74	.300	5.3796E+02	7.49	.152	5.2254E+02	12.77	.220
5.5378E+02	19.81	.136	5.3768E+02	6.37	.161	5.2227E+02	13.65	.286
5.5349E+02	16.08	.175	5.3740E+02	6.15	.185	5.2173E+02	16.61	.263
5.5319E+02	11.59	.230	5.3712E+02	5.72	.297	5.2146E+02	19.73	.359
5.5290E+02	10.76	.236	5.3656E+02	9.92	.161	5.2119E+02	23.74	.306

E(EV)	S(B)	DS/S	E(EV)	S(B)	DS/S	E(EV)	S(B)	DS/S
5.2092E+02	26.72	.110	5.0623E+02	9.91	.200	4.9189E+02	23.45	.158
5.2066E+02	27.85	.131	5.0571E+02	7.89	.152	4.9165E+02	19.65	.119
5.2012E+02	28.94	.208	5.0545E+02	6.43	.211	4.9140E+02	17.58	.161
5.1985E+02	32.56	.247	5.0520E+02	7.17	.237	4.9116E+02	16.61	.341
5.1959E+02	36.33	.177	5.0494E+02	8.82	.264	4.9067E+02	19.34	.254
5.1932E+02	35.88	.270	5.0443E+02	10.34	.260	4.9042E+02	23.13	.241
5.1879E+02	28.15	.089	5.0418E+02	11.84	.244	4.9017E+02	25.08	.162
5.1852E+02	19.80	.109	5.0392E+02	12.84	.176	4.8993E+02	24.22	.151
5.1825E+02	14.95	.145	5.0367E+02	13.07	.309	4.8944E+02	23.72	.140
5.1799E+02	12.26	.152	5.0316E+02	21.50	.093	4.8920E+02	21.24	.108
5.1772E+02	10.66	.314	5.0290E+02	26.80	.096	4.8895E+02	15.87	.110
5.1719E+02	11.94	.115	5.0265E+02	29.89	.098	4.8871E+02	12.00	.116
5.1692E+02	12.50	.129	5.0239E+02	28.63	.101	4.8847E+02	11.54	.199
5.1666E+02	12.14	.137	5.0214E+02	27.35	.131	4.8798E+02	12.12	.183
5.1640E+02	11.51	.193	5.0163E+02	26.17	.089	4.8774E+02	14.36	.241
5.1587E+02	9.37	.137	5.0138E+02	25.81	.129	4.8749E+02	17.60	.248
5.1560E+02	8.96	.238	5.0112E+02	24.80	.179	4.8725E+02	18.59	.386
5.1534E+02	9.04	.280	5.0087E+02	25.57	.278	4.8677E+02	27.85	.138
5.1507E+02	9.81	.144	5.0037E+02	32.01	.090	4.8652E+02	31.19	.092
5.1481E+02	10.18	.182	5.0011E+02	28.94	.097	4.8628E+02	32.27	.083
5.1428E+02	11.58	.139	4.9986E+02	21.66	.115	4.8604E+02	33.14	.079
5.1402E+02	12.25	.164	4.9961E+02	15.51	.108	4.8580E+02	34.78	.110
5.1376E+02	12.94	.156	4.9936E+02	14.22	.172	4.8532E+02	25.57	.108
5.1350E+02	13.33	.213	4.9886E+02	10.24	.197	4.8507E+02	22.06	.116
5.1297E+02	24.23	.152	4.9860E+02	8.28	.333	4.8483E+02	21.12	.097
5.1271E+02	27.98	.157	4.9835E+02	8.53	.336	4.8459E+02	21.02	.141
5.1245E+02	36.25	.146	4.9810E+02	8.69	.266	4.8411E+02	18.81	.122
5.1219E+02	42.43	.112	4.9760E+02	13.30	.179	4.8387E+02	15.50	.195
5.1192E+02	43.52	.123	4.9735E+02	19.31	.335	4.8363E+02	15.74	.234
5.1140E+02	22.26	.095	4.9710E+02	26.81	.381	4.8339E+02	20.50	.179
5.1114E+02	16.34	.109	4.9685E+02	31.57	.308	4.8315E+02	24.20	.216
5.1088E+02	14.11	.114	4.9660E+02	32.83	.342	4.8267E+02	38.65	.101
5.1062E+02	13.67	.171	4.9610E+02	29.79	.095	4.8243E+02	40.48	.082
5.1010E+02	12.80	.113	4.9585E+02	21.77	.113	4.8220E+02	39.69	.082
5.0984E+02	13.27	.162	4.9560E+02	18.16	.127	4.8196E+02	37.38	.117
5.0958E+02	12.71	.197	4.9536E+02	18.80	.233	4.8148E+02	21.58	.141
5.0932E+02	11.91	.155	4.9486E+02	25.12	.206	4.8124E+02	17.81	.124
5.0906E+02	11.14	.195	4.9461E+02	28.37	.204	4.8100E+02	16.21	.108
5.0855E+02	8.62	.152	4.9436E+02	28.83	.176	4.8077E+02	15.24	.154
5.0829E+02	8.23	.186	4.9411E+02	27.75	.197	4.8029E+02	17.01	.215
5.0803E+02	8.42	.189	4.9387E+02	28.17	.227	4.8005E+02	14.90	.285
5.0777E+02	9.49	.226	4.9337E+02	29.69	.091	4.7982E+02	15.04	.178
5.0725E+02	10.66	.125	4.9312E+02	29.45	.123	4.7958E+02	17.15	.103
5.0700E+02	12.92	.131	4.9288E+02	29.51	.149	4.7934E+02	17.76	.136
5.0674E+02	13.30	.121	4.9263E+02	29.57	.195	4.7887E+02	22.99	.150
5.0648E+02	11.34	.123	4.9214E+02	28.81	.130	4.7863E+02	25.51	.158

E(EV)	S(8)	DS/S	E(EV)	S(8)	OS/S	E(EV)	S(8)	DS/S
4.7840E+02	25.88	.225	4.6545E+02	7.33	.341	4.5280E+02	31.42	.235
4.7816E+02	25.92	.379	4.6500E+02	7.65	.155	4.5259E+02	30.97	.222
4.7769E+02	27.49	.096	4.6477E+02	9.67	.208	4.5237E+02	31.90	.147
4.7745E+02	25.31	.141	4.6455E+02	11.23	.255	4.5215E+02	34.60	.132
4.7722E+02	24.34	.174	4.6432E+02	11.53	.251	4.5172E+02	37.36	.C74
4.7698E+02	23.17	.107	4.6409E+02	11.77	.322	4.5150E+02	30.31	.087
4.7675E+02	21.46	.181	4.6364E+02	14.88	.113	4.5129E+02	22.85	.C99
4.7628E+02	18.15	.104	4.6342E+02	15.79	.116	4.5107E+02	20.26	.C97
4.7605E+02	15.73	.160	4.6319E+02	14.92	.112	4.5085E+02	19.76	.128
4.7581E+02	14.57	.223	4.6297E+02	13.28	.147	4.5042E+02	22.54	.134
4.7558E+02	14.32	.341	4.6252E+02	10.97	.132	4.5021E+02	24.18	.140
4.7511E+02	13.47	.120	4.6230E+02	12.12	.160	4.4999E+02	23.05	.105
4.7488E+02	12.12	.161	4.6207E+02	14.63	.179	4.4978E+02	20.70	.129
4.7464E+02	12.59	.171	4.6185E+02	16.62	.201	4.4935E+02	12.30	.151
4.7441E+02	14.42	.119	4.6162E+02	17.40	.309	4.4913E+02	11.20	.186
4.7418E+02	14.66	.190	4.6118E+02	18.75	.222	4.4892E+02	9.43	.147
4.7371E+02	15.82	.111	4.6095E+02	21.44	.210	4.4870E+02	7.62	.131
4.7348E+02	16.97	.119	4.6073E+02	21.71	.182	4.4849E+02	7.31	.196
4.7325E+02	17.36	.111	4.6051E+02	21.42	.172	4.4806E+02	9.51	.129
4.7301E+02	17.31	.155	4.6006E+02	16.31	.111	4.4785E+02	9.43	.141
4.7255E+02	12.95	.105	4.5984E+02	15.02	.121	4.4763E+02	8.22	.135
4.7232E+02	12.27	.139	4.5962E+02	14.23	.115	4.4742E+02	7.06	.183
4.7209E+02	10.25	.219	4.5939E+02	12.77	.157	4.4699E+02	5.13	.158
4.7186E+02	7.18	.307	4.5895E+02	10.55	.128	4.4678E+02	6.23	.158
4.7163E+02	6.48	.397	4.5873E+02	9.82	.174	4.4657E+02	8.22	.135
4.7116E+02	10.06	.149	4.5851E+02	8.76	.227	4.4635E+02	10.32	.119
4.7093E+02	9.81	.200	4.5829E+02	8.87	.213	4.4614E+02	11.32	.171
4.7070E+02	9.63	.239	4.5807E+02	8.96	.224	4.4572E+02	14.23	.127
4.7047E+02	10.03	.317	4.5762E+02	7.54	.144	4.4550E+02	13.42	.137
4.7001E+02	13.91	.130	4.5740E+02	6.73	.171	4.4529E+02	11.59	.116
4.6978E+02	13.45	.147	4.5718E+02	6.72	.162	4.4508E+02	11.65	.164
4.6955E+02	13.02	.138	4.5696E+02	7.48	.258	4.4466E+02	8.05	.185
4.6932E+02	11.82	.146	4.5652E+02	5.62	.189	4.4445E+02	7.38	.258
4.6909E+02	11.66	.262	4.5630E+02	5.49	.237	4.4424E+02	7.40	.231
4.6864E+02	10.52	.194	4.5608E+02	5.96	.287	4.4402E+02	7.64	.189
4.6841E+02	9.49	.187	4.5586E+02	6.42	.344	4.4381E+02	7.91	.230
4.6818E+02	9.46	.125	4.5564E+02	6.88	.458	4.4339E+02	12.19	.119
4.6795E+02	10.34	.177	4.5520E+02	12.32	.269	4.4318E+02	14.24	.121
4.6750E+02	10.69	.176	4.5499E+02	15.19	.182	4.4297E+02	14.08	.136
4.6727E+02	9.01	.244	4.5477E+02	17.26	.110	4.4276E+02	13.58	.254
4.6704E+02	7.43	.216	4.5455E+02	16.78	.139	4.4234E+02	15.90	.105
4.6681E+02	7.31	.138	4.5411E+02	9.97	.139	4.4213E+02	14.46	.162
4.6658E+02	7.46	.196	4.5389E+02	11.88	.201	4.4192E+02	15.50	.258
4.6613E+02	6.61	.148	4.5367E+02	14.94	.240	4.4171E+02	18.35	.456
4.6590E+02	6.91	.193	4.5346E+02	17.10	.263	4.4129E+02	18.09	.155
4.6568E+02	7.19	.225	4.5324E+02	18.73	.429	4.4108E+02	18.99	.127

E(EV)	S(8)	DS/S	E(EV)	S(8)	DS/S	E(EV)	S(8)	DS/S
4.4088E+02	19.62	.121	4.2941E+02	21.44	.215	4.1820E+02	17.40	.100
4.4067E+02	17.17	.123	4.2921E+02	21.56	.226	4.1801E+02	21.16	.100
4.4046E+02	14.23	.190	4.2881E+02	18.29	.172	4.1781E+02	22.77	.100
4.4004E+02	12.70	.113	4.2861E+02	16.33	.184	4.1762E+02	23.85	.101
4.3983E+02	13.74	.131	4.2841E+02	14.89	.144	4.1743E+02	24.13	.130
4.3963E+02	14.18	.163	4.2821E+02	14.29	.164	4.1705E+02	22.14	.C94
4.3942E+02	13.17	.322	4.2781E+02	22.57	.090	4.1685E+02	18.97	.132
4.3900E+02	13.85	.108	4.2761E+02	22.19	.130	4.1666E+02	19.45	.192
4.3880E+02	12.97	.193	4.2741E+02	21.87	.153	4.1647E+02	21.83	.324
4.3859E+02	11.10	.328	4.2722E+02	22.40	.108	4.1609E+02	49.10	.171
4.3838E+02	9.72	.355	4.2702E+02	20.65	.138	4.1590E+02	64.42	.206
4.3817E+02	9.43	.432	4.2662E+02	15.71	.138	4.1570E+02	74.68	.211
4.3776E+02	16.77	.102	4.2642E+02	14.90	.120	4.1551E+02	72.39	.167
4.3756E+02	16.46	.120	4.2622E+02	13.54	.123	4.1532E+02	68.13	.177
4.3735E+02	15.74	.135	4.2602E+02	12.06	.167	4.1494E+02	44.25	.077
4.3714E+02	14.99	.186	4.2563E+02	8.39	.120	4.1475E+02	37.82	.082
4.3673E+02	12.33	.207	4.2543E+02	9.19	.134	4.1456E+02	33.09	.083
4.3652E+02	12.15	.255	4.2523E+02	8.73	.193	4.1437E+02	32.18	.115
4.3632E+02	11.71	.301	4.2503E+02	8.10	.433	4.1399E+02	31.10	.083
4.3611E+02	13.81	.187	4.2464E+02	11.32	.150	4.1380E+02	30.31	.084
4.3591E+02	16.61	.179	4.2444E+02	15.04	.124	4.1361E+02	31.44	.084
4.3550E+02	12.78	.118	4.2424E+02	19.09	.146	4.1342E+02	32.09	.083
4.3529E+02	10.68	.153	4.2405E+02	20.83	.221	4.1323E+02	31.85	.114
4.3509E+02	10.51	.157	4.2385E+02	20.95	.467	4.1285E+02	28.90	.085
4.3488E+02	10.67	.210	4.2346E+02	33.58	.148	4.1266E+02	26.98	.091
4.3448E+02	12.62	.119	4.2326E+02	31.45	.136	4.1247E+02	25.10	.C93
4.3427E+02	11.55	.224	4.2306E+02	25.73	.182	4.1228E+02	25.21	.138
4.3407E+02	10.00	.331	4.2287E+02	26.09	.157	4.1191E+02	24.98	.103
4.3386E+02	11.38	.231	4.2248E+02	20.76	.102	4.1172E+02	21.66	.125
4.3366E+02	12.71	.299	4.2228E+02	20.79	.108	4.1153E+02	20.09	.117
4.3325E+02	10.82	.168	4.2208E+02	19.10	.106	4.1134E+02	19.13	.108
4.3305E+02	8.99	.152	4.2189E+02	16.18	.131	4.1116E+02	18.50	.187
4.3284E+02	9.95	.148	4.2169E+02	14.59	.246	4.1078E+02	20.65	.110
4.3264E+02	12.47	.224	4.2130E+02	18.04	.122	4.1059E+02	21.04	.101
4.3224E+02	19.45	.205	4.2111E+02	18.61	.134	4.1040E+02	23.54	.C98
4.3203E+02	23.01	.209	4.2091E+02	16.60	.180	4.1022E+02	26.36	.131
4.3183E+02	25.41	.111	4.2072E+02	15.87	.297	4.0984E+02	27.62	.111
4.3163E+02	22.32	.109	4.2033E+02	10.24	.180	4.0966E+02	25.34	.145
4.3143E+02	20.25	.157	4.2014E+02	10.73	.207	4.0947E+02	24.35	.140
4.3102E+02	15.34	.137	4.1994E+02	11.47	.195	4.0928E+02	23.95	.121
4.3082E+02	13.69	.225	4.1975E+02	10.75	.178	4.0909E+02	24.05	.197
4.3062E+02	13.26	.257	4.1955E+02	10.16	.206	4.0872E+02	30.69	.114
4.3042E+02	14.44	.271	4.1917E+02	7.43	.217	4.0853E+02	32.56	.087
4.3002E+02	26.48	.143	4.1897E+02	8.49	.259	4.0835E+02	28.23	.083
4.2982E+02	26.80	.178	4.1878E+02	9.75	.240	4.0816E+02	24.58	.112
4.2961E+02	22.76	.275	4.1859E+02	10.30	.332	4.0779E+02	19.02	.119

E(EV)	S(B)	DS/S	E(EV)	S(B)	DS/S	E(EV)	S(B)	DS/S
4.0761E+02	18.97	.132	3.9741E+02	14.33	.110	3.8759E+02	28.07	.157
4.0742E+02	17.05	.127	3.9723E+02	13.44	.157	3.8725E+02	28.73	.085
4.0724E+02	15.60	.178	3.9687E+02	19.54	.163	3.8708E+02	27.86	.096
4.0686E+02	11.88	.125	3.9670E+02	21.43	.108	3.8690E+02	27.58	.103
4.0668E+02	9.85	.235	3.9652E+02	21.32	.097	3.8673E+02	27.50	.147
4.0650E+02	9.53	.312	3.9634E+02	21.09	.086	3.8639E+02	33.56	.081
4.0631E+02	11.86	.191	3.9616E+02	21.21	.117	3.8622E+02	34.61	.090
4.0612E+02	13.52	.201	3.9581E+02	22.12	.119	3.8605E+02	33.44	.093
4.0576E+02	11.34	.120	3.9563E+02	23.23	.115	3.8588E+02	30.33	.081
4.0557E+02	11.36	.121	3.9545E+02	24.28	.094	3.8571E+02	28.82	.104
4.0539E+02	11.51	.118	3.9527E+02	24.86	.119	3.8536E+02	17.33	.132
4.0520E+02	11.01	.160	3.9492E+02	20.17	.129	3.8519E+02	16.93	.206
4.0484E+02	9.75	.122	3.9474E+02	18.12	.192	3.8502E+02	18.86	.197
4.0465E+02	9.51	.149	3.9457E+02	21.39	.166	3.8485E+02	20.38	.171
4.0447E+02	7.97	.193	3.9439E+02	25.87	.137	3.8451E+02	14.45	.197
4.0429E+02	6.84	.230	3.9421E+02	26.77	.283	3.8434E+02	15.01	.193
4.0410E+02	6.55	.405	3.9386E+02	60.93	.146	3.8417E+02	15.88	.171
4.0374E+02	7.19	.171	3.9368E+02	78.89	.145	3.8400E+02	15.34	.206
4.0355E+02	7.72	.172	3.9351E+02	88.53	.126	3.8383E+02	15.71	.299
4.0337E+02	11.08	.135	3.9333E+02	89.67	.173	3.8350E+02	20.73	.262
4.0319E+02	13.55	.170	3.9298E+02	68.52	.072	3.8333E+02	23.33	.279
4.0282E+02	11.53	.179	3.9281E+02	63.73	.075	3.8316E+02	24.63	.291
4.0264E+02	13.58	.134	3.9263E+02	57.05	.074	3.8299E+02	25.95	.376
4.0246E+02	13.48	.176	3.9245E+02	52.43	.091	3.8265E+02	30.44	.189
4.0228E+02	10.62	.262	3.9210E+02	35.47	.089	3.8248E+02	27.29	.186
4.0209E+02	9.73	.475	3.9193E+02	31.70	.092	3.8231E+02	25.53	.102
4.0173E+02	11.74	.142	3.9175E+02	27.18	.099	3.8214E+02	26.40	.081
4.0155E+02	13.12	.145	3.9158E+02	22.20	.120	3.8198E+02	27.44	.107
4.0137E+02	15.44	.133	3.9141E+02	19.61	.241	3.8164E+02	29.65	.081
4.0119E+02	15.48	.178	3.9106E+02	20.69	.099	3.8147E+02	30.01	.086
4.0083E+02	18.64	.101	3.9088E+02	20.33	.149	3.8130E+02	29.19	.084
4.0065E+02	20.51	.111	3.9071E+02	19.33	.178	3.8114E+02	28.10	.113
4.0046E+02	22.30	.107	3.9053E+02	19.87	.153	3.8080E+02	12.63	.156
4.0028E+02	24.11	.096	3.9018E+02	19.99	.093	3.8063E+02	10.87	.223
4.0010E+02	24.83	.125	3.9001E+02	18.39	.106	3.8047E+02	13.68	.167
3.9974E+02	20.83	.172	3.8984E+02	15.40	.123	3.8030E+02	16.00	.105
3.9956E+02	17.61	.233	3.8966E+02	13.00	.121	3.8013E+02	15.72	.147
3.9938E+02	15.37	.205	3.8949E+02	12.72	.155	3.7980E+02	13.86	.114
3.9920E+02	15.28	.268	3.8915E+02	17.35	.119	3.7963E+02	14.44	.142
3.9884E+02	13.75	.129	3.8897E+02	17.51	.149	3.7946E+02	13.68	.158
3.9866E+02	15.98	.110	3.8880E+02	16.10	.143	3.7930E+02	12.63	.181
3.9848E+02	18.10	.103	3.8863E+02	14.97	.153	3.7896E+02	12.28	.103
3.9830E+02	17.55	.093	3.8828E+02	19.81	.199	3.7880E+02	11.67	.126
3.9812E+02	16.64	.128	3.8811E+02	23.25	.256	3.7863E+02	11.15	.139
3.9777E+02	16.99	.119	3.8794E+02	26.32	.224	3.7847E+02	11.31	.184
3.9759E+02	16.08	.133	3.8776E+02	27.96	.122	3.7813E+02	20.82	.083

E(EV)	S(B)	DS/S	E(EV)	S(B)	DS/S	E(EV)	S(B)	DS/S
3.7797E+02	22.01	.095	3.6886E+02	8.51	.378	3.6007E+02	14.97	.251
3.7780E+02	19.93	.107	3.6870E+02	8.58	.244	3.5976E+02	13.21	.109
3.7764E+02	18.54	.101	3.6854E+02	8.43	.336	3.5961E+02	13.82	.111
3.7747E+02	19.41	.137	3.6822E+02	10.65	.184	3.5946E+02	14.50	.110
3.7714E+02	21.09	.094	3.6806E+02	13.33	.181	3.5930E+02	13.71	.113
3.7698E+02	17.75	.120	3.6790E+02	15.00	.126	3.5915E+02	13.23	.171
3.7681E+02	17.41	.137	3.6774E+02	14.04	.203	3.5884E+02	12.13	.199
3.7665E+02	19.44	.162	3.6742E+02	13.27	.229	3.5869E+02	12.91	.241
3.7632E+02	20.71	.085	3.6726E+02	13.64	.284	3.5854E+02	13.50	.169
3.7615E+02	22.41	.096	3.6711E+02	13.56	.292	3.5839E+02	13.17	.176
3.7599E+02	25.22	.096	3.6695E+02	13.61	.247	3.5808E+02	9.60	.115
3.7582E+02	27.61	.088	3.6679E+02	13.44	.343	3.5793E+02	10.23	.154
3.7566E+02	26.95	.114	3.6647E+02	17.14	.118	3.5777E+02	10.22	.177
3.7533E+02	21.78	.088	3.6632E+02	17.91	.102	3.5762E+02	9.42	.132
3.7517E+02	20.12	.104	3.6616E+02	19.96	.098	3.5747E+02	8.79	.206
3.7500E+02	16.25	.163	3.6600E+02	21.46	.144	3.5716E+02	8.65	.357
3.7484E+02	12.68	.408	3.6568E+02	22.44	.204	3.5701E+02	9.88	.339
3.7451E+02	18.79	.091	3.6553E+02	25.20	.173	3.5686E+02	10.82	.235
3.7435E+02	20.45	.096	3.6537E+02	25.10	.124	3.5671E+02	11.67	.341
3.7418E+02	21.19	.098	3.6521E+02	22.53	.255	3.5640E+02	19.80	.193
3.7402E+02	21.63	.094	3.6490E+02	29.23	.125	3.5625E+02	21.79	.231
3.7386E+02	20.66	.126	3.6474E+02	33.27	.107	3.5610E+02	24.10	.188
3.7353E+02	13.87	.236	3.6458E+02	33.98	.097	3.5595E+02	25.70	.114
3.7337E+02	10.95	.339	3.6442E+02	31.49	.083	3.5580E+02	26.42	.136
3.7321E+02	11.56	.188	3.6427E+02	29.87	.113	3.5550E+02	27.06	.103
3.7305E+02	13.82	.187	3.6395E+02	22.90	.120	3.5534E+02	22.34	.127
3.7272E+02	21.50	.084	3.6380E+02	21.26	.152	3.5519E+02	17.87	.103
3.7256E+02	19.57	.095	3.6364E+02	19.94	.121	3.5504E+02	16.72	.142
3.7240E+02	15.76	.107	3.6349E+02	21.06	.156	3.5474E+02	8.70	.113
3.7224E+02	12.43	.120	3.6317E+02	15.14	.110	3.5459E+02	8.24	.130
3.7207E+02	11.35	.212	3.6302E+02	12.33	.115	3.5444E+02	9.14	.127
3.7175E+02	9.32	.212	3.6286E+02	10.36	.145	3.5429E+02	10.60	.114
3.7159E+02	11.21	.165	3.6271E+02	12.50	.151	3.5414E+02	11.40	.160
3.7143E+02	12.98	.119	3.6255E+02	15.76	.193	3.5384E+02	11.72	.118
3.7126E+02	12.71	.154	3.6224E+02	13.02	.205	3.5369E+02	13.28	.121
3.7094E+02	12.26	.099	3.6208E+02	13.02	.240	3.5354E+02	13.94	.156
3.7078E+02	12.16	.113	3.6193E+02	16.51	.145	3.5339E+02	12.96	.329
3.7062E+02	12.17	.121	3.6177E+02	19.54	.182	3.5309E+02	9.11	.295
3.7046E+02	11.90	.111	3.6146E+02	21.38	.167	3.5294E+02	11.56	.209
3.7030E+02	11.78	.160	3.6131E+02	23.52	.136	3.5279E+02	14.04	.179
3.6998E+02	10.32	.198	3.6115E+02	26.26	.110	3.5264E+02	14.73	.181
3.6982E+02	9.93	.240	3.6100E+02	27.60	.118	3.5234E+02	11.53	.118
3.6966E+02	11.27	.152	3.6084E+02	28.55	.135	3.5219E+02	12.01	.113
3.6950E+02	12.32	.184	3.6054E+02	27.08	.086	3.5205E+02	13.46	.110
3.6918E+02	8.18	.215	3.6038E+02	23.19	.097	3.5190E+02	14.23	.110
3.6902E+02	8.09	.360	3.6023E+02	17.89	.122	3.5175E+02	13.89	.176

E(EV)	S(8)	OS/S	E(EV)	S(8)	OS/S	E(EV)	S(8)	DS/S
3.5145E+02	8.93	.152	3.4328E+02	12.30	.129	3.3539E+02	7.81	.136
3.5130E+02	9.14	.144	3.4314E+02	11.69	.117	3.3525E+02	8.29	.221
3.5115E+02	8.60	.137	3.4299E+02	11.10	.162	3.3497E+02	7.53	.207
3.5100E+02	8.32	.212	3.4270E+02	9.35	.184	3.3483E+02	6.80	.279
3.5071E+02	7.33	.153	3.4256E+02	10.05	.171	3.3470E+02	7.33	.189
3.5056E+02	6.47	.178	3.4242E+02	9.55	.142	3.3456E+02	8.07	.223
3.5041E+02	6.10	.189	3.4228E+02	8.75	.122	3.3428E+02	8.47	.142
3.5026E+02	6.11	.216	3.4213E+02	8.73	.176	3.3415E+02	8.16	.160
3.5012E+02	5.98	.298	3.4185E+02	9.40	.178	3.3401E+02	7.44	.154
3.4982E+02	6.48	.208	3.4171E+02	7.96	.171	3.3387E+02	7.56	.144
3.4967E+02	8.70	.193	3.4156E+02	8.34	.173	3.3373E+02	8.17	.198
3.4953E+02	11.16	.151	3.4142E+02	8.30	.191	3.3346E+02	10.40	.134
3.4938E+02	11.56	.261	3.4114E+02	10.70	.138	3.3332E+02	11.63	.151
3.4909E+02	13.03	.182	3.4100E+02	9.39	.139	3.3318E+02	11.00	.139
3.4894E+02	14.05	.181	3.4085E+02	9.01	.152	3.3305E+02	10.01	.174
3.4879E+02	14.58	.133	3.4071E+02	8.44	.264	3.3277E+02	8.09	.138
3.4865E+02	14.84	.129	3.4043E+02	6.13	.229	3.3264E+02	7.56	.154
3.4850E+02	14.71	.247	3.4029E+02	6.69	.339	3.3250E+02	6.67	.165
3.4820E+02	13.55	.189	3.4015E+02	8.21	.304	3.3236E+02	5.95	.176
3.4806E+02	12.41	.188	3.4000E+02	9.12	.138	3.3223E+02	5.37	.325
3.4791E+02	10.72	.134	3.3986E+02	8.94	.185	3.3195E+02	4.56	.290
3.4777E+02	10.16	.199	3.3958E+02	4.58	.186	3.3182E+02	5.48	.190
3.4747E+02	7.54	.153	3.3944E+02	4.43	.217	3.3168E+02	6.18	.210
3.4733E+02	6.59	.258	3.3930E+02	4.47	.205	3.3154E+02	6.12	.388
3.4718E+02	7.29	.325	3.3916E+02	4.11	.282	3.3127E+02	7.21	.197
3.4704E+02	8.86	.246	3.3888E+02	8.66	.225	3.3114E+02	8.78	.240
3.4689E+02	9.43	.245	3.3874E+02	10.49	.239	3.3100E+02	9.99	.222
3.4660E+02	12.45	.118	3.3859E+02	12.70	.251	3.3086E+02	10.17	.126
3.4645E+02	14.31	.186	3.3845E+02	17.91	.325	3.3073E+02	10.56	.173
3.4631E+02	17.90	.192	3.3831E+02	21.80	.578	3.3046E+02	15.75	.215
3.4616E+02	21.14	.186	3.3803E+02	26.38	.148	3.3032E+02	18.60	.273
3.4587E+02	19.64	.114	3.3789E+02	23.27	.134	3.3019E+02	22.44	.244
3.4573E+02	19.71	.110	3.3775E+02	20.73	.100	3.3005E+02	24.89	.230
3.4558E+02	20.21	.096	3.3761E+02	19.04	.128	3.2978E+02	60.00	.116
3.4544E+02	21.14	.087	3.3733E+02	14.43	.110	3.2965E+02	64.96	.098
3.4529E+02	22.30	.118	3.3719E+02	11.77	.172	3.2951E+02	57.48	.128
3.4500E+02	10.56	.185	3.3706E+02	9.02	.253	3.2938E+02	54.32	.196
3.4486E+02	10.28	.140	3.3692E+02	8.94	.221	3.2911E+02	34.17	.075
3.4472E+02	11.46	.151	3.3678E+02	9.39	.237	3.2897E+02	30.24	.084
3.4457E+02	11.62	.284	3.3650E+02	8.21	.229	3.2884E+02	27.77	.093
3.4428E+02	7.84	.247	3.3636E+02	8.68	.199	3.2870E+02	25.19	.090
3.4414E+02	7.01	.210	3.3622E+02	9.34	.206	3.2857E+02	24.17	.121
3.4400E+02	6.96	.176	3.3608E+02	9.69	.276	3.2830E+02	20.51	.158
3.4385E+02	7.78	.134	3.3580E+02	10.62	.115	3.2817E+02	22.65	.131
3.4371E+02	9.16	.196	3.3566E+02	9.75	.147	3.2803E+02	25.28	.159
3.4342E+02	11.55	.121	3.3553E+02	8.16	.167	3.2790E+02	26.67	.330

E(EV)	S(B)	DS/S	E(EV)	S(B)	DS/S	E(EV)	S(B)	DS/S
3.2763E+02	37.26	.079	3.2027E+02	16.90	.099	3.1316E+02	20.26	.155
3.2750E+02	39.48	.085	3.2014E+02	13.12	.110	3.1303E+02	22.39	.310
3.2736E+02	40.57	.100	3.2001E+02	11.45	.107	3.1278E+02	15.95	.098
3.2723E+02	38.12	.115	3.1989E+02	11.56	.155	3.1266E+02	13.27	.107
3.2710E+02	34.42	.124	3.1963E+02	14.06	.127	3.1253E+02	13.59	.117
3.2683E+02	25.83	.091	3.1950E+02	13.79	.168	3.1241E+02	13.08	.117
3.2670E+02	26.19	.105	3.1937E+02	14.04	.182	3.1229E+02	11.96	.160
3.2657E+02	26.76	.099	3.1924E+02	14.63	.271	3.1204E+02	11.95	.105
3.2643E+02	28.31	.127	3.1898E+02	16.65	.092	3.1191E+02	11.65	.115
3.2617E+02	29.03	.087	3.1886E+02	18.10	.099	3.1179E+02	10.32	.170
3.2603E+02	30.54	.114	3.1873E+02	18.12	.135	3.1167E+02	9.38	.391
3.2590E+02	33.28	.120	3.1860E+02	17.10	.281	3.1142E+02	12.00	.115
3.2577E+02	35.60	.092	3.1834E+02	17.95	.149	3.1129E+02	12.02	.116
3.2564E+02	36.00	.136	3.1822E+02	18.98	.163	3.1117E+02	11.38	.129
3.2537E+02	25.34	.140	3.1809E+02	21.87	.130	3.1105E+02	10.88	.180
3.2524E+02	22.59	.183	3.1796E+02	24.00	.093	3.1092E+02	10.98	.339
3.2511E+02	22.45	.196	3.1783E+02	24.35	.120	3.1067E+02	15.93	.140
3.2498E+02	23.79	.268	3.1758E+02	24.99	.086	3.1055E+02	14.34	.153
3.2471E+02	20.82	.089	3.1745E+02	24.38	.089	3.1043E+02	15.74	.131
3.2458E+02	19.42	.096	3.1732E+02	22.85	.089	3.1031E+02	17.54	.163
3.2445E+02	21.89	.116	3.1719E+02	21.93	.128	3.1006E+02	16.77	.114
3.2432E+02	24.35	.124	3.1694E+02	18.67	.165	3.0994E+02	18.69	.124
3.2418E+02	24.72	.141	3.1681E+02	19.05	.183	3.0981E+02	21.62	.104
3.2392E+02	30.13	.186	3.1668E+02	23.55	.120	3.0969E+02	22.87	.084
3.2379E+02	31.49	.242	3.1656E+02	27.45	.143	3.0957E+02	22.56	.116
3.2366E+02	32.90	.217	3.1643E+02	26.96	.244	3.0932E+02	27.41	.085
3.2353E+02	35.44	.285	3.1618E+02	26.59	.192	3.0920E+02	30.45	.082
3.2326E+02	42.29	.121	3.1605E+02	32.83	.132	3.0908E+02	31.56	.080
3.2313E+02	38.46	.129	3.1592E+02	37.47	.087	3.0895E+02	30.34	.104
3.2300E+02	32.39	.125	3.1580E+02	37.84	.134	3.0871E+02	27.84	.080
3.2287E+02	27.86	.090	3.1555E+02	32.91	.075	3.0859E+02	26.63	.087
3.2274E+02	26.15	.115	3.1542E+02	26.90	.086	3.0847E+02	24.44	.086
3.2248E+02	20.41	.096	3.1529E+02	23.17	.105	3.0834E+02	23.60	.118
3.2235E+02	19.69	.163	3.1517E+02	22.55	.113	3.0810E+02	21.30	.082
3.2222E+02	20.88	.188	3.1504E+02	22.38	.134	3.0798E+02	19.55	.092
3.2209E+02	22.53	.162	3.1479E+02	23.57	.086	3.0785E+02	18.45	.098
3.2183E+02	21.96	.093	3.1466E+02	23.84	.107	3.0773E+02	18.56	.091
3.2170E+02	21.42	.108	3.1454E+02	22.13	.144	3.0761E+02	19.22	.125
3.2157E+02	20.90	.147	3.1441E+02	20.92	.246	3.0737E+02	23.64	.089
3.2144E+02	20.21	.178	3.1416E+02	29.36	.096	3.0725E+02	24.36	.116
3.2131E+02	21.21	.195	3.1403E+02	28.01	.089	3.0713E+02	24.29	.138
3.2105E+02	23.25	.117	3.1391E+02	23.96	.090	3.0700E+02	24.63	.174
3.2092E+02	22.70	.142	3.1378E+02	22.56	.082	3.0676E+02	24.94	.088
3.2079E+02	21.07	.118	3.1366E+02	23.38	.115	3.0664E+02	20.61	.105
3.2066E+02	19.76	.138	3.1341E+02	20.07	.088	3.0652E+02	16.30	.137
3.2040E+02	19.75	.087	3.1328E+02	18.81	.102	3.0640E+02	12.37	.192

E(EV)	S(B)	DS/S	E(EV)	S(8)	DS/S	E(EV)	S(8)	DS/S
3.0628E+02	10.79	.344	2.9764E+02	19.75	.126	2.6750E+02	14.24	.207
3.0604E+02	13.49	.132	2.9694E+02	18.14	.215	2.6684E+02	22.88	.331
3.0592E+02	14.49	.110	2.9625E+02	17.33	.177	2.6629E+02	43.01	.254
3.0580E+02	12.36	.112	2.9555E+02	14.57	.190	2.6574E+02	43.40	.129
3.0568E+02	11.15	.147	2.9486E+02	12.57	.352	2.6508E+02	37.36	.238
3.0543E+02	10.93	.126	2.9416E+02	11.47	.380	2.6453E+02	29.26	.297
3.0531E+02	10.40	.144	2.9347E+02	10.70	.139	2.6387E+02	29.98	.268
3.0519E+02	10.89	.113	2.9278E+02	11.55	.261	2.6333E+02	32.82	.160
3.0507E+02	11.60	.104	2.9208E+02	15.55	.205	2.6278E+02	25.23	.146
3.0495E+02	11.66	.142	2.9139E+02	17.49	.211	2.6212E+02	19.16	.242
3.0471E+02	14.68	.104	2.9070E+02	13.79	.298	2.6158E+02	16.66	.195
3.0459E+02	14.31	.129	2.9001E+02	11.45	.191	2.6092E+02	18.32	.242
3.0448E+02	12.83	.146	2.8933E+02	17.49	.158	2.6038E+02	22.77	.256
3.0435E+02	12.09	.189	2.8864E+02	17.28	.185	2.5983E+02	21.77	.287
3.0412E+02	15.75	.123	2.8807E+02	13.95	.216	2.5929E+02	15.48	.339
3.0400E+02	19.01	.120	2.8738E+02	23.82	.317	2.5864E+02	17.63	.299
3.0388E+02	20.86	.102	2.8669E+02	26.53	.123	2.5810E+02	27.34	.214
3.0376E+02	21.66	.104	2.8601E+02	39.78	.265	2.5756E+02	29.28	.170
3.0364E+02	22.81	.173	2.8533E+02	54.86	.190	2.5691E+02	22.41	.124
3.0340E+02	25.73	.114	2.8464E+02	66.93	.213	2.5637E+02	22.33	.139
3.0328E+02	28.90	.107	2.8407E+02	45.20	.149	2.5583E+02	24.19	.099
3.0316E+02	32.32	.083	2.8339E+02	36.43	.193	2.5529E+02	22.74	.134
3.0304E+02	32.24	.112	2.8271E+02	38.18	.238	2.5475E+02	17.77	.107
3.0281E+02	27.83	.150	2.8203E+02	26.62	.165	2.5411E+02	15.25	.164
3.0269E+02	34.76	.121	2.8124E+02	22.40	.120	2.5357E+02	13.56	.252
3.0257E+02	38.77	.109	2.8056E+02	22.64	.159	2.5303E+02	10.93	.309
3.0245E+02	36.37	.134	2.8000E+02	21.49	.165	2.5249E+02	8.23	.487
3.0233E+02	35.96	.183	2.7932E+02	18.57	.261	2.5196E+02	7.11	.471
3.0209E+02	38.50	.153	2.7864E+02	18.10	.224	2.5143E+02	13.15	.157
3.0198E+02	39.49	.116	2.7808E+02	15.53	.190	2.5078E+02	20.22	.186
3.0186E+02	39.68	.097	2.7741E+02	12.23	.171	2.5025E+02	20.53	.252
3.0174E+02	38.84	.103	2.7673E+02	10.96	.224	2.4972E+02	16.39	.199
3.0150E+02	35.56	.075	2.7617E+02	10.76	.213	2.4918E+02	15.72	.250
3.0139E+02	30.27	.086	2.7550E+02	15.93	.289	2.4865E+02	14.06	.223
3.0127E+02	24.92	.085	2.7483E+02	29.54	.258	2.4812E+02	11.45	.205
3.0115E+02	22.36	.079	2.7427E+02	20.08	.151	2.4759E+02	10.92	.223
3.0103E+02	21.64	.108	2.7360E+02	19.50	.131	2.4706E+02	10.21	.275
3.0080E+02	38.19	.082	2.7304E+02	23.29	.160	2.4653E+02	14.42	.148
3.0068E+02	47.86	.102	2.7238E+02	24.81	.129	2.4600E+02	16.71	.151
3.0056E+02	51.42	.110	2.7171E+02	20.22	.165	2.4547E+02	14.33	.240
3.0044E+02	53.23	.120	2.7115E+02	32.07	.311	2.4494E+02	15.40	.251
3.0021E+02	57.49	.071	2.7049E+02	38.28	.196	2.4442E+02	13.50	.166
3.0009E+02	57.75	.101	2.6993E+02	23.72	.125	2.4389E+02	14.02	.136
2.9986E+02	37.49	.206	2.6927E+02	22.31	.229	2.4336E+02	12.38	.269
2.9916E+02	24.98	.177	2.6872E+02	17.88	.132	2.4284E+02	16.74	.277
2.9834E+02	23.21	.141	2.6805E+02	17.89	.226	2.4231E+02	26.94	.168

E(EV)	S(B)	DS/S	E(EV)	S(B)	DS/S	E(EV)	S(B)	DS/S
2.4179E+02	25.93	.150	2.1936E+02	13.33	.210	2.0012E+02	23.02	.142
2.4126E+02	25.46	.260	2.1896E+02	13.29	.220	1.9974E+02	22.01	.190
2.4074E+02	29.08	.205	2.1846E+02	13.42	.252	1.9926E+02	21.86	.141
2.4022E+02	34.78	.179	2.1806E+02	12.16	.248	1.9888E+02	25.35	.164
2.3969E+02	39.95	.183	2.1767E+02	12.49	.240	1.9850E+02	28.85	.159
2.3917E+02	40.71	.122	2.1717E+02	11.88	.196	1.9812E+02	30.76	.165
2.3865E+02	32.83	.114	2.1677E+02	11.52	.220	1.9784E+02	32.18	.181
2.3823E+02	28.82	.176	2.1628E+02	14.38	.213	1.9746E+02	31.21	.228
2.3771E+02	28.31	.200	2.1588E+02	26.90	.551	1.9708E+02	31.20	.130
2.3719E+02	23.93	.229	2.1538E+02	49.06	.236	1.9670E+02	37.19	.175
2.3668E+02	27.83	.263	2.1499E+02	58.47	.134	1.9632E+02	29.82	.218
2.3616E+02	45.78	.216	2.1459E+02	52.88	.162	1.9594E+02	26.56	.153
2.3564E+02	33.78	.241	2.1410E+02	45.25	.198	1.9547E+02	25.46	.183
2.3512E+02	22.63	.275	2.1370E+02	38.42	.232	1.9509E+02	23.31	.267
2.3460E+02	24.18	.233	2.1331E+02	31.00	.303	1.9472E+02	17.57	.306
2.3409E+02	28.20	.188	2.1282E+02	26.90	.292	1.9434E+02	17.15	.280
2.3357E+02	33.80	.177	2.1242E+02	25.52	.132	1.9396E+02	13.77	.242
2.3306E+02	26.54	.096	2.1193E+02	21.70	.245	1.9368E+02	18.82	.291
2.3265E+02	22.51	.133	2.1154E+02	21.43	.218	1.9331E+02	28.72	.182
2.3213E+02	19.57	.160	2.1115E+02	16.52	.198	1.9293E+02	26.33	.152
2.3162E+02	19.61	.243	2.1076E+02	17.12	.188	1.9256E+02	24.03	.231
2.3110E+02	23.97	.188	2.1027E+02	13.89	.147	1.9209E+02	22.21	.160
2.3069E+02	18.25	.160	2.0987E+02	13.84	.169	1.9172E+02	21.42	.182
2.3018E+02	15.58	.161	2.0948E+02	14.41	.226	1.9144E+02	17.61	.158
2.2967E+02	14.32	.235	2.0900E+02	12.95	.280	1.9106E+02	17.68	.150
2.2926E+02	12.09	.256	2.0861E+02	14.57	.248	1.9069E+02	18.13	.257
2.2875E+02	10.16	.336	2.0822E+02	13.92	.201	1.9032E+02	15.77	.220
2.2824E+02	9.05	.248	2.0783E+02	19.16	.226	1.8994E+02	14.22	.218
2.2784E+02	9.01	.342	2.0734E+02	24.42	.160	1.8967E+02	12.71	.221
2.2733E+02	10.26	.236	2.0695E+02	26.60	.173	1.8920E+02	10.82	.194
2.2682E+02	8.23	.244	2.0656E+02	25.56	.204	1.8883E+02	9.74	.281
2.2641E+02	8.26	.345	2.0618E+02	27.69	.143	1.8846E+02	9.02	.347
2.2590E+02	9.15	.133	2.0569E+02	32.29	.185	1.8818E+02	9.22	.408
2.2540E+02	10.09	.124	2.0531E+02	40.08	.226	1.8781E+02	11.66	.185
2.2499E+02	10.21	.140	2.0492E+02	53.98	.207	1.8744E+02	16.62	.168
2.2449E+02	9.76	.243	2.0453E+02	66.39	.170	1.8716E+02	21.29	.208
2.2408E+02	11.07	.143	2.0415E+02	60.63	.146	1.8670E+02	20.72	.142
2.2358E+02	21.75	.152	2.0376E+02	50.13	.191	1.8634E+02	16.91	.189
2.2307E+02	32.41	.136	2.0328E+02	47.46	.225	1.8606E+02	15.51	.212
2.2257E+02	43.92	.180	2.0290E+02	41.12	.198	1.8569E+02	14.19	.163
2.2207E+02	34.09	.250	2.0251E+02	32.57	.156	1.8532E+02	12.59	.259
2.2167E+02	28.24	.208	2.0213E+02	25.97	.159	1.8505E+02	9.99	.307
2.2116E+02	23.48	.235	2.0165E+02	24.92	.139	1.8468E+02	10.52	.219
2.2076E+02	18.89	.258	2.0127E+02	24.04	.123	1.8422E+02	11.29	.181
2.2026E+02	14.85	.200	2.0088E+02	25.73	.139	1.8395E+02	8.51	.215
2.1986E+02	13.92	.131	2.0050E+02	25.35	.146	1.8358E+02	10.59	.213

E(EV)	S(B)	OS/S	E(EV)	S(B)	OS/S	E(EV)	S(8)	DS/S
1.8331E+02	16.10	.117	1.6846E+02	31.92	.197	1.5532E+02	19.75	.160
1.8294E+02	25.48	.238	1.6819E+02	36.18	.157	1.5515E+02	19.19	.121
1.8258E+02	29.98	.139	1.6784E+02	39.04	.176	1.5482E+02	18.71	.130
1.8221E+02	30.73	.149	1.6749E+02	38.04	.161	1.5457E+02	24.11	.205
1.8185E+02	30.41	.173	1.6723E+02	36.69	.111	1.5431E+02	36.53	.149
1.8158E+02	28.70	.197	1.6697E+02	38.99	.115	1.5406E+02	39.11	.093
1.8121E+02	24.88	.230	1.6671E+02	46.74	.138	1.5373E+02	35.61	.111
1.8094E+02	24.91	.269	1.6636E+02	52.21	.086	1.5348E+02	33.91	.076
1.8058E+02	24.61	.116	1.6601E+02	52.14	.113	1.5331E+02	32.76	.130
1.8022E+02	23.79	.134	1.6575E+02	52.84	.157	1.5298E+02	28.23	.143
1.7985E+02	23.19	.199	1.6549E+02	53.79	.118	1.5273E+02	26.58	.133
1.7958E+02	22.44	.189	1.6515E+02	51.77	.191	1.5248E+02	24.44	.156
1.7922E+02	24.38	.182	1.6489E+02	51.73	.142	1.5223E+02	25.60	.179
1.7895E+02	28.73	.133	1.6462E+02	46.66	.176	1.5189E+02	22.96	.189
1.7859E+02	28.44	.182	1.6436E+02	41.82	.182	1.5173E+02	24.22	.157
1.7823E+02	27.00	.189	1.6402E+02	35.40	.218	1.5148E+02	23.52	.156
1.7787E+02	26.83	.206	1.6367E+02	29.53	.233	1.5115E+02	25.79	.246
1.7760E+02	25.82	.239	1.6341E+02	26.58	.248	1.5090E+02	28.27	.196
1.7724E+02	27.58	.163	1.6316E+02	26.63	.167	1.5065E+02	34.54	.211
1.7697E+02	30.52	.171	1.6281E+02	24.96	.226	1.5040E+02	46.63	.223
1.7661E+02	30.26	.160	1.6255E+02	22.19	.183	1.5015E+02	60.11	.159
1.7625E+02	34.50	.117	1.6230E+02	17.48	.309	1.4990E+02	71.82	.128
1.7598E+02	39.80	.224	1.6204E+02	15.11	.284	1.4965E+02	78.77	.171
1.7562E+02	45.48	.149	1.6169E+02	12.60	.155	1.4941E+02	82.13	.124
1.7536E+02	38.92	.152	1.6144E+02	11.01	.213	1.4916E+02	79.01	.116
1.7500E+02	34.70	.168	1.6118E+02	11.80	.155	1.4891E+02	78.24	.071
1.7464E+02	32.06	.113	1.6092E+02	13.52	.176	1.4858E+02	63.02	.159
1.7438E+02	29.52	.121	1.6058E+02	16.96	.226	1.4842E+02	55.66	.133
1.7402E+02	30.07	.085	1.6032E+02	16.88	.152	1.4817E+02	48.81	.135
1.7375E+02	29.18	.107	1.6007E+02	16.56	.159	1.4784E+02	43.59	.160
1.7340E+02	27.56	.122	1.5973E+02	18.76	.170	1.4768E+02	42.86	.152
1.7304E+02	26.13	.089	1.5947E+02	21.66	.177	1.4743E+02	43.51	.115
1.7277E+02	23.85	.152	1.5922E+02	24.27	.158	1.4711E+02	44.58	.088
1.7251E+02	20.42	.232	1.5896E+02	33.41	.150	1.4694E+02	39.86	.088
1.7215E+02	18.08	.243	1.5862E+02	39.84	.094	1.4670E+02	41.42	.106
1.7180E+02	16.50	.260	1.5836E+02	40.57	.074	1.4637E+02	43.08	.107
1.7154E+02	15.33	.258	1.5811E+02	37.85	.122	1.4621E+02	41.18	.107
1.7118E+02	12.66	.272	1.5786E+02	40.46	.140	1.4596E+02	43.96	.075
1.7092E+02	10.26	.291	1.5752E+02	41.60	.142	1.4564E+02	40.53	.099
1.7065E+02	8.95	.329	1.5726E+02	39.39	.133	1.4547E+02	41.65	.103
1.7021E+02	7.90	.260	1.5701E+02	38.69	.170	1.4523E+02	41.80	.088
1.6995E+02	7.40	.247	1.5676E+02	39.02	.134	1.4490E+02	42.70	.102
1.6969E+02	9.71	.312	1.5642E+02	30.66	.155	1.4474E+02	42.83	.120
1.6942E+02	12.89	.261	1.5616E+02	27.05	.144	1.4450E+02	42.94	.129
1.6907E+02	20.49	.243	1.5591E+02	25.50	.201	1.4418E+02	42.97	.149
1.6872E+02	25.74	.116	1.5557E+02	22.02	.202	1.4401E+02	41.19	.161

E(EV)	S(B)	DS/S	E(EV)	S(B)	DS/S	E(EV)	S(B)	DS/S
1.4377E+02	34.41	.178	1.3344E+02	28.18	.091	1.2410E+02	49.20	.325
1.4353E+02	28.98	.147	1.3313E+02	26.48	.105	1.2387E+02	75.09	.252
1.4328E+02	26.11	.164	1.3297E+02	25.39	.098	1.2372E+02	82.74	.120
1.4304E+02	21.36	.107	1.3282E+02	25.20	.111	1.2357E+02	83.32	.075
1.4280E+02	19.96	.110	1.3251E+02	27.07	.102	1.2335E+02	82.84	.088
1.4256E+02	20.18	.112	1.3235E+02	28.24	.091	1.2320E+02	74.47	.086
1.4232E+02	24.59	.167	1.3212E+02	31.27	.085	1.2297E+02	61.95	.103
1.4207E+02	37.17	.214	1.3189E+02	35.31	.098	1.2282E+02	57.56	.082
1.4191E+02	53.92	.228	1.3173E+02	35.19	.094	1.2260E+02	58.91	.081
1.4159E+02	69.10	.133	1.3150E+02	37.19	.083	1.2245E+02	64.72	.087
1.4135E+02	73.75	.078	1.3127E+02	33.26	.092	1.2222E+02	70.64	.089
1.4119E+02	71.12	.096	1.3103E+02	31.72	.101	1.2200E+02	80.11	.080
1.4087E+02	70.83	.126	1.3088E+02	30.18	.190	1.2185E+02	86.16	.086
1.4071E+02	63.99	.136	1.3073E+02	26.04	.198	1.2163E+02	83.15	.084
1.4047E+02	55.96	.123	1.3042E+02	24.30	.175	1.2148E+02	75.11	.101
1.4023E+02	53.34	.118	1.3026E+02	24.75	.117	1.2126E+02	73.11	.092
1.3999E+02	52.08	.091	1.3003E+02	26.13	.110	1.2111E+02	56.67	.144
1.3983E+02	51.96	.109	1.2988E+02	29.22	.097	1.2089E+02	49.82	.149
1.3951E+02	50.96	.117	1.2965E+02	29.17	.095	1.2074E+02	44.82	.143
1.3935E+02	49.59	.116	1.2942E+02	30.84	.116	1.2059E+02	36.95	.129
1.3911E+02	50.05	.127	1.2926E+02	31.77	.139	1.2037E+02	33.49	.123
1.3887E+02	52.67	.081	1.2903E+02	31.16	.167	1.2022E+02	32.39	.110
1.3864E+02	48.92	.098	1.2880E+02	29.98	.213	1.2000E+02	29.38	.095
1.3840E+02	51.76	.093	1.2865E+02	29.90	.217	1.1985E+02	29.44	.115
1.3816E+02	58.08	.124	1.2842E+02	29.83	.132	1.1963E+02	21.31	.119
1.3800E+02	65.32	.108	1.2827E+02	31.80	.086	1.1948E+02	19.28	.137
1.3776E+02	67.01	.084	1.2796E+02	32.15	.087	1.1926E+02	18.15	.151
1.3753E+02	67.05	.117	1.2781E+02	34.19	.107	1.1911E+02	16.96	.138
1.3737E+02	63.66	.072	1.2766E+02	34.15	.132	1.1889E+02	17.47	.100
1.3705E+02	53.32	.125	1.2743E+02	37.92	.099	1.1874E+02	18.24	.105
1.3689E+02	45.78	.214	1.2728E+02	34.93	.105	1.1860E+02	19.15	.109
1.3666E+02	33.27	.106	1.2705E+02	35.12	.096	1.1837E+02	20.87	.095
1.3642E+02	30.71	.086	1.2682E+02	34.24	.091	1.1823E+02	22.29	.087
1.3626E+02	33.77	.099	1.2659E+02	31.81	.089	1.1801E+02	24.73	.085
1.3595E+02	38.80	.136	1.2644E+02	30.15	.101	1.1786E+02	27.56	.084
1.3579E+02	43.63	.087	1.2629E+02	30.35	.103	1.1764E+02	32.73	.083
1.3556E+02	47.13	.082	1.2606E+02	29.26	.091	1.1750E+02	36.30	.083
1.3532E+02	44.84	.093	1.2591E+02	29.48	.089	1.1728E+02	43.10	.061
1.3516E+02	40.72	.145	1.2561E+02	29.05	.090	1.1720E+02	44.14	.070
1.3493E+02	42.24	.087	1.2545E+02	29.04	.091	1.1698E+02	48.67	.082
1.3469E+02	35.49	.087	1.2523E+02	28.51	.088	1.1684E+02	53.20	.080
1.3446E+02	34.13	.103	1.2508E+02	26.88	.130	1.1662E+02	55.19	.077
1.3422E+02	32.67	.121	1.2493E+02	24.21	.127	1.1647E+02	59.68	.075
1.3407E+02	29.62	.093	1.2470E+02	22.43	.093	1.1633E+02	65.14	.090
1.6872E+02	25.74	.116	1.5557E+02	22.02	.202	1.4401E+02	41.19	.161

E(EV)	S(B)	OS/S	E(EV)	S(B)	OS/S	E(EV)	S(B)	OS/S
1.1575E+02	142.12	.102	1.0824E+02	36.67	.098	1.0147E+02	28.31	.076
1.1560E+02	168.92	.081	1.0811E+02	37.61	.095	1.0127E+02	32.96	.089
1.1538E+02	168.77	.060	1.0797E+02	34.65	.089	1.0113E+02	35.31	.087
1.1531E+02	167.87	.065	1.0775E+02	33.11	.124	1.0100E+02	38.57	.081
1.1509E+02	158.84	.096	1.0761E+02	28.35	.253	1.0086E+02	41.95	.084
1.1495E+02	144.77	.131	1.0747E+02	26.92	.091	1.0072E+02	43.37	.086
1.1473E+02	119.01	.165	1.0733E+02	18.69	.208	1.0059E+02	51.25	.108
1.1459E+02	96.23	.133	1.0712E+02	16.94	.076	1.0045E+02	68.77	.186
1.1437E+02	84.24	.129	1.0705E+02	15.98	.108	1.0032E+02	89.53	.263
1.1423E+02	73.40	.126	1.0684E+02	16.19	.104	1.0018E+02	108.42	.244
1.1401E+02	56.60	.090	1.0671E+02	13.75	.097	9.9981E+01	129.21	.C81
1.1394E+02	54.14	.122	1.0657E+02	13.76	.095	9.9913E+01	130.78	.073
1.1372E+02	50.96	.092	1.0643E+02	18.40	.233	9.9711E+01	123.69	.078
1.1358E+02	37.83	.114	1.0622E+02	44.68	.155	9.9643E+01	121.68	.104
1.1336E+02	34.41	.100	1.0615E+02	50.58	.177	9.9441E+01	108.12	.073
1.1322E+02	32.98	.097	1.0594E+02	90.79	.177	9.9374E+01	100.13	.C94
1.1307E+02	34.07	.097	1.0580E+02	100.29	.128	9.9172E+01	70.46	.C86
1.1293E+02	34.75	.093	1.0566E+02	96.63	.079	9.9105E+01	68.23	.103
1.1272E+02	33.73	.094	1.0552E+02	89.95	.074	9.8903E+01	58.54	.158
1.1257E+02	36.40	.096	1.0532E+02	84.19	.130	9.8769E+01	56.72	.094
1.1243E+02	36.56	.090	1.0518E+02	73.87	.208	9.8635E+01	41.48	.118
1.1221E+02	46.37	.136	1.0504E+02	58.61	.175	9.8501E+01	34.64	.C74
1.1207E+02	54.67	.152	1.0490E+02	46.91	.106	9.8434E+01	32.50	.094
1.1193E+02	60.87	.123	1.0476E+02	39.17	.087	9.8233E+01	24.92	.109
1.1179E+02	65.68	.084	1.0455E+02	30.75	.067	9.8166E+01	24.09	.152
1.1157E+02	68.02	.078	1.0449E+02	29.68	.085	9.7965E+01	18.67	.C98
1.1143E+02	70.49	.081	1.0428E+02	26.10	.199	9.7899E+01	18.71	.083
1.1122E+02	72.16	.064	1.0414E+02	22.15	.209	9.7698E+01	15.98	.C90
1.1114E+02	71.55	.073	1.0400E+02	20.55	.122	9.7565E+01	19.02	.202
1.1093E+02	69.06	.091	1.0386E+02	20.60	.112	9.7432E+01	27.65	.304
1.1079E+02	63.07	.087	1.0373E+02	19.13	.136	9.7298E+01	28.17	.095
1.1058E+02	59.92	.063	1.0359E+02	16.89	.157	9.7165E+01	36.05	.092
1.1051E+02	58.18	.068	1.0338E+02	14.79	.071	9.7032E+01	33.33	.064
1.1029E+02	52.72	.088	1.0332E+02	14.74	.077	9.6966E+01	32.73	.C70
1.1015E+02	48.28	.090	1.0311E+02	13.01	.067	9.6766E+01	25.41	.064
1.0994E+02	45.12	.063	1.0304E+02	12.93	.075	9.6700E+01	24.56	.C71
1.0987E+02	44.78	.071	1.0284E+02	13.64	.102	9.6501E+01	19.95	.089
1.0966E+02	44.42	.092	1.0270E+02	14.73	.095	9.6368E+01	14.67	.074
1.0951E+02	47.06	.090	1.0256E+02	15.74	.100	9.6302E+01	14.07	.C93
1.0930E+02	47.24	.067	1.0243E+02	15.97	.109	9.6103E+01	12.52	.080
1.0923E+02	47.58	.077	1.0229E+02	16.08	.098	9.6037E+01	12.11	.103
1.0902E+02	44.14	.090	1.0208E+02	16.18	.064	9.5839E+01	9.70	.079
1.0888E+02	38.65	.083	1.0202E+02	16.20	.075	9.5773E+01	9.41	.094
1.0867E+02	36.48	.064	1.0181E+02	20.85	.079	9.5640E+01	8.21	.133
1.0860E+02	36.63	.074	1.0174E+02	21.64	.110	9.5508E+01	8.14	.135
1.0839E+02	34.87	.095	1.0154E+02	27.33	.067	9.5376E+01	7.71	.130

E(EV)	S(B)	DS/S	E(EV)	S(B)	DS/S	E(EV)	S(B)	DS/S
9.5245E+01	8.20	.120	8.9598E+01	37.51	.099	8.4434E+01	79.02	.066
9.5113E+01	9.22	.133	8.9470E+01	36.26	.086	8.4372E+01	77.86	.068
9.4981E+01	9.54	.129	8.9343E+01	37.12	.090	8.4248E+01	66.34	.087
9.4850E+01	11.24	.103	8.9215E+01	36.19	.062	8.4062E+01	55.47	.066
9.4718E+01	13.42	.097	8.9151E+01	36.12	.066	8.4000E+01	54.45	.073
9.4587E+01	16.06	.150	8.9024E+01	37.81	.090	8.3876E+01	47.36	.066
9.4456E+01	23.54	.259	8.8896E+01	39.90	.090	8.3814E+01	46.80	.070
9.4324E+01	30.99	.216	8.8769E+01	40.79	.081	8.3691E+01	42.07	.089
9.4193E+01	34.61	.146	8.8642E+01	40.90	.060	8.3567E+01	43.85	.063
9.4062E+01	45.55	.094	8.8578E+01	40.67	.063	8.3506E+01	44.05	.067
9.3997E+01	47.76	.128	8.8451E+01	37.41	.082	8.3382E+01	47.03	.090
9.3800E+01	68.34	.101	8.8261E+01	35.45	.063	8.3259E+01	54.86	.075
9.3735E+01	70.95	.131	8.8198E+01	35.36	.073	8.3197E+01	55.74	.080
9.3604E+01	91.45	.176	8.8071E+01	29.53	.065	8.3074E+01	58.48	.096
9.3474E+01	109.75	.117	8.8007E+01	29.54	.071	8.2951E+01	61.56	.083
9.3343E+01	125.89	.159	8.7881E+01	26.02	.085	8.2828E+01	59.46	.085
9.3213E+01	141.37	.141	8.7691E+01	27.74	.062	8.2705E+01	56.78	.065
9.3083E+01	155.99	.136	8.7628E+01	28.36	.068	8.2644E+01	55.58	.073
9.2952E+01	173.36	.075	8.7501E+01	31.17	.062	8.2521E+01	51.22	.097
9.2887E+01	174.12	.089	8.7438E+01	31.33	.067	8.2399E+01	44.42	.064
9.2692E+01	179.28	.115	8.7312E+01	34.32	.082	8.2337E+01	43.55	.068
9.2562E+01	177.19	.062	8.7186E+01	37.62	.091	8.2215E+01	36.50	.065
9.2497E+01	176.03	.071	8.7060E+01	40.70	.089	8.2154E+01	35.89	.071
9.2302E+01	179.23	.063	8.6934E+01	45.20	.067	8.2031E+01	36.43	.102
9.2238E+01	176.96	.075	8.6871E+01	45.87	.081	8.1909E+01	31.01	.065
9.2108E+01	151.72	.121	8.6745E+01	65.64	.320	8.1848E+01	30.48	.068
9.1979E+01	131.46	.149	8.6619E+01	51.14	.137	8.1726E+01	27.95	.087
9.1849E+01	114.06	.127	8.6494E+01	47.99	.079	8.1604E+01	26.39	.062
9.1720E+01	89.89	.062	8.6368E+01	48.81	.063	8.1543E+01	26.35	.069
9.1655E+01	88.16	.066	8.6305E+01	48.56	.068	8.1421E+01	23.92	.097
9.1461E+01	75.63	.060	8.6180E+01	47.21	.094	8.1299E+01	24.68	.066
9.1397E+01	74.55	.064	8.6055E+01	47.26	.066	8.1238E+01	24.74	.074
9.1267E+01	69.05	.076	8.5992E+01	47.51	.075	8.1116E+01	23.01	.101
9.1139E+01	65.60	.082	8.5867E+01	52.63	.148	8.0995E+01	22.75	.129
9.1010E+01	65.80	.079	8.5742E+01	51.22	.097	8.0873E+01	20.57	.096
9.0881E+01	60.43	.064	8.5617E+01	68.90	.097	8.0752E+01	20.50	.063
9.0817E+01	60.06	.071	8.5492E+01	85.99	.059	8.0691E+01	20.87	.070
9.0624E+01	60.94	.061	8.5429E+01	88.30	.063	8.0570E+01	19.17	.070
9.0559E+01	60.83	.067	8.5305E+01	96.96	.078	8.0509E+01	19.00	.080
9.0431E+01	61.59	.075	8.5180E+01	104.05	.061	8.0388E+01	18.34	.102
9.0302E+01	61.44	.081	8.5118E+01	104.81	.068	8.0267E+01	16.61	.066
9.0174E+01	62.14	.075	8.4931E+01	108.12	.060	8.0207E+01	16.50	.072
9.0046E+01	51.79	.066	8.4869E+01	107.78	.066	8.0086E+01	16.48	.090
8.9982E+01	50.46	.080	8.4744E+01	105.62	.087	7.9965E+01	16.46	.068
8.9790E+01	43.94	.087	8.4620E+01	94.84	.069	7.9905E+01	16.42	.077
8.9726E+01	44.36	.079	8.4558E+01	94.32	.072	7.9784E+01	15.98	.068

E(EV)	S(8)	DS/S	E(EV)	S(8)	DS/S	E(EV)	S(8)	DS/S
7.9724E+01	15.80	.071	7.5383E+01	8.26	.085	7.1334E+01	21.98	.141
7.9603E+01	15.38	.103	7.5266E+01	9.23	.102	7.1220E+01	18.09	.096
7.9483E+01	16.01	.075	7.5148E+01	11.33	.064	7.1163E+01	17.73	.163
7.9422E+01	16.13	.078	7.5090E+01	11.83	.063	7.1050E+01	13.87	.066
7.9302E+01	15.01	.123	7.5031E+01	12.20	.077	7.0993E+01	13.35	.079
7.9182E+01	13.53	.083	7.4914E+01	12.84	.067	7.0936E+01	13.25	.121
7.9122E+01	13.32	.099	7.4856E+01	12.71	.076	7.0822E+01	13.12	.101
7.9002E+01	13.42	.100	7.4739E+01	13.54	.068	7.0708E+01	13.24	.063
7.8882E+01	10.62	.076	7.4681E+01	13.64	.072	7.0652E+01	13.08	.073
7.8822E+01	10.10	.076	7.4506E+01	13.65	.101	7.0595E+01	12.99	.107
7.8762E+01	9.71	.110	7.4389E+01	18.78	.143	7.0481E+01	13.41	.069
7.8642E+01	8.47	.075	7.4331E+01	23.33	.221	7.0425E+01	13.26	.097
7.8582E+01	8.18	.086	7.4273E+01	25.07	.393	7.0311E+01	13.39	.065
7.8463E+01	8.68	.119	7.4157E+01	101.56	.263	7.0255E+01	13.57	.069
7.8343E+01	7.40	.079	7.4098E+01	108.82	.457	7.0198E+01	13.68	.094
7.8283E+01	7.36	.091	7.3982E+01	177.19	.355	7.0085E+01	15.16	.094
7.8164E+01	7.87	.092	7.3866E+01	231.46	.066	6.9972E+01	17.28	.080
7.8104E+01	8.12	.088	7.3808E+01	242.57	.059	6.9859E+01	19.84	.096
7.7985E+01	6.23	.256	7.3750E+01	247.00	.070	6.9746E+01	24.88	.060
7.7865E+01	6.28	.114	7.3634E+01	250.58	.059	6.9690E+01	25.89	.064
7.7806E+01	6.17	.131	7.3576E+01	246.05	.070	6.9633E+01	26.02	.086
7.7687E+01	5.34	.220	7.3460E+01	230.89	.082	6.9521E+01	35.07	.065
7.7568E+01	5.07	.115	7.3345E+01	217.94	.062	6.9465E+01	36.01	.087
7.7508E+01	5.01	.131	7.3287E+01	216.67	.081	6.9352E+01	45.79	.058
7.7390E+01	4.96	.255	7.3171E+01	189.06	.057	6.9296E+01	49.04	.061
7.7271E+01	4.90	.114	7.3113E+01	183.87	.061	6.9240E+01	50.05	.076
7.7211E+01	4.90	.152	7.3056E+01	182.37	.078	6.9127E+01	55.56	.090
7.7093E+01	4.78	.102	7.2940E+01	167.61	.100	6.9015E+01	66.51	.058
7.7033E+01	5.11	.079	7.2825E+01	140.31	.068	6.8959E+01	69.26	.063
7.6974E+01	5.27	.096	7.2767E+01	133.77	.072	6.8903E+01	69.95	.082
7.6856E+01	4.88	.161	7.2710E+01	132.12	.101	6.8791E+01	71.99	.064
7.6737E+01	4.99	.115	7.2595E+01	121.80	.067	6.8735E+01	71.64	.082
7.6678E+01	5.05	.163	7.2537E+01	122.96	.088	6.8679E+01	71.42	.131
7.6560E+01	5.12	.127	7.2422E+01	98.01	.105	6.8567E+01	73.59	.091
7.6501E+01	5.07	.119	7.2307E+01	92.69	.067	6.8455E+01	58.44	.132
7.6383E+01	5.22	.200	7.2250E+01	88.59	.074	6.8343E+01	53.01	.178
7.6265E+01	5.81	.093	7.2193E+01	86.17	.115	6.8232E+01	48.45	.103
7.6206E+01	5.99	.095	7.2078E+01	70.24	.084	6.8120E+01	55.10	.100
7.6088E+01	5.15	.115	7.2021E+01	69.25	.127	6.8009E+01	33.57	.079
7.5970E+01	5.70	.073	7.1906E+01	73.35	.090	6.7953E+01	32.38	.091
7.5911E+01	5.73	.066	7.1791E+01	43.91	.076	6.7898E+01	32.26	.147
7.5853E+01	5.76	.079	7.1734E+01	40.26	.104	6.7786E+01	29.54	.087
7.5735E+01	6.73	.078	7.1677E+01	39.25	.181	6.7731E+01	28.04	.100
7.5676E+01	6.95	.091	7.1563E+01	33.52	.112	6.7675E+01	27.58	.164
7.5559E+01	8.74	.120	7.1506E+01	31.71	.209	6.7564E+01	24.06	.226
7.5441E+01	8.21	.073	7.1391E+01	22.56	.089	6.7453E+01	26.30	.169

E(EV)	S(B)	DS/S	E(EV)	S(B)	DS/S	E(EV)	S(B)	DS/S
6.7342E+01	30.70	.099	6.3680E+01	86.63	.085	6.0120E+01	20.63	.084
6.7231E+01	26.24	.079	6.3572E+01	112.07	.117	6.0016E+01	22.30	.080
6.7176E+01	26.83	.097	6.3465E+01	184.63	.104	5.9911E+01	23.48	.073
6.7121E+01	27.08	.159	6.3411E+01	190.34	.171	5.9859E+01	23.32	.107
6.7010E+01	25.88	.062	6.3303E+01	273.86	.060	5.9754E+01	23.46	.074
6.6955E+01	25.47	.066	6.3250E+01	288.35	.059	5.9650E+01	22.54	.062
6.6899E+01	25.43	.092	6.3196E+01	291.99	.072	5.9598E+01	21.89	.066
6.6789E+01	27.22	.065	6.3089E+01	297.24	.067	5.9546E+01	21.62	.074
6.6734E+01	27.95	.065	6.2981E+01	280.49	.095	5.9494E+01	21.61	.107
6.6679E+01	28.08	.081	6.2874E+01	248.02	.065	5.9389E+01	29.19	.058
6.6568E+01	30.36	.082	6.2821E+01	235.54	.066	5.9337E+01	31.94	.058
6.6458E+01	41.12	.094	6.2767E+01	217.90	.075	5.9285E+01	33.83	.059
6.6348E+01	45.85	.086	6.2714E+01	208.87	.117	5.9233E+01	34.44	.072
6.6238E+01	51.15	.071	6.2607E+01	165.88	.118	5.9129E+01	70.07	.091
6.6128E+01	53.06	.084	6.2500E+01	145.01	.089	5.9078E+01	87.67	.105
6.6019E+01	54.26	.057	6.2393E+01	102.60	.063	5.9026E+01	100.30	.146
6.5964E+01	53.10	.058	6.2340E+01	91.88	.069	5.8974E+01	104.22	.262
6.5909E+01	51.64	.060	6.2286E+01	87.74	.072	5.8870E+01	187.28	.082
6.5854E+01	51.06	.072	6.2233E+01	88.07	.091	5.8818E+01	214.80	.081
6.5744E+01	49.03	.061	6.2127E+01	62.66	.100	5.8766E+01	242.19	.080
6.5690E+01	48.96	.063	6.2020E+01	51.29	.067	5.8715E+01	266.78	.078
6.5635E+01	49.30	.076	6.1967E+01	50.78	.095	5.8663E+01	293.37	.069
6.5526E+01	47.84	.059	6.1861E+01	40.47	.068	5.8611E+01	320.00	.067
6.5471E+01	47.67	.062	6.1808E+01	38.53	.078	5.8560E+01	332.44	.093
6.5416E+01	47.69	.077	6.1755E+01	38.05	.117	5.8456E+01	451.08	.058
6.5307E+01	50.25	.058	6.1649E+01	33.25	.145	5.8405E+01	458.73	.058
6.5253E+01	51.31	.062	6.1543E+01	29.10	.079	5.8353E+01	461.70	.061
6.5198E+01	51.72	.079	6.1490E+01	28.02	.127	5.8301E+01	463.06	.079
6.5089E+01	49.22	.058	6.1384E+01	25.86	.082	5.8198E+01	344.13	.079
6.5035E+01	49.35	.058	6.1278E+01	21.35	.063	5.8147E+01	297.94	.084
6.4980E+01	49.38	.068	6.1225E+01	21.02	.061	5.8095E+01	267.01	.100
6.4871E+01	50.42	.058	6.1172E+01	20.67	.062	5.8044E+01	258.25	.171
6.4817E+01	51.53	.063	6.1119E+01	20.48	.075	5.7941E+01	168.82	.082
6.4762E+01	51.96	.084	6.1014E+01	18.14	.143	5.7889E+01	162.86	.131
6.4654E+01	55.69	.058	6.0908E+01	18.87	.108	5.7787E+01	94.96	.096
6.4600E+01	56.17	.056	6.0803E+01	19.03	.070	5.7736E+01	81.79	.088
6.4545E+01	56.32	.057	6.0750E+01	17.71	.074	5.7684E+01	74.08	.093
6.4491E+01	56.32	.065	6.0698E+01	17.05	.084	5.7633E+01	71.90	.147
6.4383E+01	57.71	.080	6.0645E+01	16.98	.132	5.7530E+01	48.92	.065
6.4274E+01	59.19	.073	6.0540E+01	19.06	.062	5.7479E+01	43.90	.065
6.4166E+01	63.54	.080	6.0487E+01	18.47	.060	5.7428E+01	41.12	.065
6.4058E+01	63.72	.068	6.0435E+01	17.91	.062	5.7377E+01	40.43	.069
6.3950E+01	68.90	.061	6.0382E+01	17.79	.079	5.7326E+01	40.38	.092
6.3896E+01	69.51	.077	6.0277E+01	19.25	.058	5.7223E+01	32.60	.112
6.3788E+01	81.60	.057	6.0225E+01	19.87	.059	5.7121E+01	26.65	.074
6.3734E+01	85.39	.063	6.0173E+01	20.40	.064	5.7070E+01	26.32	.112

E(EV)	S(8)	DS/S	E(EV)	S(8)	DS/S	E(EV)	S(8)	DS/S
5.6968E+01	24.40	.061	5.3851E+01	212.46	.146	5.1015E+01	83.22	.058
5.6917E+01	24.33	.078	5.3752E+01	277.22	.057	5.0967E+01	84.08	.070
5.6815E+01	23.09	.059	5.3703E+01	288.21	.057	5.0870E+01	91.51	.056
5.6764E+01	23.63	.060	5.3653E+01	296.22	.056	5.0822E+01	92.65	.058
5.6714E+01	24.09	.065	5.3604E+01	297.89	.056	5.0774E+01	93.44	.068
5.6663E+01	24.19	.089	5.3554E+01	294.32	.059	5.0678E+01	97.89	.056
5.6561E+01	29.46	.059	5.3505E+01	292.42	.072	5.0630E+01	99.59	.057
5.6510E+01	29.92	.072	5.3406E+01	264.17	.058	5.0582E+01	100.16	.065
5.6409E+01	39.77	.059	5.3357E+01	263.04	.071	5.0486E+01	100.26	.058
5.6358E+01	43.41	.057	5.3258E+01	222.63	.055	5.0438E+01	100.07	.058
5.6307E+01	45.87	.056	5.3209E+01	209.64	.055	5.0390E+01	99.92	.057
5.6257E+01	47.14	.058	5.3160E+01	198.18	.056	5.0342E+01	99.84	.056
5.6206E+01	47.57	.070	5.3110E+01	189.84	.058	5.0294E+01	99.35	.056
5.6105E+01	42.32	.062	5.3061E+01	181.38	.058	5.0246E+01	97.61	.056
5.6054E+01	38.53	.071	5.3012E+01	172.06	.056	5.0198E+01	95.69	.056
5.6004E+01	34.80	.081	5.2963E+01	164.31	.056	5.0150E+01	95.71	.057
5.5953E+01	30.90	.086	5.2914E+01	158.68	.060	5.0102E+01	98.24	.058
5.5903E+01	27.26	.089	5.2865E+01	156.47	.074	5.0055E+01	101.06	.061
5.5852E+01	25.27	.092	5.2766E+01	140.92	.057	5.0007E+01	102.06	.077
5.5802E+01	24.84	.137	5.2717E+01	140.28	.066	4.9911E+01	100.21	.057
5.5701E+01	22.12	.061	5.2619E+01	124.38	.057	4.9864E+01	99.58	.062
5.5650E+01	21.86	.077	5.2570E+01	121.11	.060	4.9816E+01	99.14	.081
5.5550E+01	18.57	.093	5.2521E+01	120.29	.075	4.9721E+01	104.07	.057
5.5499E+01	18.56	.149	5.2424E+01	106.44	.056	4.9673E+01	105.70	.059
5.5399E+01	15.76	.066	5.2375E+01	102.52	.056	4.9625E+01	106.58	.071
5.5349E+01	15.43	.093	5.2326E+01	97.59	.057	4.9530E+01	122.40	.057
5.5248E+01	13.90	.080	5.2277E+01	94.26	.057	4.9483E+01	125.54	.060
5.5198E+01	13.94	.127	5.2228E+01	93.52	.059	4.9435E+01	126.63	.075
5.5098E+01	13.05	.071	5.2179E+01	93.44	.071	4.9340E+01	135.58	.056
5.5047E+01	13.11	.098	5.2082E+01	90.71	.058	4.9293E+01	137.68	.057
5.4947E+01	11.91	.104	5.2033E+01	89.98	.070	4.9245E+01	138.41	.059
5.4897E+01	11.91	.188	5.1936E+01	89.38	.056	4.9198E+01	138.55	.072
5.4797E+01	14.32	.075	5.1887E+01	91.11	.057	4.9103E+01	126.25	.057
5.4747E+01	14.52	.104	5.1838E+01	91.54	.065	4.9056E+01	120.32	.058
5.4647E+01	10.93	.111	5.1741E+01	93.90	.056	4.9009E+01	118.02	.068
5.4597E+01	10.49	.198	5.1693E+01	95.12	.056	4.8914E+01	106.14	.056
5.4498E+01	10.23	.070	5.1644E+01	95.19	.056	4.8867E+01	99.78	.056
5.4448E+01	10.57	.096	5.1595E+01	95.61	.057	4.8820E+01	94.82	.059
5.4348E+01	16.43	.061	5.1547E+01	96.03	.060	4.8773E+01	93.39	.074
5.4298E+01	17.32	.076	5.1498E+01	96.10	.074	4.8678E+01	84.99	.058
5.4199E+01	46.86	.081	5.1402E+01	84.32	.058	4.8631E+01	83.74	.061
5.4149E+01	64.55	.091	5.1353E+01	81.79	.064	4.8584E+01	83.48	.075
5.4100E+01	86.32	.098	5.1305E+01	81.03	.087	4.8490E+01	76.83	.057
5.4050E+01	103.50	.124	5.1208E+01	82.94	.057	4.8443E+01	75.67	.058
5.4000E+01	109.22	.210	5.1160E+01	82.16	.060	4.8396E+01	75.21	.063
5.3901E+01	204.81	.091	5.1111E+01	81.96	.072	4.8349E+01	75.18	.083

E(EV)	S(B)	DS/S	E(EV)	S(B)	DS/S	E(EV)	S(B)	DS/S
4.8255E+01	65.82	.056	4.5846E+01	43.92	.125	4.3632E+01	7.87	.070
4.8208E+01	64.94	.057	4.5755E+01	40.40	.064	4.3588E+01	7.97	.065
4.8161E+01	64.42	.060	4.5709E+01	36.67	.069	4.3543E+01	8.92	.064
4.8114E+01	64.12	.076	4.5663E+01	33.51	.072	4.3498E+01	11.12	.062
4.8021E+01	57.72	.060	4.5618E+01	32.89	.064	4.3454E+01	14.44	.059
4.7974E+01	57.25	.060	4.5572E+01	32.66	.060	4.3409E+01	19.45	.058
4.7927E+01	56.98	.065	4.5526E+01	32.08	.061	4.3365E+01	27.72	.058
4.7880E+01	57.18	.089	4.5481E+01	32.11	.060	4.3321E+01	39.40	.059
4.7787E+01	64.78	.058	4.5435E+01	32.58	.059	4.3276E+01	50.95	.058
4.7740E+01	74.25	.062	4.5390E+01	33.16	.058	4.3232E+01	60.94	.057
4.7694E+01	88.53	.067	4.5344E+01	34.09	.058	4.3187E+01	70.44	.057
4.7647E+01	108.57	.068	4.5299E+01	35.79	.058	4.3143E+01	78.73	.057
4.7600E+01	129.77	.065	4.5253E+01	37.45	.061	4.3098E+01	85.07	.057
4.7554E+01	147.71	.062	4.5208E+01	38.09	.077	4.3054E+01	88.48	.057
4.7507E+01	156.93	.061	4.5117E+01	50.59	.057	4.3010E+01	88.01	.058
4.7461E+01	152.83	.064	4.5072E+01	55.78	.057	4.2966E+01	83.34	.058
4.7414E+01	142.79	.071	4.5026E+01	60.40	.056	4.2921E+01	77.25	.058
4.7368E+01	133.74	.074	4.4981E+01	62.47	.057	4.2877E+01	73.60	.062
4.7321E+01	117.89	.069	4.4936E+01	62.85	.066	4.2833E+01	72.71	.081
4.7275E+01	93.97	.064	4.4845E+01	74.56	.056	4.2744E+01	78.23	.056
4.7228E+01	81.62	.076	4.4800E+01	80.86	.056	4.2700E+01	86.67	.055
4.7182E+01	82.11	.116	4.4755E+01	87.10	.056	4.2656E+01	97.10	.055
4.7089E+01	58.90	.064	4.4710E+01	91.81	.056	4.2612E+01	110.95	.056
4.7043E+01	55.49	.063	4.4665E+01	95.01	.056	4.2568E+01	127.64	.056
4.6996E+01	54.05	.068	4.4619E+01	98.11	.055	4.2524E+01	142.30	.056
4.6950E+01	53.85	.094	4.4574E+01	100.04	.055	4.2480E+01	151.46	.057
4.6858E+01	46.69	.057	4.4529E+01	99.48	.056	4.2436E+01	153.22	.059
4.6812E+01	46.35	.058	4.4484E+01	96.51	.056	4.2392E+01	146.25	.065
4.6765E+01	44.84	.058	4.4439E+01	90.21	.057	4.2348E+01	132.73	.072
4.6719E+01	42.90	.060	4.4394E+01	81.34	.060	4.2304E+01	115.27	.077
4.6673E+01	42.15	.075	4.4349E+01	73.64	.063	4.2260E+01	100.32	.101
4.6581E+01	43.26	.056	4.4304E+01	67.05	.065	4.2216E+01	94.76	.181
4.6535E+01	44.14	.057	4.4259E+01	58.09	.067	4.2128E+01	46.84	.104
4.6488E+01	44.30	.057	4.4214E+01	47.53	.076	4.2084E+01	35.01	.103
4.6443E+01	43.70	.056	4.4169E+01	38.11	.084	4.2041E+01	26.79	.091
4.6397E+01	42.97	.056	4.4124E+01	30.50	.079	4.1997E+01	22.99	.080
4.6351E+01	42.33	.056	4.4080E+01	25.51	.072	4.1953E+01	22.26	.064
4.6304E+01	41.29	.057	4.4035E+01	22.32	.069	4.1909E+01	22.92	.061
4.6258E+01	40.52	.060	4.3990E+01	18.27	.089	4.1866E+01	23.67	.063
4.6213E+01	41.45	.062	4.3945E+01	13.75	.115	4.1822E+01	24.97	.063
4.6167E+01	42.77	.068	4.3900E+01	10.70	.108	4.1778E+01	26.95	.060
4.6121E+01	43.02	.094	4.3856E+01	8.70	.082	4.1735E+01	29.07	.059
4.6029E+01	47.57	.058	4.3811E+01	7.70	.067	4.1691E+01	31.91	.059
4.5983E+01	46.81	.058	4.3766E+01	7.22	.064	4.1647E+01	34.86	.059
4.5937E+01	45.49	.061	4.3722E+01	7.16	.067	4.1604E+01	36.06	.058
4.5892E+01	44.44	.077	4.3677E+01	7.57	.072	4.1560E+01	36.50	.056

E(EV)	S(B)	OS/S	E(EV)	S(8)	OS/S	E(EV)	S(8)	DS/S
4.1517E+01	37.64	.057	3.9496E+01	66.47	.056	3.7568E+01	25.21	.C71
4.1473E+01	38.68	.064	3.9454E+01	69.51	.056	3.7526E+01	25.16	.071
4.1430E+01	39.02	.088	3.9411E+01	69.16	.056	3.7485E+01	24.96	.063
4.1343E+01	43.01	.061	3.9369E+01	65.88	.057	3.7443E+01	25.79	.064
4.1299E+01	44.90	.058	3.9327E+01	62.04	.058	3.7402E+01	27.58	.C67
4.1256E+01	47.28	.056	3.9284E+01	57.12	.057	3.7361E+01	28.23	.068
4.1213E+01	50.14	.056	3.9242E+01	51.08	.057	3.7320E+01	28.30	.070
4.1169E+01	53.69	.057	3.9200E+01	45.10	.057	3.7278E+01	28.98	.C73
4.1126E+01	57.92	.058	3.9157E+01	38.21	.058	3.7237E+01	30.27	.068
4.1083E+01	63.70	.058	3.9115E+01	31.32	.060	3.7196E+01	30.92	.062
4.1039E+01	72.59	.056	3.9073E+01	25.77	.065	3.7155E+01	30.79	.060
4.0996E+01	83.40	.057	3.9031E+01	20.90	.071	3.7113E+01	30.42	.066
4.0953E+01	95.43	.057	3.8988E+01	17.30	.070	3.7072E+01	30.40	.073
4.0910E+01	109.67	.056	3.8946E+01	16.47	.063	3.7031E+01	30.24	.073
4.0866E+01	124.72	.056	3.8904E+01	16.86	.060	3.6990E+01	29.22	.C68
4.0823E+01	140.35	.058	3.8862E+01	16.91	.060	3.6949E+01	28.63	.063
4.0780E+01	157.18	.058	3.8820E+01	16.45	.061	3.6908E+01	29.41	.063
4.0737E+01	173.12	.058	3.8778E+01	15.67	.062	3.6867E+01	30.49	.063
4.0694E+01	187.91	.057	3.8736E+01	15.36	.061	3.6826E+01	31.64	.066
4.0651E+01	203.44	.057	3.8694E+01	15.62	.060	3.6785E+01	32.12	.C68
4.0608E+01	216.22	.057	3.8652E+01	15.85	.063	3.6744E+01	31.24	.067
4.0565E+01	221.34	.056	3.8610E+01	15.64	.065	3.6703E+01	31.79	.062
4.0522E+01	221.32	.056	3.8568E+01	15.70	.063	3.6662E+01	35.77	.058
4.0479E+01	219.78	.057	3.8526E+01	16.01	.061	3.6621E+01	43.22	.C57
4.0436E+01	213.46	.057	3.8484E+01	14.85	.064	3.6580E+01	54.67	.057
4.0393E+01	200.70	.057	3.8442E+01	13.27	.069	3.6540E+01	70.17	.058
4.0350E+01	184.39	.060	3.8400E+01	13.98	.069	3.6499E+01	90.12	.C59
4.0307E+01	165.95	.063	3.8358E+01	15.81	.070	3.6458E+01	118.97	.060
4.0264E+01	147.17	.062	3.8316E+01	17.39	.070	3.6417E+01	156.31	.060
4.0221E+01	130.85	.058	3.8275E+01	19.31	.067	3.6376E+01	191.66	.C59
4.0178E+01	118.09	.059	3.8233E+01	20.27	.061	3.6336E+01	218.97	.057
4.0136E+01	106.93	.059	3.8191E+01	20.21	.058	3.6295E+01	239.82	.C56
4.0093E+01	94.91	.058	3.8149E+01	20.15	.060	3.6254E+01	254.29	.C56
4.0050E+01	85.02	.058	3.8108E+01	19.50	.064	3.6214E+01	257.08	.057
4.0007E+01	77.41	.059	3.8066E+01	18.87	.066	3.6173E+01	243.67	.058
3.9965E+01	68.85	.062	3.8024E+01	20.34	.063	3.6132E+01	225.52	.060
3.9922E+01	61.53	.062	3.7983E+01	22.40	.062	3.6092E+01	207.58	.062
3.9879E+01	56.68	.060	3.7941E+01	23.20	.063	3.6051E+01	183.86	.061
3.9837E+01	51.95	.060	3.7899E+01	23.64	.062	3.6011E+01	160.64	.C61
3.9794E+01	46.54	.060	3.7858E+01	23.55	.062	3.5970E+01	144.33	.C59
3.9751E+01	43.15	.062	3.7816E+01	22.78	.064	3.5929E+01	132.26	.058
3.9709E+01	42.67	.062	3.7775E+01	22.69	.066	3.5889E+01	121.26	.058
3.9666E+01	45.86	.058	3.7733E+01	23.19	.065	3.5849E+01	114.65	.C59
3.9624E+01	50.99	.057	3.7692E+01	22.80	.066	3.5808E+01	108.46	.C60
3.9581E+01	56.39	.057	3.7650E+01	23.09	.066	3.5768E+01	100.44	.057
3.9539E+01	61.76	.056	3.7609E+01	24.47	.065	3.5727E+01	94.21	.C56

E(EV)	S(B)	DS/S	E(EV)	S(B)	DS/S	E(EV)	S(B)	DS/S
3.5687E+01	90.49	.057	3.3855E+01	50.69	.061	3.2071E+01	37.34	.067
3.5647E+01	87.39	.059	3.3815E+01	52.35	.060	3.2033E+01	39.42	.067
3.5606E+01	84.49	.060	3.3776E+01	52.33	.059	3.1994E+01	41.83	.065
3.5566E+01	81.54	.059	3.3737E+01	50.62	.060	3.1956E+01	43.22	.060
3.5526E+01	77.45	.058	3.3698E+01	48.90	.061	3.1918E+01	42.95	.061
3.5486E+01	72.92	.059	3.3659E+01	48.36	.060	3.1880E+01	43.08	.064
3.5445E+01	71.85	.058	3.3619E+01	47.06	.059	3.1842E+01	44.65	.067
3.5405E+01	73.24	.057	3.3580E+01	44.15	.063	3.1803E+01	45.99	.066
3.5365E+01	72.84	.058	3.3541E+01	41.77	.068	3.1765E+01	46.16	.061
3.5325E+01	72.56	.060	3.3502E+01	41.23	.070	3.1727E+01	45.05	.059
3.5285E+01	74.50	.060	3.3463E+01	42.93	.063	3.1689E+01	43.42	.060
3.5245E+01	76.67	.060	3.3424E+01	44.39	.059	3.1651E+01	42.85	.061
3.5204E+01	76.24	.059	3.3385E+01	43.43	.060	3.1613E+01	43.94	.060
3.5164E+01	73.77	.059	3.3346E+01	40.84	.060	3.1575E+01	43.88	.060
3.5124E+01	71.57	.059	3.3307E+01	38.83	.060	3.1537E+01	41.02	.066
3.5084E+01	69.38	.060	3.3268E+01	38.54	.063	3.1499E+01	38.09	.077
3.5044E+01	66.38	.061	3.3229E+01	38.57	.069	3.1462E+01	36.13	.077
3.5004E+01	63.37	.062	3.3190E+01	38.54	.068	3.1424E+01	35.64	.065
3.4964E+01	61.73	.063	3.3151E+01	40.06	.060	3.1386E+01	34.78	.066
3.4924E+01	62.37	.062	3.3112E+01	42.10	.057	3.1348E+01	33.48	.071
3.4884E+01	63.97	.061	3.3073E+01	42.55	.058	3.1310E+01	32.65	.079
3.4844E+01	64.07	.060	3.3034E+01	40.58	.060	3.1272E+01	31.27	.086
3.4805E+01	63.03	.062	3.2995E+01	36.99	.064	3.1235E+01	30.33	.079
3.4765E+01	62.73	.062	3.2957E+01	36.18	.067	3.1197E+01	29.59	.068
3.4725E+01	63.46	.060	3.2918E+01	37.37	.065	3.1159E+01	28.41	.063
3.4685E+01	64.21	.058	3.2879E+01	36.43	.061	3.1121E+01	28.64	.064
3.4645E+01	63.70	.057	3.2841E+01	34.51	.065	3.1084E+01	29.80	.064
3.4606E+01	62.72	.058	3.2802E+01	33.19	.073	3.1046E+01	29.55	.067
3.4566E+01	62.58	.058	3.2763E+01	32.43	.076	3.1009E+01	28.54	.070
3.4526E+01	63.40	.057	3.2724E+01	31.82	.074	3.0971E+01	27.29	.066
3.4487E+01	65.22	.057	3.2686E+01	31.12	.071	3.0933E+01	25.96	.066
3.4447E+01	66.06	.059	3.2647E+01	30.31	.074	3.0896E+01	25.58	.068
3.4407E+01	64.40	.061	3.2609E+01	29.73	.075	3.0858E+01	25.97	.069
3.4368E+01	62.12	.061	3.2570E+01	29.63	.073	3.0821E+01	26.41	.071
3.4328E+01	60.02	.060	3.2532E+01	29.70	.070	3.0783E+01	27.19	.068
3.4289E+01	57.64	.063	3.2493E+01	29.77	.070	3.0746E+01	27.61	.064
3.4249E+01	55.19	.066	3.2455E+01	30.27	.069	3.0708E+01	27.53	.065
3.4209E+01	54.08	.064	3.2416E+01	30.52	.063	3.0671E+01	26.92	.071
3.4170E+01	55.99	.060	3.2378E+01	29.74	.060	3.0633E+01	26.74	.075
3.4130E+01	56.72	.059	3.2339E+01	28.88	.063	3.0596E+01	27.60	.079
3.4091E+01	55.04	.060	3.2301E+01	29.11	.065	3.0559E+01	27.61	.091
3.4052E+01	55.37	.060	3.2262E+01	30.45	.062	3.0521E+01	27.07	.101
3.4012E+01	56.62	.057	3.2224E+01	31.45	.060	3.0484E+01	27.39	.093
3.3973E+01	56.72	.057	3.2186E+01	32.26	.061	3.0447E+01	27.75	.082
3.3933E+01	54.95	.058	3.2147E+01	33.94	.064	3.0409E+01	28.58	.072
3.3894E+01	51.46	.060	3.2109E+01	35.67	.067	3.0372E+01	29.17	.074

E(EV)	S(B)	DS/S	E(EV)	S(8)	CS/S	E(EV)	S(8)	DS/S
3.0335E+01	28.98	.080	2.8648E+01	15.82	.075	2.7008E+01	19.35	.090
3.0298E+01	29.22	.080	2.8611E+01	15.10	.073	2.6973E+01	25.18	.107
3.0261E+01	30.44	.085	2.8575E+01	13.63	.077	2.6938E+01	34.52	.100
3.0223E+01	32.28	.084	2.8539E+01	10.76	.094	2.6903E+01	52.53	.C76
3.0186E+01	34.24	.079	2.8503E+01	9.52	.127	2.6868E+01	78.20	.C64
3.0149E+01	36.38	.071	2.8467E+01	10.03	.140	2.6833E+01	98.47	.062
3.0112E+01	39.39	.064	2.8431E+01	10.67	.122	2.6798E+01	107.60	.062
3.0075E+01	40.81	.064	2.8395E+01	9.99	.099	2.6763E+01	110.85	.063
3.0038E+01	40.68	.071	2.8359E+01	7.87	.084	2.6728E+01	108.78	.C63
3.0001E+01	43.22	.079	2.8323E+01	5.95	.096	2.6693E+01	103.41	.064
2.9964E+01	49.33	.074	2.8287E+01	5.88	.104	2.6658E+01	91.15	.071
2.9927E+01	56.82	.065	2.8251E+01	6.52	.106	2.6624E+01	72.47	.C76
2.9890E+01	62.64	.066	2.8215E+01	6.38	.112	2.6589E+01	57.14	.070
2.9853E+01	68.58	.071	2.8179E+01	5.61	.110	2.6554E+01	47.35	.C69
2.9816E+01	77.76	.071	2.8144E+01	4.44	.111	2.6519E+01	38.19	.C75
2.9779E+01	93.78	.063	2.8108E+01	4.17	.130	2.6484E+01	28.11	.C94
2.9743E+01	121.35	.058	2.8072E+01	5.02	.122	2.6449E+01	22.26	.103
2.9706E+01	154.58	.057	2.8036E+01	5.54	.108	2.6415E+01	21.50	.C95
2.9669E+01	187.76	.057	2.8000E+01	5.97	.095	2.6380E+01	22.33	.087
2.9632E+01	225.81	.057	2.7965E+01	6.97	.090	2.6345E+01	21.11	.075
2.9595E+01	266.65	.058	2.7929E+01	8.68	.077	2.6311E+01	18.94	.C75
2.9559E+01	305.57	.057	2.7893E+01	11.61	.069	2.6276E+01	17.03	.070
2.9522E+01	335.34	.056	2.7858E+01	16.57	.071	2.6241E+01	15.45	.C72
2.9485E+01	342.89	.057	2.7822E+01	23.07	.074	2.6207E+01	14.13	.C71
2.9449E+01	329.15	.059	2.7786E+01	30.14	.070	2.6172E+01	13.06	.071
2.9412E+01	312.40	.060	2.7751E+01	38.38	.071	2.6138E+01	12.01	.073
2.9375E+01	301.24	.059	2.7715E+01	47.89	.079	2.6103E+01	10.57	.084
2.9339E+01	286.70	.057	2.7680E+01	59.21	.074	2.6069E+01	8.75	.C92
2.9302E+01	259.10	.058	2.7644E+01	71.52	.067	2.6034E+01	7.62	.C83
2.9266E+01	227.72	.058	2.7609E+01	77.24	.075	2.6000E+01	7.65	.086
2.9229E+01	202.83	.060	2.7573E+01	73.45	.083	2.5965E+01	8.61	.087
2.9192E+01	173.54	.065	2.7538E+01	65.96	.082	2.5931E+01	10.62	.085
2.9156E+01	145.29	.066	2.7502E+01	60.69	.082	2.5896E+01	11.93	.C88
2.9120E+01	134.14	.062	2.7467E+01	55.80	.085	2.5862E+01	11.46	.C95
2.9083E+01	122.65	.063	2.7431E+01	45.54	.079	2.5828E+01	10.48	.C92
2.9047E+01	101.27	.073	2.7396E+01	36.47	.095	2.5793E+01	9.86	.089
2.9010E+01	83.33	.084	2.7361E+01	30.16	.098	2.5759E+01	9.82	.C85
2.8974E+01	70.99	.080	2.7325E+01	21.12	.080	2.5725E+01	9.46	.085
2.8937E+01	62.96	.068	2.7290E+01	13.90	.103	2.5691E+01	8.61	.100
2.8901E+01	53.45	.078	2.7255E+01	12.23	.119	2.5656E+01	8.10	.105
2.8865E+01	41.46	.093	2.7219E+01	12.01	.100	2.5622E+01	7.71	.089
2.8829E+01	33.05	.094	2.7184E+01	11.46	.088	2.5588E+01	6.94	.C93
2.8792E+01	27.43	.079	2.7149E+01	10.32	.099	2.5554E+01	5.70	.129
2.8756E+01	23.50	.068	2.7114E+01	9.68	.098	2.5520E+01	4.44	.168
2.8720E+01	20.57	.072	2.7079E+01	10.50	.091	2.5486E+01	4.36	.138
2.8684E+01	17.87	.072	2.7043E+01	14.06	.082	2.5452E+01	4.83	.107

E(EV)	S(8)	DS/S	E(EV)	S(8)	DS/S	E(EV)	S(8)	DS/S
2.5417E+01	4.90	.111	2.3875E+01	41.66	.076	2.2380E+01	53.13	.076
2.5383E+01	4.91	.122	2.3842E+01	39.15	.078	2.2348E+01	54.38	.082
2.5349E+01	5.66	.109	2.3809E+01	41.50	.073	2.2317E+01	58.11	.079
2.5315E+01	8.14	.087	2.3776E+01	44.42	.078	2.2285E+01	59.60	.075
2.5281E+01	12.55	.077	2.3743E+01	44.02	.082	2.2253E+01	65.22	.070
2.5247E+01	18.36	.070	2.3710E+01	42.83	.078	2.2221E+01	68.65	.066
2.5213E+01	24.65	.068	2.3677E+01	41.29	.075	2.2189E+01	64.15	.070
2.5179E+01	33.28	.073	2.3644E+01	38.27	.074	2.2157E+01	61.42	.076
2.5146E+01	47.88	.079	2.3611E+01	33.86	.078	2.2125E+01	65.02	.083
2.5112E+01	68.40	.076	2.3579E+01	32.44	.077	2.2094E+01	69.36	.087
2.5078E+01	97.58	.068	2.3546E+01	34.85	.073	2.2062E+01	69.51	.083
2.5044E+01	141.87	.063	2.3513E+01	35.52	.071	2.2030E+01	68.91	.073
2.5010E+01	199.55	.061	2.3480E+01	33.37	.072	2.1999E+01	73.82	.070
2.4976E+01	261.24	.059	2.3447E+01	32.52	.080	2.1967E+01	84.74	.069
2.4943E+01	310.73	.059	2.3415E+01	33.71	.094	2.1935E+01	99.99	.071
2.4909E+01	344.09	.060	2.3382E+01	36.98	.092	2.1904E+01	106.85	.074
2.4875E+01	369.54	.059	2.3350E+01	38.02	.086	2.1872E+01	104.14	.086
2.4842E+01	368.44	.059	2.3317E+01	34.92	.092	2.1840E+01	105.42	.102
2.4808E+01	340.02	.060	2.3284E+01	30.83	.093	2.1809E+01	109.36	.103
2.4774E+01	306.01	.065	2.3252E+01	28.44	.082	2.1777E+01	118.53	.087
2.4741E+01	259.39	.069	2.3219E+01	32.01	.084	2.1746E+01	134.47	.072
2.4707E+01	208.26	.071	2.3187E+01	37.82	.076	2.1714E+01	153.57	.068
2.4674E+01	168.16	.067	2.3154E+01	36.77	.070	2.1683E+01	170.28	.073
2.4640E+01	140.15	.061	2.3121E+01	34.17	.074	2.1651E+01	180.57	.081
2.4606E+01	120.84	.063	2.3089E+01	35.46	.074	2.1620E+01	188.81	.079
2.4573E+01	109.46	.066	2.3057E+01	36.01	.081	2.1588E+01	204.36	.073
2.4539E+01	99.10	.073	2.3024E+01	33.42	.105	2.1557E+01	229.36	.075
2.4506E+01	87.70	.081	2.2992E+01	31.98	.121	2.1526E+01	259.66	.076
2.4473E+01	80.88	.080	2.2959E+01	32.01	.118	2.1494E+01	279.31	.072
2.4439E+01	79.44	.074	2.2927E+01	32.97	.114	2.1463E+01	271.10	.069
2.4406E+01	79.34	.063	2.2895E+01	34.76	.115	2.1432E+01	258.04	.067
2.4372E+01	73.52	.067	2.2862E+01	36.71	.122	2.1400E+01	258.55	.064
2.4339E+01	65.97	.073	2.2830E+01	40.65	.130	2.1369E+01	247.48	.068
2.4306E+01	62.45	.075	2.2798E+01	45.97	.125	2.1338E+01	222.26	.075
2.4273E+01	58.93	.075	2.2766E+01	46.50	.108	2.1307E+01	197.65	.076
2.4239E+01	55.36	.073	2.2733E+01	42.32	.098	2.1276E+01	178.26	.072
2.4206E+01	55.27	.078	2.2701E+01	40.08	.114	2.1245E+01	170.63	.070
2.4173E+01	54.28	.083	2.2669E+01	41.65	.112	2.1213E+01	158.45	.076
2.4140E+01	50.85	.079	2.2637E+01	43.68	.102	2.1182E+01	131.10	.087
2.4106E+01	48.41	.073	2.2605E+01	43.99	.095	2.1151E+01	105.58	.082
2.4073E+01	47.55	.075	2.2573E+01	43.20	.087	2.1120E+01	96.72	.071
2.4040E+01	47.94	.072	2.2540E+01	43.41	.078	2.1089E+01	96.26	.069
2.4007E+01	50.29	.078	2.2508E+01	43.71	.085	2.1058E+01	86.65	.084
2.3974E+01	52.70	.088	2.2476E+01	44.16	.105	2.1027E+01	73.65	.101
2.3941E+01	51.23	.083	2.2444E+01	48.84	.103	2.0996E+01	66.68	.100
2.3908E+01	46.51	.070	2.2412E+01	53.76	.083	2.0965E+01	62.60	.091

E(EV)	S(B)	DS/S	E(EV)	S(B)	DS/S	E(EV)	S(8)	DS/S
2.0934E+01	53.72	.097	2.0596E+01	16.81	.154	2.0260E+01	7.50	.286
2.0903E+01	43.24	.106	2.0565E+01	14.36	.156	2.0229E+01	8.12	.231
2.0872E+01	37.01	.119	2.0534E+01	14.93	.130	2.0199E+01	8.49	.221
2.0842E+01	34.28	.139	2.0504E+01	15.14	.122	2.0169E+01	7.03	.278
2.0811E+01	31.87	.133	2.0473E+01	16.46	.117	2.0138E+01	5.07	.400
2.0780E+01	28.09	.113	2.0443E+01	17.80	.118	2.0108E+01	4.61	.441
2.0749E+01	25.17	.102	2.0412E+01	18.30	.123	2.0078E+01	6.34	.353
2.0718E+01	23.00	.122	2.0382E+01	16.68	.129	2.0047E+01	8.41	.303
2.0688E+01	23.21	.131	2.0351E+01	13.11	.155	2.0017E+01	9.45	.311
2.0657E+01	25.89	.114	2.0321E+01	10.36	.214	1.9987E+01	9.86	.480
2.0626E+01	23.51	.117	2.0290E+01	8.62	.275	0.	0.00	0.000

APPENDIX III

FISSION CROSS SECTION OF 246CM

E(EV)	S(B)	DS/S	E(EV)	S(B)	DS/S	E(EV)	S(B)	DS/S
2.8304E+06	1.85	.137	2.3298E+05	.08	.885	6.4200E+04	.06	1.190
2.5316E+06	1.85	.111	2.2308E+05	.05	1.284	6.2038E+04	.04	1.770
2.2778E+06	1.81	.106	2.1837E+05	.09	.841	5.9984E+04	.03	2.166
2.0603E+06	1.70	.092	2.0938E+05	.12	.642	5.8030E+04	.02	3.686
1.8725E+06	1.78	.093	2.0299E+05	.08	.898	5.6170E+04	.04	1.992
1.7093E+06	1.74	.087	1.9690E+05	.07	.954	5.4398E+04	.05	1.773
1.5665E+06	1.51	.090	1.9108E+05	.07	1.064	5.2709E+04	.06	1.475
1.4409E+06	1.68	.086	1.8551E+05	.06	1.186	5.1097E+04	.05	1.896
1.3298E+06	1.58	.095	1.8018E+05	.05	1.371	4.9557E+04	.05	1.708
1.2311E+06	1.63	.097	1.7507E+05	.06	1.216	4.8087E+04	.06	1.610
1.1157E+06	1.62	.088	1.7018E+05	.06	1.277	4.6452E+04	.04	2.209
1.0640E+06	1.62	.091	1.6550E+05	.04	1.669	4.5117E+04	.05	1.874
9.7083E+05	1.38	.093	1.6100E+05	.05	1.727	4.3838E+04	.04	2.934
9.2876E+05	1.38	.089	1.5528E+05	.08	1.238	4.2613E+04	.03	4.034
8.5244E+05	1.18	.108	1.5254E+05	.06	1.531	4.1439E+04	.08	1.549
8.1775E+05	.83	.115	1.4726E+05	.06	1.690	4.0312E+04	.09	1.124
7.5445E+05	.63	.122	1.4473E+05	.07	1.550	3.9231E+04	.10	1.078
7.2552E+05	.45	.161	1.3985E+05	.07	1.544	3.8192E+04	.05	2.465
6.7244E+05	.40	.192	1.3750E+05	.06	1.435	3.7195E+04	.06	2.350
6.4806E+05	.42	.168	1.3298E+05	.05	1.601	3.6236E+04	.09	1.894
6.0311E+05	.25	.250	1.3080E+05	.05	1.399	3.5313E+04	.10	2.045
5.8237E+05	.18	.274	1.2661E+05	.04	2.257	3.4426E+04	.10	1.839
5.4397E+05	.23	.237	1.2458E+05	.07	1.114	3.3432E+04	.06	2.252
5.1761E+05	.15	.324	1.2068E+05	.06	1.696	3.2614E+04	.04	2.877
4.9313E+05	.17	.282	1.1880E+05	.05	1.931	3.1825E+04	.05	2.279
4.7034E+05	.13	.390	1.1516E+05	.04	2.475	3.1065E+04	.06	1.831
4.4909E+05	.12	.399	1.1341E+05	.03	2.720	3.0332E+04	.09	1.251
4.2925E+05	.10	.485	1.1001E+05	.06	1.531	2.9624E+04	.08	1.385
4.1070E+05	.08	.673	1.0757E+05	.07	1.329	2.8941E+04	.10	1.271
3.9332E+05	.04	1.069	1.0520E+05	.06	1.508	2.8281E+04	.08	1.599
3.7703E+05	.05	.947	1.0291E+05	.06	1.450	2.7644E+04	.08	1.508
3.6173E+05	.06	.963	1.0070E+05	.07	1.394	2.7028E+04	.06	2.106
3.4273E+05	.08	.634	9.8555E+04	.05	1.446	2.6432E+04	.09	1.486
3.3379E+05	.10	.547	9.4468E+04	.05	1.424	2.5856E+04	.08	1.388
3.1692E+05	.08	.692	9.0630E+04	.06	1.464	2.5207E+04	.04	3.197
3.0897E+05	.09	.666	8.7021E+04	.09	1.322	2.4670E+04	.05	2.057
2.9393E+05	.08	.808	8.3623E+04	.11	.881	2.4150E+04	.03	3.933
2.8682E+05	.07	1.017	8.0421E+04	.06	1.248	2.3647E+04	.05	1.975
2.7334E+05	.07	.882	7.7399E+04	.07	1.249	2.3159E+04	.06	2.053
2.6696E+05	.08	.777	7.4545E+04	.05	1.554	2.2686E+04	.05	2.315
2.5485E+05	.09	.727	7.1845E+04	.06	1.297	2.2227E+04	.04	2.981
2.4910E+05	.09	.717	6.8877E+04	.04	1.880	2.1782E+04	.06	1.762
2.3817E+05	.06	1.055	6.6477E+04	.06	1.230	2.1350E+04	.09	1.410

E(EV)	S(8)	DS/S	E(EV)	S(8)	DS/S	E(EV)	S(8)	DS/S
2.0931E+04	.07	1.883	9.8174E+03	.02	11.499	5.6766E+03	.08	3.313
2.0524E+04	.04	3.278	9.6862E+03	.01	14.078	5.6188E+03	.01	36.861
2.0065E+04	.03	3.653	9.5575E+03	-.04	4.327	5.5618E+03	-.01	25.810
1.9683E+04	.04	3.242	9.4107E+03	-.04	4.677	5.4965E+03	-.01	37.304
1.9312E+04	.09	1.394	9.2875E+03	.00	305.525	5.4414E+03	-.08	2.455
1.8951E+04	.11	1.118	9.1667E+03	.03	5.689	5.3871E+03	-.02	8.381
1.8600E+04	.12	1.250	9.0482E+03	.03	6.125	5.3336E+03	.03	6.578
1.8259E+04	.10	1.423	8.9320E+03	.06	3.542	5.2809E+03	.01	20.750
1.7927E+04	.04	3.436	8.8181E+03	.04	4.754	5.2290E+03	-.01	17.943
1.7605E+04	.08	1.699	8.7063E+03	.00	999.000	5.1779E+03	-.05	4.631
1.7290E+04	.07	2.100	8.5966E+03	-.04	4.637	5.1275E+03	-.09	2.026
1.6985E+04	.04	3.486	8.4890E+03	-.02	12.284	5.0778E+03	-.15	1.287
1.6687E+04	.03	4.036	8.3834E+03	.01	21.504	5.0288E+03	-.09	2.253
1.6397E+04	.07	2.246	8.2798E+03	.00	64.620	4.9806E+03	-.03	8.157
1.6068E+04	.08	1.839	8.1612E+03	.06	3.765	4.9330E+03	.07	3.176
1.5794E+04	.05	3.153	8.0617E+03	.05	3.748	4.8784E+03	.01	18.271
1.5527E+04	.08	2.267	7.9639E+03	.07	2.832	4.8323E+03	.01	41.051
1.5266E+04	.09	2.106	7.8680E+03	.08	2.625	4.7869E+03	.01	27.321
1.5012E+04	.06	2.851	7.7737E+03	.00	223.935	4.7421E+03	.09	2.976
1.4765E+04	.05	3.156	7.6811E+03	.03	7.466	4.6979E+03	.16	1.617
1.4523E+04	.11	1.750	7.5902E+03	.06	3.647	4.6543E+03	.15	1.988
1.4288E+04	.14	1.346	7.5009E+03	.02	11.440	4.6113E+03	.13	2.475
1.4058E+04	.13	1.477	7.4131E+03	.00	165.377	4.5690E+03	-.01	19.149
1.3833E+04	.04	3.706	7.3269E+03	-.02	9.080	4.5272E+03	.01	21.159
1.3614E+04	.02	7.543	7.2421E+03	-.02	11.178	4.4860E+03	.06	5.455
1.3400E+04	.03	5.255	7.1589E+03	.00	42.887	4.4453E+03	.09	4.227
1.3157E+04	.04	4.484	7.0635E+03	-.02	10.636	4.4052E+03	.14	2.541
1.2953E+04	.03	5.013	6.9833E+03	-.01	15.586	4.3591E+03	.12	2.821
1.2755E+04	.04	3.659	6.9045E+03	-.07	2.847	4.3201E+03	.09	3.717
1.2561E+04	.04	4.369	6.8269E+03	-.05	4.215	4.2817E+03	.04	6.791
1.2371E+04	.02	6.646	6.7507E+03	-.01	14.165	4.2438E+03	.05	5.715
1.2186E+04	.02	9.608	6.6757E+03	-.01	16.627	4.2063E+03	.09	3.642
1.2004E+04	-.02	7.842	6.6020E+03	-.02	10.762	4.1694E+03	.08	4.051
1.1827E+04	.00	58.003	6.5295E+03	.02	9.457	4.1330E+03	-.01	34.707
1.1654E+04	.00	92.679	6.4582E+03	.01	20.753	4.0970E+03	.01	31.422
1.1484E+04	.01	17.043	6.3881E+03	-.01	17.129	4.0615E+03	.02	12.097
1.1318E+04	-.01	35.398	6.3190E+03	-.01	19.169	4.0265E+03	.01	22.553
1.1129E+04	-.01	24.565	6.2511E+03	-.00	125.573	3.9919E+03	.01	19.314
1.0971E+04	-.03	4.790	6.1733E+03	-.04	5.575	3.9521E+03	.02	12.627
1.0816E+04	-.00	149.021	6.1077E+03	-.04	4.746	3.9184E+03	-.02	10.608
1.0664E+04	.02	7.415	6.0432E+03	-.07	2.938	3.8852E+03	-.02	13.039
1.0515E+04	.00	45.871	5.9797E+03	.02	11.093	3.8525E+03	-.01	34.456
1.0370E+04	-.00	65.608	5.9172E+03	-.05	5.364	3.8201E+03	.03	8.451
1.0228E+04	-.02	7.083	5.8556E+03	-.03	11.193	3.7881E+03	.00	61.648
1.0088E+04	-.03	6.108	5.7950E+03	-.01	17.138	3.7566E+03	-.00	436.815
9.9513E+03	-.03	7.301	5.7354E+03	.12	1.876	3.7254E+03	.01	33.673

E(EV)	S(8)	DS/S	E(EV)	S(8)	DS/S	E(EV)	S(8)	DS/S
3.6946E+03	.01	35.939	2.5949E+03	-.02	20.183	1.9222E+03	-.11	2.267
3.6642E+03	.09	3.427	2.5770E+03	-.06	5.367	1.9088E+03	-.11	2.809
3.6341E+03	.02	12.579	2.5593E+03	-.07	4.100	1.8957E+03	-.04	7.213
3.6045E+03	.01	21.976	2.5417E+03	-.09	3.693	1.8845E+03	-.04	6.747
3.5703E+03	.05	5.879	2.5215E+03	-.03	13.381	1.8734E+03	.05	7.336
3.5414E+03	.06	5.130	2.5044E+03	-.03	11.531	1.8624E+03	.01	53.417
3.5129E+03	.03	10.812	2.4874E+03	-.12	4.329	1.8515E+03	-.02	18.668
3.4847E+03	-.01	45.164	2.4706E+03	-.09	3.610	1.8407E+03	.02	17.303
3.4568E+03	.00	999.000	2.4539E+03	-.07	5.584	1.8300E+03	-.01	62.870
3.4293E+03	.11	2.926	2.4374E+03	-.07	4.726	1.8194E+03	-.01	26.590
3.4021E+03	.07	4.269	2.4211E+03	-.09	3.598	1.8088E+03	-.03	10.942
3.3752E+03	.11	2.654	2.4050E+03	-.08	4.471	1.7984E+03	.02	16.030
3.3487E+03	.08	3.915	2.3890E+03	-.12	2.974	1.7881E+03	.00	104.211
3.3224E+03	.05	5.494	2.3732E+03	-.09	4.320	1.7761E+03	-.04	10.817
3.2965E+03	.10	3.080	2.3575E+03	-.12	2.639	1.7660E+03	-.04	10.241
3.2666E+03	.08	3.993	2.3420E+03	-.09	4.226	1.7559E+03	-.06	6.319
3.2413E+03	.03	8.796	2.3241E+03	-.11	2.942	1.7459E+03	-.07	5.243
3.2163E+03	.01	28.625	2.3089E+03	-.14	2.259	1.7360E+03	-.06	6.113
3.1916E+03	.03	11.549	2.2939E+03	-.16	1.777	1.7262E+03	-.09	4.514
3.1672E+03	-.01	39.334	2.2790E+03	-.15	1.857	1.7165E+03	-.11	3.550
3.1431E+03	-.00	94.091	2.2642E+03	-.07	4.633	1.7068E+03	-.15	2.350
3.1192E+03	.01	24.119	2.2496E+03	-.12	3.987	1.6973E+03	-.12	2.767
3.0956E+03	.03	10.533	2.2351E+03	-.11	3.182	1.6878E+03	-.12	2.672
3.0723E+03	.03	12.621	2.2208E+03	-.10	3.188	1.6784E+03	-.17	2.134
3.0492E+03	.03	9.485	2.2066E+03	-.09	4.350	1.6691E+03	-.13	2.550
3.0264E+03	.05	6.457	2.1926E+03	-.07	6.385	1.6583E+03	-.13	2.071
3.0038E+03	.05	5.639	2.1787E+03	-.10	3.653	1.6491E+03	-.06	6.023
2.9778E+03	.04	7.727	2.1626E+03	-.07	5.595	1.6401E+03	-.04	9.021
2.9558E+03	.04	7.963	2.1490E+03	.01	37.053	1.6311E+03	-.06	5.064
2.9341E+03	-.01	47.448	2.1355E+03	-.01	61.421	1.6221E+03	.01	42.774
2.9125E+03	.01	35.628	2.1221E+03	-.04	8.513	1.6132E+03	.01	22.879
2.8912E+03	-.02	18.269	2.1088E+03	-.08	3.528	1.6045E+03	-.06	5.343
2.8702E+03	-.00	239.565	2.0957E+03	-.09	3.396	1.5957E+03	.03	18.196
2.8493E+03	.02	15.978	2.0827E+03	-.08	4.101	1.5871E+03	-.09	3.243
2.8287E+03	.03	13.975	2.0698E+03	-.06	5.554	1.5785E+03	-.14	1.954
2.8083E+03	.05	7.392	2.0570E+03	-.06	5.898	1.5700E+03	-.05	11.234
2.7882E+03	-.01	60.425	2.0444E+03	-.04	8.817	1.5602E+03	-.06	6.537
2.7682E+03	.00	122.070	2.0319E+03	-.07	4.745	1.5518E+03	-.08	4.702
2.7452E+03	-.04	7.098	2.0194E+03	-.11	2.479	1.5435E+03	-.02	29.713
2.7257E+03	-.02	14.607	2.0051E+03	-.07	4.205	1.5353E+03	-.12	3.876
2.7064E+03	.06	6.929	1.9929E+03	-.08	3.626	1.5272E+03	-.15	2.114
2.6874E+03	.04	10.495	1.9809E+03	-.04	6.917	1.5191E+03	-.12	2.771
2.6685E+03	-.04	7.042	1.9689E+03	-.02	13.024	1.5110E+03	-.05	8.532
2.6498E+03	-.04	9.035	1.9571E+03	-.04	8.507	1.5031E+03	-.01	35.003
2.6313E+03	-.03	12.296	1.9453E+03	-.07	4.775	1.4952E+03	-.02	15.928
2.6130E+03	-.02	15.577	1.9337E+03	-.07	3.763	1.4873E+03	.01	41.318

E(EV)	S(8)	DS/S	E(EV)	S(8)	DS/S	E(EV)	S(8)	DS/S
1.4795E+03	-.01	32.281	1.1748E+03	.01	26.737	9.5749E+02	-.01	42.692
1.4718E+03	.07	5.105	1.1694E+03	.04	9.691	9.5280E+02	.07	4.813
1.4629E+03	.04	9.223	1.1631E+03	.02	23.355	9.4881E+02	.13	2.606
1.4553E+03	.04	8.693	1.1577E+03	.55	1.309	9.4484E+02	.04	7.511
1.4478E+03	.03	12.889	1.1523E+03	-.39	1.500	9.4090E+02	.04	8.231
1.4403E+03	.06	6.600	1.1470E+03	-.53	.837	9.3699E+02	.03	9.515
1.4329E+03	.01	25.398	1.1418E+03	-.14	2.812	9.3309E+02	.08	3.408
1.4255E+03	.03	11.800	1.1365E+03	.06	8.105	9.2923E+02	.12	2.607
1.4182E+03	.14	2.517	1.1313E+03	.07	6.494	9.2538E+02	.18	1.905
1.4110E+03	.06	5.375	1.1262E+03	.03	12.927	9.2156E+02	.12	2.642
1.4038E+03	.11	3.241	1.1210E+03	-.01	56.496	9.1777E+02	.10	3.820
1.3967E+03	.13	2.442	1.1159E+03	.08	4.702	9.1337E+02	.02	15.540
1.3896E+03	.09	3.811	1.1109E+03	.02	19.552	9.0962E+02	.01	33.720
1.3814E+03	.14	2.420	1.1050E+03	.07	6.642	9.0590E+02	.01	27.865
1.3744E+03	.20	1.801	1.1001E+03	.08	4.785	9.0220E+02	.09	3.329
1.3675E+03	.14	2.602	1.0951E+03	-.01	61.805	8.9852E+02	-.00	125.496
1.3607E+03	.17	2.297	1.0902E+03	.06	7.533	8.9487E+02	-.03	11.331
1.3538E+03	.20	1.848	1.0853E+03	.03	13.480	8.9123E+02	.12	3.087
1.3471E+03	.20	1.807	1.0804E+03	.06	8.120	8.8762E+02	.11	2.947
1.3404E+03	.17	2.209	1.0756E+03	.04	10.203	8.8404E+02	.21	1.447
1.3337E+03	.07	4.352	1.0708E+03	.00	120.522	8.8047E+02	-.03	8.993
1.3271E+03	.13	2.834	1.0661E+03	.02	16.833	8.7692E+02	-.03	9.532
1.3206E+03	.13	2.628	1.0614E+03	-.02	23.093	8.7281E+02	.01	55.363
1.3140E+03	.18	1.962	1.0567E+03	-.01	28.432	8.6932E+02	-.00	165.184
1.3076E+03	.11	2.948	1.0520E+03	.00	409.363	8.6584E+02	-.11	2.628
1.3001E+03	.13	2.796	1.0466E+03	-.02	17.378	8.6238E+02	-.09	3.281
1.2937E+03	.11	3.846	1.0420E+03	-.02	18.739	8.5894E+02	-.13	2.070
1.2874E+03	.11	3.754	1.0374E+03	-.05	7.521	8.5553E+02	-.09	3.093
1.2812E+03	.07	5.299	1.0329E+03	-.19	1.299	8.5213E+02	-.04	7.621
1.2749E+03	.08	4.954	1.0284E+03	-.10	3.709	8.4876E+02	-.14	1.779
1.2688E+03	.11	3.591	1.0239E+03	-.01	68.837	8.4540E+02	-.12	2.557
1.2626E+03	.13	3.178	1.0195E+03	.12	4.046	8.4207E+02	-.12	2.321
1.2566E+03	.13	3.504	1.0151E+03	.12	3.451	8.3820E+02	-.14	1.701
1.2505E+03	.09	4.619	1.0107E+03	.36	1.501	8.3491E+02	-.10	2.971
1.2445E+03	.02	16.934	1.0063E+03	.48	.923	8.3163E+02	-.06	6.266
1.2386E+03	-.01	47.518	1.0020E+03	.09	4.589	8.2838E+02	.46	.934
1.2317E+03	.02	19.632	9.9913E+02	.10	2.930	8.2514E+02	.10	3.610
1.2258E+03	.06	5.644	9.9484E+02	.12	2.354	8.2193E+02	.12	2.747
1.2200E+03	.09	4.076	9.9058E+02	.26	1.368	8.1873E+02	-.04	8.857
1.2142E+03	.06	5.388	9.8635E+02	.20	1.807	8.1555E+02	.06	5.975
1.2084E+03	.03	12.786	9.8215E+02	.30	1.117	8.1239E+02	.33	1.096
1.2027E+03	.01	53.859	9.7797E+02	.04	6.828	8.0925E+02	.01	22.138
1.1971E+03	.06	5.501	9.7382E+02	-.01	55.116	8.0560E+02	-.07	3.713
1.1915E+03	.03	13.183	9.6970E+02	.05	5.610	8.0250E+02	-.09	2.769
1.1859E+03	.07	5.262	9.6560E+02	.07	4.332	7.9942E+02	-.06	4.679
1.1803E+03	-.02	19.111	9.6153E+02	-.02	14.524	7.9635E+02	.09	4.284

E(EV)	S(B)	DS/S	E(EV)	S(B)	DS/S	E(EV)	S(B)	DS/S
7.9330E+02	.13	2.555	6.6840E+02	.05	6.748	5.7054E+02	.06	5.646
7.9027E+02	.34	1.226	6.6606E+02	.04	8.211	5.6869E+02	.08	4.402
7.8725E+02	.31	1.182	6.6334E+02	.16	2.173	5.6685E+02	.05	5.779
7.8426E+02	.16	1.981	6.6102E+02	.14	2.481	5.6502E+02	.01	53.269
7.8128E+02	.13	2.862	6.5871E+02	.12	2.583	5.6320E+02	-.02	15.028
7.7831E+02	.08	4.146	6.5642E+02	-.02	18.506	5.6138E+02	.05	7.164
7.7537E+02	.03	10.842	6.5413E+02	-.04	7.267	5.5958E+02	.02	19.045
7.7195E+02	.04	7.409	6.5186E+02	.00	67.750	5.5748E+02	.01	21.823
7.6904E+02	.06	5.097	6.4960E+02	.09	14.884	5.5570E+02	-.00	999.000
7.6614E+02	.00	273.132	6.4736E+02	.14	4.243	5.5392E+02	-.06	5.097
7.6327E+02	.03	9.276	6.4512E+02	.27	1.504	5.5215E+02	-.10	2.470
7.6040E+02	-.00	76.915	6.4290E+02	.08	4.143	5.5039E+02	-.14	1.789
7.5756E+02	-.02	13.388	6.4069E+02	.04	8.788	5.4864E+02	-.10	3.122
7.5473E+02	-.01	24.834	6.3812E+02	.11	3.292	5.4689E+02	.02	13.540
7.5192E+02	.04	6.735	6.3593E+02	.16	2.128	5.4516E+02	.22	1.488
7.4912E+02	-.07	3.924	6.3376E+02	.05	5.800	5.4343E+02	.03	9.963
7.4633E+02	.06	6.020	6.3159E+02	-.06	4.569	5.4171E+02	-.02	14.577
7.4311E+02	.24	2.078	6.2944E+02	.04	7.446	5.4000E+02	-.07	4.742
7.4036E+02	.29	1.236	6.2729E+02	.03	9.710	5.3801E+02	-.06	4.532
7.3762E+02	.10	3.297	6.2516E+02	-.00	193.258	5.3632E+02	-.09	3.341
7.3491E+02	-.04	7.602	6.2304E+02	-.03	10.144	5.3463E+02	-.06	5.249
7.3220E+02	-.01	25.956	6.2093E+02	-.04	8.901	5.3296E+02	-.08	3.639
7.2951E+02	-.07	5.005	6.1883E+02	.01	36.947	5.3129E+02	-.06	4.534
7.2684E+02	-.09	4.072	6.1640E+02	.09	4.803	5.2963E+02	-.16	1.599
7.2418E+02	-.03	10.697	6.1432E+02	.10	4.643	5.2797E+02	-.13	2.199
7.2154E+02	-.04	102.290	6.1225E+02	-.02	18.374	5.2633E+02	-.06	4.859
7.1891E+02	-.08	17.833	6.1019E+02	.03	9.831	5.2469E+02	-.11	2.804
7.1629E+02	-.01	44.080	6.0815E+02	.03	10.943	5.2306E+02	-.13	2.675
7.1326E+02	-.06	4.251	6.0612E+02	.03	13.192	5.2116E+02	-.29	.946
7.1067E+02	.02	14.187	6.0409E+02	.10	3.420	5.1955E+02	-.14	2.119
7.0810E+02	-.06	5.148	6.0208E+02	.16	2.156	5.1794E+02	-.07	3.911
7.0554E+02	-.14	2.094	6.0007E+02	.23	1.568	5.1634E+02	-.07	4.185
7.0300E+02	-.07	3.809	5.9808E+02	.24	1.647	5.1475E+02	-.06	5.024
7.0047E+02	-.09	3.062	5.9576E+02	.23	1.878	5.1316E+02	-.10	2.783
6.9796E+02	-.04	6.870	5.9379E+02	.18	2.227	5.1159E+02	-.03	10.574
6.9545E+02	-.04	10.263	5.9182E+02	.17	2.268	5.1002E+02	-.14	2.062
6.9296E+02	-.01	30.905	5.8987E+02	.35	1.337	5.0845E+02	-.15	1.601
6.9049E+02	-.11	2.497	5.8792E+02	.21	1.828	5.0690E+02	-.12	2.161
6.8762E+02	-.10	2.522	5.8599E+02	.20	1.622	5.0509E+02	-.13	2.124
6.8517E+02	-.09	3.127	5.8406E+02	.30	1.219	5.0355E+02	-.09	3.321
6.8274E+02	-.15	1.684	5.8215E+02	.22	1.568	5.0202E+02	-.14	1.560
6.8031E+02	-.07	4.311	5.8024E+02	.20	1.804	5.0049E+02	-.08	3.641
6.7791E+02	-.09	3.469	5.7835E+02	.12	2.792	4.9897E+02	-.01	23.813
6.7551E+02	-.10	3.349	5.7615E+02	.15	2.281	4.9746E+02	-.10	2.481
6.7313E+02	.02	17.045	5.7427E+02	.22	1.542	4.9595E+02	-.09	2.824
6.7076E+02	.10	3.225	5.7240E+02	.19	2.122	4.9445E+02	-.01	36.364

E(EV)	S(B)	DS/S	E(EV)	S(B)	DS/S	E(EV)	S(B)	DS/S
4.9296E+02	-.13	1.911	4.3000E+02	-.23	.908	3.7838E+02	-.03	9.286
4.9148E+02	-.19	1.237	4.2879E+02	-.20	1.065	3.7739E+02	.02	19.749
4.8975E+02	-.13	1.993	4.2759E+02	-.19	1.032	3.7639E+02	.02	20.876
4.8828E+02	.02	21.558	4.2639E+02	-.16	1.349	3.7540E+02	.05	7.598
4.8682E+02	-.15	1.556	4.2519E+02	-.17	1.632	3.7441E+02	.03	10.502
4.8536E+02	-.16	1.466	4.2400E+02	-.11	2.572	3.7343E+02	.17	2.260
4.8391E+02	-.19	1.101	4.2262E+02	-.03	11.782	3.7245E+02	.15	3.032
4.8246E+02	-.19	1.100	4.2144E+02	-.23	.938	3.7148E+02	.10	3.915
4.8103E+02	-.03	9.436	4.2027E+02	-.25	.952	3.7050E+02	-.08	3.305
4.7959E+02	-.07	3.768	4.1910E+02	-.08	3.658	3.6954E+02	-.05	5.436
4.7817E+02	-.02	18.932	4.1793E+02	-.07	4.499	3.6841E+02	-.02	15.599
4.7675E+02	-.03	10.152	4.1677E+02	-.15	1.877	3.6745E+02	-.06	6.264
4.7510E+02	-.07	4.295	4.1562E+02	-.14	2.207	3.6650E+02	-.04	7.876
4.7370E+02	-.13	1.901	4.1447E+02	-.01	25.479	3.6554E+02	-.10	3.091
4.7230E+02	-.17	1.800	4.1333E+02	-.06	5.405	3.6460E+02	-.21	1.401
4.7091E+02	-.16	1.744	4.1218E+02	-.07	4.327	3.6365E+02	-.11	2.450
4.6952E+02	-.03	10.938	4.1086E+02	-.07	4.006	3.6271E+02	-.07	4.610
4.6814E+02	-.12	2.349	4.0973E+02	-.10	2.680	3.6177E+02	.81	.717
4.6676E+02	.08	4.441	4.0860E+02	-.08	4.082	3.6084E+02	.85	.557
4.6539E+02	.12	3.237	4.0748E+02	-.07	4.569	3.5991E+02	.27	1.463
4.6403E+02	.10	3.404	4.0637E+02	.08	5.033	3.5883E+02	.72	.628
4.6267E+02	-.05	4.808	4.0526E+02	.08	4.060	3.5791E+02	.38	1.118
4.6110E+02	-.13	1.873	4.0415E+02	-.07	4.163	3.5699E+02	.41	.887
4.5976E+02	-.16	1.321	4.0305E+02	-.07	4.091	3.5607E+02	-.08	3.858
4.5842E+02	-.17	1.263	4.0195E+02	.01	21.229	3.5516E+02	-.04	6.841
4.5709E+02	-.15	1.703	4.0085E+02	.01	24.386	3.5425E+02	-.03	12.430
4.5576E+02	-.17	1.160	3.9958E+02	-.02	14.338	3.5335E+02	-.12	3.227
4.5444E+02	-.10	3.080	3.9850E+02	.03	11.670	3.5245E+02	.03	11.089
4.5313E+02	-.16	1.806	3.9742E+02	-.10	2.895	3.5155E+02	-.05	6.313
4.5182E+02	-.14	1.610	3.9635E+02	-.05	5.401	3.5065E+02	.06	5.864
4.5051E+02	-.23	.742	3.9527E+02	-.01	26.839	3.4961E+02	.03	12.913
4.4922E+02	-.21	1.041	3.9421E+02	-.05	6.196	3.4873E+02	.00	76.634
4.4771E+02	-.26	.708	3.9315E+02	-.02	11.617	3.4784E+02	-.07	5.597
4.4642E+02	-.22	.943	3.9209E+02	.02	18.243	3.4696E+02	.10	3.971
4.4514E+02	-.25	.718	3.9104E+02	.10	4.048	3.4609E+02	.10	3.751
4.4387E+02	-.20	1.135	3.8999E+02	.11	3.360	3.4521E+02	-.00	81.585
4.4260E+02	-.23	.823	3.8877E+02	.21	1.787	3.4434E+02	-.04	12.981
4.4134E+02	-.23	.781	3.8773E+02	.09	3.858	3.4348E+02	-.03	14.825
4.4008E+02	-.29	.703	3.8669E+02	-.11	2.526	3.4261E+02	-.02	15.575
4.3883E+02	-.24	.795	3.8566E+02	-.04	7.658	3.4175E+02	.07	5.925
4.3758E+02	-.19	1.069	3.8463E+02	.17	2.259	3.4075E+02	.12	3.066
4.3634E+02	-.17	1.350	3.8361E+02	1.01	.902	3.3990E+02	.11	3.507
4.3489E+02	-.17	1.296	3.8259E+02	.73	.642	3.3905E+02	-.00	519.720
4.3366E+02	-.24	.913	3.8157E+02	.55	.771	3.3820E+02	.04	8.887
4.3244E+02	-.28	.557	3.8056E+02	.09	3.572	3.3736E+02	.13	3.184
4.3122E+02	-.18	1.164	3.7955E+02	.02	14.953	3.3652E+02	.17	2.480

E(EV)	S(B)	DS/S	E(EV)	S(B)	DS/S	E(EV)	S(B)	DS/S
3.3568E+02	.20	2.081	2.9970E+02	.01	22.367	2.6925E+02	.05	6.194
3.3484E+02	.18	2.018	2.9900E+02	.00	85.865	2.6870E+02	.08	3.345
3.3401E+02	.16	2.128	2.9830E+02	-.05	4.767	2.6804E+02	.07	3.406
3.3318E+02	.09	3.948	2.9760E+02	-.01	29.466	2.6750E+02	.08	3.070
3.3222E+02	.11	3.076	2.9690E+02	.01	34.026	2.6684E+02	.09	3.291
3.3140E+02	.08	4.031	2.9621E+02	-.05	5.877	2.6629E+02	.02	11.214
3.3058E+02	.15	2.734	2.9540E+02	-.05	5.276	2.6563E+02	.03	10.991
3.2977E+02	.18	2.306	2.9471E+02	-.07	3.532	2.6509E+02	.06	4.641
3.2895E+02	.16	2.221	2.9402E+02	-.07	3.359	2.6443E+02	-.00	184.430
3.2815E+02	.18	2.254	2.9333E+02	-.07	3.411	2.6378E+02	.01	42.392
3.2734E+02	.20	1.815	2.9264E+02	-.08	2.731	2.6312E+02	-.00	103.594
3.2653E+02	.01	32.183	2.9195E+02	-.08	2.907	2.6258E+02	-.01	15.928
3.2573E+02	.03	10.824	2.9126E+02	-.02	11.179	2.6203E+02	.03	7.681
3.2480E+02	.07	4.784	2.9058E+02	-.04	6.109	2.6138E+02	.12	2.017
3.2401E+02	.07	4.732	2.8989E+02	.07	3.968	2.6084E+02	.09	2.452
3.2322E+02	.01	28.741	2.8921E+02	.64	.759	2.6019E+02	.04	6.042
3.2243E+02	-.02	20.082	2.8852E+02	1.08	.502	2.5965E+02	.16	1.795
3.2164E+02	-.00	795.901	2.8784E+02	.62	.600	2.5911E+02	.17	1.676
3.2086E+02	-.03	11.527	2.8727E+02	.38	.872	2.5846E+02	.17	1.646
3.2008E+02	.04	8.101	2.8659E+02	.35	.994	2.5792E+02	.15	1.644
3.1931E+02	.06	5.188	2.8591E+02	.26	1.232	2.5739E+02	.14	2.013
3.1853E+02	.11	3.272	2.8523E+02	.20	1.475	2.5685E+02	.11	2.095
3.1776E+02	.11	3.047	2.8455E+02	.09	2.999	2.5620E+02	.06	3.353
3.1686E+02	.07	4.219	2.8387E+02	.05	5.632	2.5567E+02	.06	3.590
3.1610E+02	.04	7.532	2.8319E+02	-.02	14.538	2.5513E+02	.04	4.865
3.1533E+02	.04	7.288	2.8251E+02	-.04	5.092	2.5459E+02	.05	4.703
3.1458E+02	.15	2.458	2.8195E+02	.04	5.902	2.5395E+02	.06	3.713
3.1382E+02	.46	.871	2.8128E+02	.06	4.742	2.5342E+02	.09	2.672
3.1306E+02	.06	4.589	2.8060E+02	.12	2.257	2.5288E+02	.06	3.497
3.1231E+02	.02	16.655	2.7993E+02	.25	1.139	2.5235E+02	.07	3.436
3.1156E+02	.03	8.545	2.7937E+02	.58	.689	2.5171E+02	.17	1.572
3.1082E+02	.08	3.641	2.7869E+02	.79	.602	2.5118E+02	.33	.947
3.1007E+02	-.04	6.883	2.7802E+02	.46	.711	2.5065E+02	.31	.931
3.0921E+02	-.04	6.991	2.7735E+02	.27	1.078	2.5012E+02	.17	1.484
3.0847E+02	-.02	15.969	2.7679E+02	.24	1.146	2.4959E+02	.10	2.350
3.0774E+02	-.01	53.562	2.7612E+02	.12	2.237	2.4906E+02	.09	2.984
3.0700E+02	.12	2.732	2.7545E+02	.03	7.534	2.4853E+02	.06	3.885
3.0627E+02	.07	4.485	2.7490E+02	.01	43.156	2.4789E+02	.00	122.296
3.0555E+02	.11	2.986	2.7423E+02	.07	4.105	2.4736E+02	-.02	8.876
3.0482E+02	.19	1.847	2.7357E+02	.13	2.264	2.4684E+02	.06	3.888
3.0410E+02	.21	1.700	2.7301E+02	.23	1.470	2.4631E+02	.11	2.238
3.0338E+02	.19	1.675	2.7234E+02	.22	1.518	2.4578E+02	.14	1.789
3.0267E+02	.00	96.103	2.7179E+02	.15	1.912	2.4526E+02	.08	2.782
3.0183E+02	-.09	3.457	2.7113E+02	.03	8.076	2.4473E+02	.03	7.234
3.0112E+02	-.02	12.190	2.7047E+02	.02	10.071	2.4421E+02	.03	7.586
3.0041E+02	-.03	10.152	2.6992E+02	.05	6.442	2.4368E+02	.03	6.873

E(EV)	S(B)	DS/S	E(EV)	S(B)	DS/S	E(EV)	S(B)	DS/S
2.4316E+02	.04	6.028	2.2078E+02	-.18	.820	2.0128E+02	-.12	1.074
2.4264E+02	.12	2.337	2.2028E+02	-.18	.694	2.0090E+02	-.02	6.823
2.4211E+02	.07	3.648	2.1988E+02	-.09	1.613	2.0052E+02	-.04	3.401
2.4159E+02	.12	1.801	2.1939E+02	-.01	13.134	2.0014E+02	-.08	1.470
2.4107E+02	.19	1.474	2.1889E+02	-.10	1.185	1.9976E+02	-.05	3.191
2.4055E+02	.08	2.826	2.1849E+02	-.15	.890	1.9938E+02	-.10	1.627
2.4003E+02	.06	4.215	2.1800E+02	-.15	.835	1.9900E+02	-.09	2.171
2.3951E+02	.13	2.030	2.1760E+02	-.14	.986	1.9863E+02	-.01	16.414
2.3899E+02	.22	1.250	2.1720E+02	-.07	2.255	1.9825E+02	-.08	1.958
2.3847E+02	.24	1.126	2.1671E+02	-.08	1.731	1.9787E+02	-.13	1.151
2.3796E+02	.19	1.413	2.1631E+02	-.07	2.088	1.9749E+02	-.15	1.323
2.3754E+02	.20	1.284	2.1582E+02	-.10	1.443	1.9711E+02	-.17	1.184
2.3702E+02	.20	1.232	2.1543E+02	-.10	1.938	1.9674E+02	-.11	2.285
2.3651E+02	.20	1.413	2.1494E+02	-.12	1.285	1.9636E+02	-.15	1.555
2.3599E+02	.24	1.319	2.1454E+02	-.18	.663	1.9598E+02	-.11	2.249
2.3548E+02	.28	1.014	2.1405E+02	-.18	.702	1.9561E+02	-.16	1.287
2.3496E+02	.23	1.067	2.1366E+02	-.13	1.043	1.9523E+02	-.03	5.270
2.3445E+02	.10	2.213	2.1327E+02	-.08	1.991	1.9486E+02	-.05	3.657
2.3404E+02	.09	2.913	2.1278E+02	-.06	2.840	1.9448E+02	.06	4.550
2.3352E+02	.16	1.637	2.1239E+02	-.11	1.299	1.9402E+02	.15	1.995
2.3301E+02	.39	.759	2.1199E+02	-.15	.743	1.9374E+02	.12	2.080
2.3250E+02	.35	.734	2.1151E+02	-.12	1.007	1.9336E+02	.09	2.366
2.3199E+02	.28	.959	2.1111E+02	-.12	1.178	1.9299E+02	.08	2.737
2.3158E+02	.29	1.150	2.1063E+02	-.11	1.217	1.9262E+02	.16	1.414
2.3107E+02	.18	1.324	2.1024E+02	-.14	1.018	1.9224E+02	.21	1.102
2.3056E+02	.09	2.397	2.0985E+02	-.15	.992	1.9187E+02	.07	3.079
2.3005E+02	.06	3.870	2.0946E+02	-.04	4.110	1.9150E+02	.06	3.367
2.2964E+02	.13	1.907	2.0898E+02	-.11	1.071	1.9113E+02	.08	2.490
2.2914E+02	.21	1.234	2.0859E+02	-.11	1.374	1.9076E+02	.09	2.050
2.2863E+02	.23	.980	2.0820E+02	-.07	2.276	1.9039E+02	.12	1.905
2.2812E+02	.10	2.045	2.0772E+02	-.12	1.003	1.9002E+02	.07	2.634
2.2772E+02	.09	2.471	2.0733E+02	-.19	.556	1.8974E+02	.04	3.967
2.2721E+02	.08	3.255	2.0694E+02	-.15	.944	1.8928E+02	.03	5.811
2.2670E+02	.15	1.683	2.0656E+02	-.15	.743	1.8891E+02	.13	1.813
2.2630E+02	.04	5.042	2.0607E+02	-.17	.572	1.8854E+02	.04	4.214
2.2580E+02	-.00	41.864	2.0569E+02	-.18	.582	1.8826E+02	.01	12.133
2.2529E+02	-.03	5.616	2.0530E+02	-.16	.715	1.8789E+02	.05	3.576
2.2489E+02	-.07	2.301	2.0492E+02	-.21	.633	1.8753E+02	.07	2.752
2.2439E+02	-.06	2.447	2.0444E+02	-.15	1.833	1.8716E+02	-.00	57.289
2.2398E+02	-.05	2.258	2.0406E+02	.02	12.430	1.8679E+02	-.04	3.103
2.2348E+02	-.03	4.563	2.0367E+02	-.01	15.257	1.8643E+02	.00	80.233
2.2298E+02	.04	5.062	2.0329E+02	-.18	.628	1.8615E+02	.02	11.295
2.2258E+02	-.12	1.424	2.0291E+02	-.20	.553	1.8578E+02	-.05	2.577
2.2208E+02	-.24	.814	2.0243E+02	-.15	.782	1.8542E+02	-.05	2.737
2.2168E+02	-.11	1.898	2.0205E+02	-.10	1.382	1.8505E+02	-.05	2.560
2.2118E+02	-.09	1.894	2.0166E+02	-.13	.860	1.8469E+02	.04	4.503

E(EV)	S(B)	DS/S	E(EV)	S(B)	DS/S	E(EV)	S(B)	DS/S
1.8432E+02	.00	55.393	1.6950E+02	-.06	2.453	1.5622E+02	.72	.390
1.8405E+02	.02	10.948	1.6906E+02	-.10	1.159	1.5597E+02	.35	.610
1.8369E+02	-.00	181.333	1.6880E+02	-.15	.759	1.5572E+02	.34	.604
1.8341E+02	.01	20.537	1.6854E+02	-.20	.409	1.5538E+02	.35	.640
1.8305E+02	-.07	2.168	1.6828E+02	-.19	.543	1.5522E+02	.36	.586
1.8260E+02	-.08	1.915	1.6793E+02	-.12	1.042	1.5497E+02	.23	.873
1.8232E+02	-.10	1.644	1.6758E+02	-.11	1.281	1.5463E+02	.11	1.522
1.8196E+02	-.06	3.499	1.6732E+02	-.05	3.232	1.5438E+02	.04	3.745
1.8169E+02	-.06	3.932	1.6706E+02	-.08	1.744	1.5413E+02	.10	1.637
1.8133E+02	-.01	35.329	1.6672E+02	-.17	.523	1.5380E+02	.11	1.630
1.8097E+02	-.11	1.504	1.6646E+02	-.09	1.596	1.5355E+02	.07	2.126
1.8060E+02	-.05	3.385	1.6611E+02	-.03	7.135	1.5338E+02	-.04	3.595
1.8033E+02	-.02	7.713	1.6585E+02	-.04	4.973	1.5305E+02	-.03	4.589
1.7997E+02	-.01	33.522	1.6550E+02	-.00	61.485	1.5280E+02	.03	4.760
1.7970E+02	.13	1.569	1.6524E+02	-.14	.725	1.5255E+02	-.01	15.244
1.7925E+02	.04	4.420	1.6499E+02	-.14	1.014	1.5230E+02	-.03	4.761
1.7898E+02	-.13	1.031	1.6473E+02	-.12	1.168	1.5197E+02	.01	11.841
1.7862E+02	-.15	.824	1.6438E+02	-.18	.550	1.5181E+02	.03	4.936
1.7836E+02	-.13	1.037	1.6404E+02	-.19	.497	1.5156E+02	-.01	25.569
1.7800E+02	-.08	1.805	1.6378E+02	-.12	.974	1.5123E+02	-.00	999.000
1.7764E+02	-.03	6.364	1.6352E+02	-.09	1.341	1.5098E+02	-.02	8.051
1.7728E+02	-.01	14.550	1.6318E+02	-.15	.751	1.5073E+02	.05	3.015
1.7701E+02	-.01	25.366	1.6292E+02	-.09	1.323	1.5048E+02	.00	33.927
1.7666E+02	.05	4.093	1.6267E+02	-.06	2.384	1.5024E+02	-.06	2.303
1.7639E+02	-.06	3.046	1.6232E+02	-.05	2.345	1.4999E+02	-.04	3.324
1.7603E+02	-.16	.835	1.6207E+02	-.08	1.748	1.4966E+02	-.04	4.579
1.7568E+02	-.09	1.883	1.6181E+02	-.11	.966	1.4950E+02	.00	49.655
1.7541E+02	-.06	3.194	1.6156E+02	-.10	1.077	1.4925E+02	-.02	6.813
1.7505E+02	-.02	9.291	1.6121E+02	-.05	2.632	1.4892E+02	-.06	2.523
1.7479E+02	-.07	2.620	1.6096E+02	.02	6.523	1.4868E+02	-.07	2.119
1.7443E+02	-.05	2.944	1.6070E+02	.10	1.603	1.4851E+02	-.10	1.338
1.7408E+02	-.06	2.382	1.6036E+02	-.07	1.630	1.4819E+02	-.11	1.095
1.7381E+02	-.00	51.673	1.6011E+02	-.08	1.499	1.4794E+02	-.09	1.312
1.7355E+02	-.01	24.251	1.5985E+02	-.06	2.522	1.4778E+02	-.11	.994
1.7310E+02	-.05	3.255	1.5960E+02	-.06	2.384	1.4745E+02	-.12	.936
1.7284E+02	-.11	1.290	1.5926E+02	.09	2.334	1.4721E+02	-.11	1.126
1.7257E+02	-.09	1.542	1.5900E+02	.73	1.053	1.4705E+02	-.09	1.492
1.7222E+02	-.10	1.080	1.5875E+02	3.82	.216	1.4672E+02	-.11	.973
1.7196E+02	-.10	1.116	1.5841E+02	5.43	.236	1.4648E+02	-.11	.997
1.7161E+02	-.07	1.931	1.5816E+02	3.75	.162	1.4623E+02	-.12	.887
1.7125E+02	-.04	4.478	1.5790E+02	2.79	.208	1.4599E+02	-.10	1.186
1.7099E+02	-.05	3.289	1.5765E+02	2.63	.192	1.4574E+02	-.05	2.777
1.7073E+02	-.12	1.055	1.5731E+02	2.29	.211	1.4550E+02	-.12	.998
1.7029E+02	-.13	.902	1.5706E+02	1.18	.270	1.4526E+02	-.13	.937
1.7003E+02	-.06	2.134	1.5681E+02	.78	.396	1.4502E+02	-.12	1.139
1.6976E+02	-.11	.883	1.5647E+02	.55	.501	1.4477E+02	-.08	1.941

E(EV)	S(8)	DS/S	E(EV)	S(8)	DS/S	E(EV)	S(8)	DS/S
1.4453E+02	-.08	1.636	1.3415E+02	-.04	2.725	1.2475E+02	-.02	10.660
1.4429E+02	-.08	1.718	1.3384E+02	-.03	3.915	1.2460E+02	-.02	10.694
1.4405E+02	-.05	3.084	1.3368E+02	-.03	4.944	1.2438E+02	-.11	1.246
1.4381E+02	-.09	1.573	1.3353E+02	-.06	2.427	1.2415E+02	-.12	1.486
1.4365E+02	-.05	2.456	1.3322E+02	-.04	4.897	1.2400E+02	-.18	1.063
1.4332E+02	-.04	3.279	1.3306E+02	-.13	1.397	1.2378E+02	-.18	1.000
1.4308E+02	-.01	18.307	1.3283E+02	-.15	1.272	1.2363E+02	-.16	1.040
1.4292E+02	-.02	7.348	1.3260E+02	-.23	.760	1.2340E+02	-.08	2.381
1.4260E+02	-.04	4.068	1.3244E+02	-.24	.680	1.2326E+02	-.08	2.460
1.4244E+02	-.04	3.690	1.3221E+02	-.18	.898	1.2303E+02	-.12	1.500
1.4220E+02	-.06	1.986	1.3198E+02	-.00	75.512	1.2288E+02	-.13	1.225
1.4196E+02	-.08	1.658	1.3175E+02	.01	17.564	1.2266E+02	-.12	1.188
1.4172E+02	-.08	1.599	1.3159E+02	-.00	999.000	1.2251E+02	-.11	1.408
1.4148E+02	-.06	2.496	1.3136E+02	.02	5.993	1.2229E+02	-.12	1.568
1.4124E+02	-.06	2.279	1.3113E+02	.11	1.580	1.2207E+02	-.16	.974
1.4100E+02	-.07	1.900	1.3098E+02	.01	13.239	1.2192E+02	-.17	.875
1.4076E+02	-.08	1.558	1.3075E+02	.05	3.330	1.2169E+02	-.20	.605
1.4052E+02	-.04	3.515	1.3052E+02	-.02	12.927	1.2155E+02	-.15	1.016
1.4036E+02	-.03	4.937	1.3029E+02	-.04	5.543	1.2132E+02	-.16	.958
1.4005E+02	-.04	3.266	1.3013E+02	-.03	6.274	1.2118E+02	-.11	1.333
1.3989E+02	-.03	4.660	1.2998E+02	.01	21.075	1.2095E+02	-.09	1.877
1.3965E+02	-.03	4.535	1.2967E+02	.02	10.535	1.2081E+02	-.11	1.277
1.3941E+02	-.08	2.112	1.2952E+02	-.02	10.128	1.2066E+02	-.08	1.772
1.3917E+02	-.12	1.499	1.2929E+02	.05	4.045	1.2044E+02	-.08	1.895
1.3894E+02	-.18	.710	1.2914E+02	-.04	4.052	1.2029E+02	-.07	2.147
1.3870E+02	-.10	1.608	1.2891E+02	-.06	3.186	1.2007E+02	-.05	2.920
1.3854E+02	-.07	2.079	1.2868E+02	-.03	6.036	1.1992E+02	-.08	1.995
1.3822E+02	-.16	.799	1.2853E+02	-.00	60.925	1.1970E+02	-.06	2.315
1.3807E+02	-.16	.758	1.2830E+02	.05	4.710	1.1955E+02	-.09	1.522
1.3783E+02	-.07	2.071	1.2807E+02	.06	3.666	1.1933E+02	-.08	1.739
1.3759E+02	-.06	2.354	1.2784E+02	-.02	11.389	1.1919E+02	-.04	3.546
1.3744E+02	-.08	1.667	1.2769E+02	-.04	4.426	1.1897E+02	-.06	2.389
1.3712E+02	-.08	1.648	1.2747E+02	-.05	4.053	1.1882E+02	-.06	2.435
1.3696E+02	-.07	1.975	1.2731E+02	-.03	5.534	1.1860E+02	-.02	7.815
1.3673E+02	-.08	1.680	1.2716E+02	-.02	8.208	1.1845E+02	-.04	4.389
1.3649E+02	-.05	2.479	1.2686E+02	-.06	2.638	1.1824E+02	-.10	1.423
1.3634E+02	-.07	1.830	1.2671E+02	-.10	1.467	1.1809E+02	-.13	1.072
1.3602E+02	-.11	1.131	1.2648E+02	-.09	1.558	1.1794E+02	-.14	.933
1.3586E+02	-.11	1.066	1.2633E+02	-.09	1.837	1.1773E+02	-.06	2.811
1.3563E+02	-.05	2.551	1.2611E+02	-.09	2.253	1.1758E+02	-.08	2.450
1.3540E+02	-.05	2.801	1.2595E+02	-.12	1.424	1.1736E+02	-.07	2.691
1.3524E+02	-.09	1.302	1.2573E+02	-.13	1.005	1.1729E+02	-.06	2.409
1.3493E+02	-.11	.917	1.2550E+02	-.10	1.445	1.1707E+02	-.03	5.182
1.3477E+02	-.11	.949	1.2535E+02	-.11	1.197	1.1693E+02	-.07	2.555
1.3454E+02	-.11	1.206	1.2513E+02	-.09	1.621	1.1671E+02	-.11	1.559
1.3430E+02	-.03	4.032	1.2498E+02	-.06	2.660	1.1656E+02	-.12	1.227

E(EV)	S(B)	DS/S	E(EV)	S(B)	DS/S	E(EV)	S(B)	DS/S
1.1634E+02	-.04	4.102	1.0872E+02	-.12	.876	1.0183E+02	.01	10.276
1.1620E+02	-.12	1.411	1.0865E+02	-.11	.811	1.0169E+02	.07	2.489
1.1598E+02	-.16	1.156	1.0844E+02	-.06	2.492	1.0156E+02	.02	9.846
1.1584E+02	-.23	.757	1.0830E+02	-.06	2.389	1.0142E+02	-.05	2.201
1.1562E+02	-.35	.507	1.0816E+02	.04	4.853	1.0129E+02	.03	4.699
1.1548E+02	-.35	.568	1.0802E+02	-.05	2.654	1.0109E+02	-.02	5.201
1.1533E+02	-.30	.620	1.0781E+02	-.09	1.375	1.0102E+02	-.07	2.159
1.1519E+02	-.31	.610	1.0767E+02	-.07	2.047	1.0082E+02	-.10	.788
1.1497E+02	-.35	.464	1.0753E+02	-.03	5.051	1.0075E+02	-.08	1.628
1.1483E+02	-.31	.504	1.0739E+02	-.07	1.841	1.0055E+02	-.12	.730
1.1461E+02	-.22	.754	1.0719E+02	-.08	1.708	1.0048E+02	-.13	.931
1.1447E+02	-.13	1.280	1.0712E+02	-.07	1.471	1.0028E+02	-.18	.672
1.1425E+02	-.12	1.370	1.0691E+02	-.03	4.067	1.0014E+02	-.18	.772
1.1411E+02	-.09	2.095	1.0677E+02	-.07	1.172	1.0001E+02	-.16	1.116
1.1397E+02	-.07	2.671	1.0663E+02	-.09	1.171	9.9874E+01	-.14	1.541
1.1382E+02	-.13	1.276	1.0649E+02	-.10	1.228	9.9739E+01	-.11	1.395
1.1361E+02	-.17	.840	1.0628E+02	-.10	1.105	9.9605E+01	-.16	1.040
1.1347E+02	-.10	1.556	1.0614E+02	-.12	1.210	9.9471E+01	-.12	1.427
1.1325E+02	-.06	2.264	1.0601E+02	-.18	.805	9.9337E+01	-.07	2.422
1.1311E+02	-.08	1.505	1.0587E+02	-.15	1.051	9.9203E+01	-.11	1.384
1.1297E+02	-.10	1.270	1.0573E+02	-.17	.935	9.9070E+01	-.08	2.023
1.1282E+02	-.04	4.207	1.0545E+02	-.13	1.114	9.8936E+01	-.05	3.226
1.1261E+02	-.03	4.946	1.0532E+02	-.13	1.002	9.8802E+01	-.07	1.848
1.1247E+02	-.04	4.117	1.0525E+02	-.17	.880	9.8602E+01	.11	1.173
1.1232E+02	-.05	2.848	1.0511E+02	-.12	1.405	9.8535E+01	.17	1.319
1.1211E+02	-.08	1.710	1.0497E+02	-.11	1.283	9.8402E+01	.37	.703
1.1197E+02	-.09	1.878	1.0484E+02	-.14	.860	9.8269E+01	.50	.515
1.1182E+02	-.08	2.001	1.0463E+02	-.05	2.698	9.8136E+01	.32	.759
1.1161E+02	-.07	2.523	1.0456E+02	-.02	5.104	9.8003E+01	.22	1.015
1.1147E+02	-.06	2.585	1.0435E+02	.00	53.540	9.7870E+01	.12	1.791
1.1133E+02	-.10	1.742	1.0415E+02	-.04	4.042	9.7670E+01	.03	3.546
1.1119E+02	-.08	1.876	1.0401E+02	-.04	3.811	9.7604E+01	.01	15.184
1.1097E+02	-.09	1.663	1.0387E+02	-.07	1.523	9.7405E+01	.02	4.630
1.1083E+02	-.08	1.989	1.0374E+02	-.09	1.296	9.7339E+01	.06	2.837
1.1069E+02	-.08	1.890	1.0360E+02	-.08	1.538	9.7140E+01	-.04	2.450
1.1055E+02	-.07	2.173	1.0339E+02	-.02	7.339	9.7074E+01	-.04	3.957
1.1034E+02	-.05	3.183	1.0333E+02	-.04	3.661	9.6941E+01	-.04	4.050
1.1020E+02	-.03	6.769	1.0312E+02	-.10	1.292	9.6743E+01	-.08	1.095
1.0999E+02	-.02	7.632	1.0305E+02	-.09	1.449	9.6677E+01	-.08	1.789
1.0992E+02	-.04	3.332	1.0285E+02	-.09	1.707	9.6479E+01	.07	2.068
1.0970E+02	-.02	6.195	1.0271E+02	-.11	1.180	9.6413E+01	.16	1.668
1.0956E+02	-.04	4.065	1.0258E+02	-.10	1.275	9.6281E+01	-.30	.710
1.0935E+02	-.07	1.586	1.0237E+02	-.08	1.076	9.6149E+01	-.42	.534
1.0928E+02	-.04	2.331	1.0230E+02	-.07	1.969	9.6018E+01	-.30	.810
1.0907E+02	-.04	3.787	1.0210E+02	-.07	1.111	9.5886E+01	-.27	.725
1.0893E+02	-.10	1.194	1.0203E+02	-.07	1.421	9.5755E+01	-.28	.734

E(EV)	S(B)	DS/S	E(EV)	S(B)	DS/S	E(EV)	S(8)	DS/S
9.5623E+01	-.15	1.371	8.9929E+01	.07	2.380	8.4719E+01	8.28	.088
9.5492E+01	.06	3.617	8.9802E+01	.09	1.793	8.4657E+01	11.38	.114
9.5360E+01	.05	3.593	8.9675E+01	.10	1.233	8.4533E+01	15.38	.109
9.5229E+01	.02	8.878	8.9611E+01	.09	1.691	8.4410E+01	14.22	.080
9.5098E+01	-.01	13.260	8.9484E+01	.13	1.501	8.4348E+01	12.94	.117
9.4967E+01	-.03	4.626	8.9293E+01	.10	1.099	8.4225E+01	8.49	.123
9.4836E+01	-.04	3.722	8.9230E+01	.09	2.286	8.4102E+01	7.17	.137
9.4706E+01	.06	3.121	8.9103E+01	.02	6.618	8.3978E+01	5.85	.157
9.4575E+01	.10	2.019	8.9039E+01	-.01	21.351	8.3855E+01	3.22	.123
9.4444E+01	.01	7.662	8.8913E+01	-.01	27.770	8.3794E+01	2.70	.192
9.4379E+01	-.01	26.404	8.8723E+01	.02	5.009	8.3671E+01	2.67	.216
9.4183E+01	-.06	2.592	8.8660E+01	.03	5.631	8.3548E+01	2.50	.134
9.4053E+01	-.03	3.093	8.8533E+01	.04	2.628	8.3486E+01	2.43	.221
9.3988E+01	-.05	3.518	8.8470E+01	.04	3.675	8.3364E+01	1.80	.167
9.3792E+01	-.06	1.639	8.8280E+01	.01	11.920	8.3302E+01	1.39	.260
9.3727E+01	-.06	2.442	8.8154E+01	-.01	5.712	8.3180E+01	1.00	.344
9.3597E+01	-.08	2.109	8.8091E+01	-.02	8.123	8.3057E+01	.95	.379
9.3467E+01	-.11	1.663	8.7965E+01	-.01	13.452	8.2935E+01	.67	.438
9.3338E+01	-.00	142.317	8.7839E+01	.02	7.447	8.2813E+01	.45	.415
9.3208E+01	-.23	.721	8.7713E+01	.06	2.989	8.2751E+01	.40	.666
9.3078E+01	-.17	1.050	8.7587E+01	.01	8.615	8.2629E+01	.49	.700
9.2948E+01	-.14	.929	8.7524E+01	.02	8.590	8.2507E+01	.41	.440
9.2884E+01	-.18	.896	8.7399E+01	.02	8.711	8.2446E+01	.34	.654
9.2690E+01	-.08	3.001	8.7273E+01	-.02	3.615	8.2324E+01	.26	.808
9.2560E+01	.03	5.989	8.7211E+01	-.00	34.271	8.2202E+01	.22	.669
9.2496E+01	.02	14.149	8.7022E+01	.01	10.419	8.2141E+01	.20	1.127
9.2302E+01	.47	.422	8.6960E+01	.02	9.087	8.2020E+01	.22	1.021
9.2237E+01	.69	.487	8.6834E+01	-.00	57.686	8.1898E+01	.18	.726
9.2108E+01	1.48	.316	8.6709E+01	-.00	51.080	8.1837E+01	.17	1.135
9.1979E+01	2.15	.239	8.6647E+01	.02	10.259	8.1716E+01	.15	1.345
9.1851E+01	2.19	.231	8.6459E+01	.02	5.786	8.1594E+01	.21	.602
9.1722E+01	1.84	.184	8.6397E+01	.04	4.198	8.1534E+01	.24	.832
9.1658E+01	1.65	.278	8.6272E+01	-.03	6.479	8.1412E+01	.20	.653
9.1465E+01	.95	.251	8.6147E+01	-.08	2.283	8.1352E+01	.13	1.218
9.1401E+01	.89	.319	8.6085E+01	-.11	2.759	8.1231E+01	.09	2.051
9.1272E+01	.65	.456	8.5960E+01	-.13	2.152	8.1109E+01	.13	1.550
9.1080E+01	.37	.463	8.5836E+01	-.11	2.888	8.0988E+01	.12	1.612
9.1016E+01	.28	.912	8.5711E+01	-.19	1.593	8.0867E+01	.17	1.328
9.0887E+01	.32	.693	8.5587E+01	-.12	1.231	8.0747E+01	.12	.962
9.0759E+01	.17	1.221	8.5525E+01	-.06	3.767	8.0686E+01	.12	1.596
9.0631E+01	.19	1.121	8.5400E+01	.06	4.625	8.0566E+01	.15	.886
9.0503E+01	.41	.425	8.5276E+01	.02	6.231	8.0505E+01	.15	1.180
9.0440E+01	.31	.780	8.5214E+01	.03	6.012	8.0385E+01	.14	1.577
9.0248E+01	.08	1.574	8.5090E+01	.15	1.584	8.0265E+01	.10	1.311
9.0184E+01	.02	7.091	8.4966E+01	.90	.396	8.0204E+01	.09	1.870
9.0057E+01	.03	5.606	8.4843E+01	2.13	.246	8.0084E+01	.10	1.883

E(EV)	S(B)	DS/S	E(EV)	S(B)	DS/S	E(EV)	S(B)	DS/S
7.9964E+01	.07	1.573	7.5579E+01	-.29	.429	7.1375E+01	-.03	3.417
7.9904E+01	.04	4.199	7.5463E+01	-.29	.474	7.1318E+01	-.02	8.682
7.9784E+01	.04	3.861	7.5346E+01	-.23	.458	7.1205E+01	-.01	13.034
7.9664E+01	.06	1.765	7.5288E+01	-.21	.703	7.1092E+01	-.02	5.961
7.9604E+01	.04	4.238	7.5171E+01	-.16	.940	7.0978E+01	.00	100.995
7.9484E+01	.10	1.058	7.5055E+01	-.09	1.207	7.0865E+01	.02	6.931
7.9424E+01	.10	1.414	7.4938E+01	-.06	2.531	7.0809E+01	.02	9.913
7.9304E+01	.03	5.053	7.4822E+01	-.11	.876	7.0695E+01	.00	90.297
7.9185E+01	.08	1.435	7.4764E+01	-.10	1.440	7.0639E+01	-.00	83.271
7.9125E+01	.10	1.669	7.4648E+01	-.04	3.376	7.0583E+01	-.01	22.125
7.9005E+01	.06	2.641	7.4532E+01	-.00	36.690	7.0470E+01	-.05	2.862
7.8886E+01	.05	1.848	7.4474E+01	.00	107.795	7.0357E+01	-.03	2.637
7.8826E+01	.05	2.169	7.4358E+01	-.04	2.320	7.0301E+01	-.05	1.931
7.8767E+01	.07	2.079	7.4300E+01	-.02	4.909	7.0244E+01	-.10	1.656
7.8647E+01	.10	1.243	7.4242E+01	-.00	38.641	7.0132E+01	-.03	4.528
7.8588E+01	.10	1.651	7.4126E+01	-.04	5.651	7.0075E+01	-.08	1.580
7.8469E+01	.04	3.957	7.4010E+01	-.07	2.174	7.0019E+01	-.12	1.249
7.8350E+01	-.01	9.961	7.3953E+01	-.09	2.601	6.9907E+01	-.12	1.785
7.8290E+01	-.03	4.604	7.3837E+01	-.21	.600	6.9794E+01	-.18	.702
7.8171E+01	-.08	1.769	7.3779E+01	-.24	.588	6.9738E+01	-.17	.770
7.8053E+01	-.16	.718	7.3722E+01	-.20	1.060	6.9682E+01	-.18	.794
7.7993E+01	-.21	.635	7.3606E+01	-.13	1.867	6.9570E+01	-.19	.581
7.7875E+01	-.22	.609	7.3491E+01	-.16	1.039	6.9514E+01	-.16	.946
7.7756E+01	-.18	.547	7.3433E+01	-.16	1.408	6.9402E+01	-.00	28.154
7.7697E+01	-.17	.828	7.3318E+01	-.14	1.713	6.9346E+01	.01	17.055
7.7579E+01	-.13	1.074	7.3203E+01	-.20	.904	6.9290E+01	-.04	4.277
7.7460E+01	-.05	1.873	7.3088E+01	-.29	.848	6.9178E+01	-.14	1.264
7.7401E+01	-.04	3.257	7.2974E+01	-.27	.765	6.9067E+01	-.05	1.940
7.7283E+01	-.03	3.469	7.2916E+01	-.35	.657	6.9011E+01	-.03	4.492
7.7224E+01	-.01	10.481	7.2801E+01	-.48	.265	6.8955E+01	-.06	2.957
7.7106E+01	.03	5.240	7.2744E+01	-.45	.253	6.8843E+01	-.15	.512
7.6988E+01	-.01	5.506	7.2687E+01	-.41	.394	6.8788E+01	-.14	.683
7.6929E+01	-.03	3.340	7.2572E+01	-.38	.463	6.8732E+01	-.11	1.411
7.6870E+01	-.01	11.420	7.2458E+01	-.30	.346	6.8620E+01	-.09	1.928
7.6752E+01	-.03	3.459	7.2401E+01	-.26	.603	6.8509E+01	-.11	1.000
7.6693E+01	-.04	2.654	7.2286E+01	-.18	.746	6.8398E+01	-.03	6.199
7.6576E+01	-.07	1.887	7.2229E+01	-.16	1.144	6.8287E+01	-.01	12.507
7.6458E+01	-.07	1.379	7.2115E+01	-.13	.970	6.8231E+01	-.03	3.139
7.6399E+01	-.10	1.353	7.2058E+01	-.16	1.130	6.8176E+01	-.06	2.912
7.6282E+01	-.08	2.062	7.1944E+01	-.15	.801	6.8065E+01	-.01	9.577
7.6165E+01	-.03	4.435	7.1887E+01	-.09	1.159	6.8010E+01	-.01	12.603
7.6106E+01	-.04	4.590	7.1830E+01	-.09	1.519	6.7954E+01	-.01	9.076
7.5989E+01	-.12	1.276	7.1716E+01	-.10	1.465	6.7843E+01	-.02	6.871
7.5872E+01	-.12	1.019	7.1602E+01	-.07	1.512	6.7733E+01	.03	4.629
7.5755E+01	-.17	1.019	7.1546E+01	-.04	4.504	6.7622E+01	.08	2.188
7.5638E+01	-.24	.453	7.1432E+01	-.03	2.445	6.7512E+01	.11	1.415

E(EV)	S(B)	DS/S	E(EV)	S(B)	DS/S	E(EV)	S(B)	DS/S
6.7401E+01	.05	3.579	6.3595E+01	-.14	1.189	6.0211E+01	-.01	13.418
6.7291E+01	.07	2.277	6.3488E+01	-.21	.635	6.0159E+01	.02	8.068
6.7236E+01	.07	1.560	6.3381E+01	-.25	.854	6.0107E+01	.02	5.507
6.7181E+01	.08	1.644	6.3274E+01	-.28	.407	6.0055E+01	.02	7.482
6.7071E+01	.07	2.669	6.3220E+01	-.30	.476	5.9951E+01	-.01	8.647
6.6961E+01	.02	6.960	6.3167E+01	-.37	.387	5.9899E+01	-.03	4.079
6.6851E+01	.04	4.127	6.3113E+01	-.42	.363	5.9847E+01	-.08	1.631
6.6741E+01	.05	2.141	6.3007E+01	-.38	.362	5.9795E+01	-.07	1.926
6.6631E+01	.02	7.000	6.2953E+01	-.29	.475	5.9691E+01	-.07	2.251
6.6522E+01	.02	4.203	6.2900E+01	-.30	.520	5.9639E+01	-.15	1.383
6.6467E+01	-.01	7.583	6.2794E+01	-.30	.371	5.9587E+01	-.28	.569
6.6412E+01	-.04	3.971	6.2740E+01	-.22	.635	5.9535E+01	-.33	.490
6.6302E+01	.01	11.195	6.2687E+01	-.11	1.460	5.9432E+01	-.37	.321
6.6248E+01	.01	20.316	6.2634E+01	-.09	1.736	5.9380E+01	-.39	.382
6.6193E+01	-.04	3.875	6.2528E+01	-.08	1.873	5.9328E+01	-.33	.392
6.6084E+01	-.06	1.546	6.2475E+01	-.05	3.166	5.9276E+01	-.26	.609
6.6029E+01	-.07	1.733	6.2421E+01	-.11	1.327	5.9173E+01	-.16	.669
6.5975E+01	-.05	2.454	6.2315E+01	-.00	25.849	5.9121E+01	-.19	.727
6.5920E+01	-.01	11.557	6.2262E+01	.04	3.331	5.9070E+01	-.20	.683
6.5811E+01	.06	3.685	6.2209E+01	.04	3.719	5.9018E+01	-.21	.778
6.5702E+01	.03	3.948	6.2156E+01	-.00	154.801	5.8915E+01	-.26	.525
6.5593E+01	-.01	30.328	6.2050E+01	-.06	1.538	5.8812E+01	-.22	.574
6.5484E+01	-.04	2.951	6.1997E+01	-.05	1.728	5.8760E+01	-.16	1.026
6.5376E+01	-.04	4.484	6.1944E+01	-.02	7.014	5.8709E+01	-.13	1.255
6.5267E+01	.02	5.363	6.1839E+01	-.01	9.278	5.8657E+01	-.16	1.039
6.5213E+01	.01	16.854	6.1786E+01	-.01	12.622	5.8606E+01	-.26	.637
6.5158E+01	-.01	17.827	6.1733E+01	-.03	3.863	5.8503E+01	-.30	.665
6.5050E+01	.08	1.479	6.1680E+01	-.07	1.884	5.8451E+01	-.30	.891
6.4996E+01	.15	1.106	6.1575E+01	-.12	.762	5.8400E+01	-.52	.349
6.4942E+01	.17	1.003	6.1522E+01	-.07	1.784	5.8349E+01	-.57	.312
6.4887E+01	.08	2.062	6.1469E+01	-.04	3.021	5.8246E+01	-.22	.984
6.4779E+01	-.03	5.517	6.1417E+01	-.05	3.095	5.8195E+01	-.11	2.508
6.4725E+01	-.00	27.943	6.1311E+01	-.08	1.722	5.8143E+01	-.09	2.221
6.4671E+01	-.01	16.863	6.1206E+01	-.10	1.165	5.8092E+01	-.08	3.114
6.4563E+01	-.03	5.605	6.1154E+01	-.06	2.336	5.7990E+01	-.12	.888
6.4509E+01	-.04	3.211	6.1049E+01	-.13	.958	5.7939E+01	-.10	1.508
6.4455E+01	-.02	8.727	6.0996E+01	-.16	.676	5.7836E+01	-.10	1.664
6.4347E+01	-.06	1.814	6.0944E+01	-.14	1.042	5.7785E+01	-.13	1.096
6.4293E+01	-.08	1.517	6.0839E+01	-.08	1.322	5.7734E+01	-.12	.826
6.4240E+01	-.08	1.956	6.0786E+01	-.07	1.839	5.7683E+01	-.11	1.125
6.4132E+01	-.05	2.051	6.0734E+01	-.07	2.108	5.7581E+01	.03	4.359
6.4078E+01	-.04	4.900	6.0682E+01	-.05	3.113	5.7530E+01	.07	2.368
6.3970E+01	-.07	1.943	6.0577E+01	-.02	5.347	5.7479E+01	.04	3.069
6.3863E+01	.00	65.347	6.0472E+01	.07	2.217	5.7428E+01	.03	3.737
6.3756E+01	-.11	.971	6.0420E+01	.12	1.750	5.7377E+01	.03	4.779
6.3649E+01	-.11	1.140	6.0316E+01	.03	4.291	5.7276E+01	.01	15.601

E(EV)	S(B)	DS/S	E(EV)	S(B)	DS/S	E(EV)	S(B)	DS/S
5.7225E+01	-.00	57.761	5.4314E+01	-.05	2.387	5.1528E+01	-.04	3.336
5.7174E+01	.01	21.586	5.4265E+01	-.06	1.971	5.1479E+01	-.05	2.627
5.7123E+01	.03	5.732	5.4215E+01	-.08	1.145	5.1431E+01	.02	9.498
5.7022E+01	-.01	8.200	5.4166E+01	-.10	1.038	5.1383E+01	.07	2.273
5.6971E+01	-.01	10.130	5.4067E+01	-.16	.636	5.1335E+01	.02	8.020
5.6870E+01	.02	6.819	5.4017E+01	-.16	.892	5.1287E+01	-.08	2.017
5.6819E+01	.06	2.215	5.3968E+01	-.19	.987	5.1239E+01	-.12	1.428
5.6768E+01	.05	2.466	5.3919E+01	-.24	.730	5.1190E+01	-.13	1.141
5.6717E+01	.02	6.477	5.3869E+01	-.28	.965	5.1142E+01	-.10	1.345
5.6616E+01	-.02	3.650	5.3771E+01	-.31	.353	5.1094E+01	-.05	3.595
5.6566E+01	-.03	3.841	5.3721E+01	-.37	.389	5.1046E+01	-.06	2.467
5.6465E+01	-.04	3.689	5.3623E+01	-.37	.319	5.0998E+01	-.11	1.404
5.6414E+01	-.05	3.598	5.3574E+01	-.31	.551	5.0902E+01	-.18	.567
5.6313E+01	-.08	1.075	5.3475E+01	-.33	.469	5.0854E+01	-.20	.477
5.6263E+01	-.07	1.527	5.3426E+01	-.37	.429	5.0806E+01	-.18	.628
5.6162E+01	-.06	2.242	5.3377E+01	-.32	.564	5.0711E+01	-.19	.558
5.6112E+01	-.09	1.614	5.3328E+01	-.20	.845	5.0663E+01	-.20	.548
5.6062E+01	-.11	1.030	5.3279E+01	-.20	.713	5.0615E+01	-.10	1.487
5.6011E+01	-.09	1.202	5.3230E+01	-.22	.785	5.0520E+01	-.15	1.049
5.5961E+01	-.11	1.114	5.3132E+01	-.29	.324	5.0472E+01	-.17	.701
5.5860E+01	-.14	.699	5.3083E+01	-.30	.432	5.0424E+01	-.15	.959
5.5760E+01	-.08	1.485	5.2985E+01	-.30	.330	5.0376E+01	-.10	1.699
5.5710E+01	-.09	1.304	5.2936E+01	-.31	.364	5.0329E+01	-.10	1.712
5.5660E+01	-.10	1.130	5.2887E+01	-.32	.429	5.0281E+01	-.17	.910
5.5610E+01	-.09	1.122	5.2838E+01	-.30	.476	5.0233E+01	-.20	.712
5.5559E+01	-.07	1.565	5.2790E+01	-.14	1.244	5.0186E+01	-.22	.602
5.5459E+01	-.11	.636	5.2741E+01	.06	5.048	5.0138E+01	-.22	.651
5.5409E+01	-.08	1.352	5.2643E+01	-.15	1.029	5.0091E+01	-.17	1.016
5.5309E+01	-.01	17.998	5.2594E+01	-.22	.578	5.0043E+01	-.11	1.712
5.5259E+01	-.05	2.115	5.2546E+01	-.21	.853	4.9995E+01	-.05	3.283
5.5209E+01	-.05	1.678	5.2448E+01	-.16	.688	4.9948E+01	-.04	4.257
5.5159E+01	-.04	2.704	5.2400E+01	-.18	.668	4.9900E+01	.05	4.643
5.5110E+01	-.05	2.423	5.2302E+01	-.19	.621	4.9853E+01	.09	2.621
5.5010E+01	-.07	1.073	5.2254E+01	-.19	.545	4.9758E+01	-.03	5.117
5.4960E+01	-.05	2.033	5.2205E+01	-.17	.660	4.9711E+01	-.07	2.501
5.4910E+01	-.05	2.018	5.2157E+01	-.15	.880	4.9663E+01	-.14	1.328
5.4860E+01	-.07	1.773	5.2108E+01	-.12	1.200	4.9569E+01	-.14	.797
5.4811E+01	-.05	2.297	5.2060E+01	-.05	3.517	4.9521E+01	-.11	1.320
5.4761E+01	-.02	5.447	5.2011E+01	-.02	5.398	4.9474E+01	-.08	2.059
5.4711E+01	.03	4.282	5.1963E+01	-.02	7.749	4.9380E+01	-.09	1.294
5.4661E+01	.05	2.866	5.1914E+01	-.06	2.304	4.9332E+01	-.12	1.082
5.4562E+01	-.05	1.864	5.1866E+01	-.09	1.635	4.9285E+01	-.11	1.132
5.4512E+01	-.06	1.688	5.1769E+01	-.04	3.017	4.9238E+01	-.11	1.628
5.4463E+01	-.04	3.448	5.1721E+01	-.01	22.376	4.9144E+01	-.13	.855
5.4413E+01	-.03	5.653	5.1624E+01	-.03	3.822	4.9097E+01	-.10	1.263
5.4364E+01	-.04	3.413	5.1576E+01	-.02	9.253	4.9050E+01	-.09	1.719

E(EV)	S(8)	DS/S	E(EV)	S(8)	DS/S	E(EV)	S(8)	DS/S
4.8955E+01	-.17	.728	4.6449E+01	.21	1.157	4.4098E+01	.08	1.902
4.8908E+01	-.23	.599	4.6357E+01	-.01	13.756	4.4053E+01	.07	2.301
4.8861E+01	-.24	.506	4.6312E+01	-.02	7.474	4.4008E+01	.06	3.079
4.8814E+01	-.23	.656	4.6266E+01	.02	7.348	4.3964E+01	.11	2.011
4.8720E+01	-.29	.459	4.6220E+01	.09	2.205	4.3919E+01	.13	1.420
4.8674E+01	-.27	.509	4.6175E+01	.06	2.488	4.3875E+01	.17	.866
4.8627E+01	-.22	.783	4.6129E+01	.04	3.698	4.3830E+01	.16	.931
4.8533E+01	-.09	1.391	4.6083E+01	-.00	61.216	4.3741E+01	.11	1.150
4.8486E+01	-.06	2.422	4.6038E+01	-.03	5.558	4.3697E+01	.12	1.068
4.8439E+01	.04	3.545	4.5992E+01	-.05	2.436	4.3652E+01	.12	1.338
4.8393E+01	.10	1.781	4.5946E+01	-.05	2.326	4.3608E+01	.14	1.459
4.8299E+01	-.01	10.942	4.5901E+01	-.05	3.107	4.3564E+01	.17	1.315
4.8253E+01	-.07	2.075	4.5810E+01	-.04	2.762	4.3519E+01	.15	1.264
4.8206E+01	-.08	1.486	4.5764E+01	-.04	3.259	4.3475E+01	.14	.953
4.8159E+01	-.06	2.511	4.5719E+01	-.03	4.239	4.3431E+01	.15	.797
4.8066E+01	-.06	2.121	4.5674E+01	-.01	22.758	4.3386E+01	.12	1.679
4.8019E+01	-.06	2.290	4.5628E+01	-.04	3.496	4.3298E+01	-.01	9.369
4.7973E+01	-.06	2.541	4.5583E+01	-.04	4.529	4.3254E+01	-.00	421.971
4.7926E+01	-.09	1.834	4.5492E+01	-.02	6.291	4.3209E+01	.01	11.086
4.7833E+01	-.02	5.830	4.5447E+01	-.06	2.274	4.3165E+01	.04	4.150
4.7787E+01	-.01	13.722	4.5401E+01	-.08	1.737	4.3121E+01	.06	3.052
4.7740E+01	.05	4.194	4.5356E+01	-.08	1.671	4.3077E+01	.05	3.644
4.7694E+01	.06	4.292	4.5311E+01	-.05	2.403	4.3033E+01	-.01	19.475
4.7601E+01	.00	74.538	4.5266E+01	-.02	5.116	4.2989E+01	-.04	4.659
4.7555E+01	-.06	3.813	4.5175E+01	-.09	4.282	4.2945E+01	-.06	2.742
4.7508E+01	-.23	.748	4.5130E+01	-.11	.912	4.2901E+01	-.06	2.667
4.7462E+01	-.24	.696	4.5085E+01	-.09	1.334	4.2857E+01	-.04	4.412
4.7416E+01	-.16	.945	4.5040E+01	-.00	49.491	4.2813E+01	-.04	3.449
4.7370E+01	-.16	.814	4.4995E+01	.07	2.548	4.2769E+01	-.03	6.113
4.7323E+01	-.17	1.026	4.4950E+01	.06	3.719	4.2725E+01	.08	3.037
4.7277E+01	-.10	1.836	4.4905E+01	-.02	7.828	4.2681E+01	.16	.943
4.7231E+01	-.08	1.525	4.4860E+01	.00	83.235	4.2637E+01	.14	1.209
4.7185E+01	-.05	2.689	4.4814E+01	.02	8.146	4.2593E+01	-.00	60.677
4.7139E+01	.00	414.412	4.4770E+01	-.06	3.406	4.2549E+01	-.15	1.500
4.7092E+01	.01	20.476	4.4725E+01	-.09	1.538	4.2505E+01	-.18	.989
4.7046E+01	-.01	21.957	4.4680E+01	-.04	3.031	4.2462E+01	-.18	.768
4.7000E+01	-.03	4.565	4.4635E+01	-.02	6.981	4.2418E+01	-.14	1.096
4.6908E+01	.01	21.122	4.4590E+01	-.02	8.382	4.2374E+01	-.07	2.286
4.6862E+01	.03	4.759	4.4500E+01	-.03	4.262	4.2330E+01	-.01	12.601
4.6816E+01	.03	5.205	4.4455E+01	-.09	1.558	4.2286E+01	-.05	3.457
4.6770E+01	-.00	28.991	4.4410E+01	-.03	6.439	4.2243E+01	-.08	2.019
4.6724E+01	-.03	4.177	4.4366E+01	.01	13.246	4.2199E+01	-.06	2.602
4.6632E+01	.01	11.624	4.4321E+01	-.01	18.843	4.2156E+01	-.06	2.129
4.6586E+01	.04	3.260	4.4276E+01	-.04	3.260	4.2112E+01	-.03	3.869
4.6541E+01	.08	1.727	4.4232E+01	-.03	5.004	4.2068E+01	-.02	6.511
4.6495E+01	.14	1.137	4.4142E+01	.04	3.403	4.2025E+01	-.03	4.489

E(EV)	S(B)	DS/S	E(EV)	S(B)	DS/S	E(EV)	S(B)	DS/S
4.1981E+01	-.04	4.340	4.0002E+01	-.23	.808	3.8070E+01	-.24	.561
4.1938E+01	-.02	8.046	3.9959E+01	-.24	.604	3.8029E+01	-.17	1.049
4.1894E+01	.03	18.985	3.9917E+01	-.22	.627	3.7987E+01	-.10	1.576
4.1851E+01	.01	617.446	3.9874E+01	-.22	.544	3.7946E+01	-.11	1.338
4.1807E+01	-.05	62.835	3.9832E+01	-.18	.699	3.7904E+01	-.09	1.562
4.1764E+01	-.08	2.043	3.9790E+01	-.13	1.426	3.7863E+01	-.06	3.377
4.1720E+01	-.09	1.932	3.9747E+01	-.12	1.569	3.7822E+01	-.10	1.957
4.1677E+01	-.09	1.428	3.9705E+01	-.19	.615	3.7780E+01	-.14	1.033
4.1633E+01	-.06	1.972	3.9662E+01	-.21	.555	3.7739E+01	-.13	1.231
4.1590E+01	.02	11.526	3.9620E+01	-.23	.543	3.7698E+01	-.15	1.075
4.1547E+01	.02	7.615	3.9578E+01	-.23	.688	3.7657E+01	-.17	1.075
4.1504E+01	-.00	146.587	3.9535E+01	-.25	.553	3.7615E+01	-.18	.860
4.1460E+01	-.02	10.885	3.9493E+01	-.25	.494	3.7574E+01	-.13	1.626
4.1417E+01	-.01	12.162	3.9451E+01	-.26	.448	3.7533E+01	-.09	2.715
4.1374E+01	.00	107.146	3.9409E+01	-.26	.581	3.7492E+01	-.09	2.371
4.1330E+01	-.03	7.378	3.9367E+01	-.27	.603	3.7451E+01	-.09	2.207
4.1287E+01	-.04	3.662	3.9324E+01	-.30	.355	3.7409E+01	-.09	1.907
4.1244E+01	.01	16.760	3.9282E+01	-.29	.373	3.7368E+01	-.09	1.916
4.1201E+01	.05	3.299	3.9240E+01	-.24	.576	3.7327E+01	-.08	2.109
4.1158E+01	.05	4.647	3.9198E+01	-.23	.680	3.7286E+01	-.09	2.373
4.1115E+01	.05	4.059	3.9156E+01	-.16	1.098	3.7245E+01	-.09	2.359
4.1072E+01	.02	9.044	3.9114E+01	-.13	1.200	3.7204E+01	-.08	1.885
4.1028E+01	-.03	5.562	3.9072E+01	-.17	.962	3.7163E+01	-.04	3.042
4.0986E+01	.03	6.658	3.9030E+01	-.22	.584	3.7122E+01	-.02	8.433
4.0943E+01	.03	7.579	3.8988E+01	-.24	.589	3.7081E+01	-.03	7.420
4.0899E+01	-.02	8.657	3.8946E+01	-.26	.456	3.7040E+01	-.02	9.569
4.0857E+01	-.01	17.265	3.8904E+01	-.25	.448	3.6999E+01	-.03	7.631
4.0813E+01	.05	4.564	3.8862E+01	-.24	.458	3.6959E+01	-.06	3.073
4.0771E+01	.00	60.206	3.8820E+01	-.22	.680	3.6918E+01	-.12	1.770
4.0728E+01	-.02	16.519	3.8778E+01	-.22	.589	3.6877E+01	-.09	2.697
4.0685E+01	-.15	1.581	3.8737E+01	-.22	.577	3.6836E+01	-.08	7.859
4.0642E+01	-.26	.709	3.8695E+01	-.21	.544	3.6795E+01	-.10	10.038
4.0599E+01	-.23	.961	3.8653E+01	-.21	.632	3.6755E+01	-.09	2.024
4.0556E+01	-.08	3.115	3.8611E+01	-.21	.782	3.6714E+01	-.05	4.344
4.0514E+01	-.08	3.029	3.8569E+01	-.21	.651	3.6673E+01	-.02	12.321
4.0471E+01	-.05	3.923	3.8528E+01	-.22	.507	3.6632E+01	.03	11.474
4.0428E+01	-.06	3.308	3.8486E+01	-.24	.510	3.6592E+01	.03	6.842
4.0385E+01	-.19	1.062	3.8444E+01	-.23	.621	3.6551E+01	.03	9.131
4.0343E+01	-.24	.803	3.8403E+01	-.22	.712	3.6510E+01	.12	2.240
4.0300E+01	-.12	1.623	3.8361E+01	-.21	.566	3.6470E+01	.07	3.088
4.0257E+01	-.15	1.634	3.8319E+01	-.22	.520	3.6429E+01	-.10	2.591
4.0215E+01	-.19	1.176	3.8278E+01	-.23	.701	3.6389E+01	-.30	.762
4.0172E+01	-.24	.744	3.8236E+01	-.22	.768	3.6348E+01	-.49	.434
4.0129E+01	-.28	.605	3.8195E+01	-.21	.744	3.6308E+01	-.37	.685
4.0087E+01	-.25	.521	3.8153E+01	-.22	.541	3.6267E+01	-.19	2.074
4.0044E+01	-.23	.623	3.8112E+01	-.25	.486	3.6227E+01	.01	29.134

E(EV)	S(B)	DS/S	E(EV)	S(8)	OS/S	E(EV)	S(8)	DS/S
3.6186E+01	.20	1.738	3.4350E+01	-.15	1.670	3.2562E+01	.08	4.500
3.6146E+01	-.05	6.730	3.4311E+01	-.20	1.389	3.2524E+01	.10	3.482
3.6105E+01	-.22	1.058	3.4271E+01	-.26	.843	3.2485E+01	.04	6.504
3.6065E+01	-.23	1.016	3.4232E+01	-.25	.848	3.2447E+01	.08	3.654
3.6025E+01	-.23	.945	3.4193E+01	-.21	1.370	3.2409E+01	.10	2.704
3.5984E+01	-.19	1.363	3.4153E+01	-.22	1.262	3.2370E+01	.15	2.484
3.5944E+01	-.11	2.194	3.4114E+01	-.25	.959	3.2332E+01	.11	3.012
3.5904E+01	.02	10.634	3.4075E+01	-.24	.955	3.2294E+01	.07	4.617
3.5863E+01	.04	7.265	3.4036E+01	-.21	1.123	3.2256E+01	.01	44.431
3.5823E+01	-.05	6.203	3.3996E+01	-.18	1.229	3.2217E+01	-.00	83.336
3.5783E+01	-.09	2.840	3.3957E+01	-.11	2.745	3.2179E+01	.01	27.217
3.5743E+01	-.08	2.749	3.3918E+01	-.09	3.686	3.2141E+01	.02	13.172
3.5703E+01	-.09	2.542	3.3879E+01	-.05	4.556	3.2103E+01	.03	11.925
3.5662E+01	-.10	2.208	3.3840E+01	.09	2.684	3.2065E+01	.04	7.016
3.5622E+01	-.17	1.408	3.3801E+01	.08	3.881	3.2027E+01	.16	2.421
3.5582E+01	-.27	.668	3.3762E+01	-.10	2.680	3.1989E+01	.18	2.030
3.5542E+01	-.21	.833	3.3723E+01	-.17	1.323	3.1951E+01	.11	2.601
3.5502E+01	.02	13.186	3.3684E+01	-.18	1.414	3.1913E+01	.08	4.140
3.5462E+01	.19	1.863	3.3645E+01	-.22	1.123	3.1875E+01	.10	3.297
3.5422E+01	.05	5.897	3.3606E+01	-.20	1.404	3.1837E+01	.10	3.866
3.5382E+01	-.15	1.484	3.3567E+01	-.26	.835	3.1799E+01	-.01	38.848
3.5342E+01	-.24	.836	3.3528E+01	-.31	.578	3.1761E+01	-.04	6.573
3.5302E+01	-.29	.812	3.3489E+01	-.31	.729	3.1723E+01	-.04	8.196
3.5262E+01	-.34	.683	3.3450E+01	-.31	.762	3.1686E+01	-.05	6.472
3.5222E+01	-.33	.898	3.3411E+01	-.20	1.468	3.1648E+01	-.03	11.548
3.5182E+01	-.37	.885	3.3372E+01	-.10	2.446	3.1610E+01	-.06	8.310
3.5143E+01	-.45	.859	3.3333E+01	-.11	2.317	3.1572E+01	.02	43.600
3.5103E+01	-.92	.417	3.3295E+01	-.16	1.422	3.1534E+01	.03	9.666
3.5063E+01	-1.64	.308	3.3256E+01	-.05	6.772	3.1497E+01	-.03	12.473
3.5023E+01	-1.87	.295	3.3217E+01	.05	6.441	3.1459E+01	.06	6.787
3.4983E+01	-1.88	.280	3.3178E+01	.06	4.446	3.1421E+01	.10	3.034
3.4944E+01	-1.67	.302	3.3140E+01	.05	6.048	3.1384E+01	.17	2.210
3.4904E+01	-1.31	.422	3.3101E+01	.11	3.025	3.1346E+01	.18	2.194
3.4864E+01	-1.10	.513	3.3062E+01	.27	1.321	3.1308E+01	.14	2.865
3.4824E+01	-.94	.468	3.3024E+01	.32	.967	3.1271E+01	.17	2.060
3.4785E+01	-.51	.684	3.2985E+01	.24	1.144	3.1233E+01	.12	3.240
3.4745E+01	-.35	1.087	3.2947E+01	.15	2.171	3.1196E+01	.01	42.666
3.4706E+01	-.08	4.600	3.2908E+01	.12	2.812	3.1158E+01	-.03	12.290
3.4666E+01	.08	4.164	3.2869E+01	.04	8.458	3.1121E+01	.04	9.265
3.4627E+01	.07	3.699	3.2831E+01	.01	23.628	3.1083E+01	.07	6.093
3.4587E+01	-.02	16.584	3.2792E+01	.03	9.503	3.1046E+01	.04	7.877
3.4547E+01	-.10	3.561	3.2754E+01	.11	3.038	3.1008E+01	.03	13.708
3.4508E+01	-.14	2.045	3.2715E+01	.10	3.698	3.0971E+01	.11	4.025
3.4468E+01	-.16	1.536	3.2677E+01	.04	7.437	3.0933E+01	.10	3.851
3.4429E+01	-.14	1.484	3.2639E+01	.03	10.279	3.0896E+01	.08	4.639
3.4390E+01	-.14	1.686	3.2600E+01	.03	9.893	3.0859E+01	.07	5.293

E(EV)	S(B)	DS/S	E(EV)	S(B)	DS/S	E(EV)	S(B)	DS/S
3.0821E+01	.13	3.165	2.9129E+01	.40	1.482	2.7484E+01	.02	29.907
3.0784E+01	.25	1.895	2.9092E+01	.35	1.431	2.7448E+01	-.02	31.591
3.0747E+01	.19	2.101	2.9056E+01	.39	1.171	2.7413E+01	-.13	2.112
3.0709E+01	.09	4.751	2.9020E+01	.39	1.140	2.7378E+01	-.11	4.391
3.0672E+01	.06	6.034	2.8984E+01	.37	1.608	2.7343E+01	-.04	12.510
3.0635E+01	.07	5.838	2.8947E+01	.49	1.277	2.7308E+01	-.16	3.496
3.0598E+01	.03	10.774	2.8911E+01	.57	.967	2.7273E+01	-.06	8.472
3.0561E+01	.02	17.102	2.8875E+01	.42	1.363	2.7237E+01	.10	4.365
3.0524E+01	-.02	19.264	2.8839E+01	.31	1.562	2.7202E+01	.10	5.816
3.0486E+01	-.07	4.972	2.8803E+01	.30	1.732	2.7167E+01	.00	130.514
3.0449E+01	-.06	6.810	2.8767E+01	.30	1.943	2.7132E+01	.07	7.828
3.0412E+01	.01	51.066	2.8731E+01	.31	1.718	2.7097E+01	.04	14.322
3.0375E+01	-.05	10.290	2.8695E+01	.30	1.612	2.7062E+01	-.05	5.478
3.0338E+01	-.08	4.953	2.8659E+01	.29	1.528	2.7027E+01	-.06	10.099
3.0301E+01	-.07	5.574	2.8623E+01	.25	2.139	2.6992E+01	-.07	8.214
3.0264E+01	-.08	4.446	2.8587E+01	.25	2.193	2.6957E+01	-.13	4.366
3.0227E+01	-.09	3.647	2.8551E+01	.23	2.320	2.6923E+01	-.11	4.365
3.0190E+01	-.10	3.890	2.8515E+01	.21	2.265	2.6888E+01	.09	5.895
3.0153E+01	-.04	9.889	2.8479E+01	.20	2.527	2.6853E+01	.04	16.063
3.0116E+01	.12	3.931	2.8443E+01	.34	1.530	2.6818E+01	-.05	14.069
3.0079E+01	.01	28.518	2.8408E+01	.41	1.400	2.6783E+01	-.12	4.818
3.0043E+01	-.07	4.977	2.8372E+01	.44	1.243	2.6749E+01	-.05	15.886
3.0006E+01	-.03	14.866	2.8336E+01	.47	1.070	2.6714E+01	-.14	6.970
2.9969E+01	-.02	19.515	2.8300E+01	.57	1.066	2.6679E+01	.02	33.343
2.9932E+01	-.05	7.726	2.8264E+01	.59	1.052	2.6644E+01	.01	75.606
2.9895E+01	-.09	4.955	2.8229E+01	.36	1.950	2.6610E+01	-.20	2.662
2.9859E+01	-.11	3.141	2.8193E+01	.21	2.133	2.6575E+01	-.24	2.396
2.9822E+01	-.15	2.291	2.8157E+01	.24	1.865	2.6540E+01	-.43	1.190
2.9785E+01	-.11	3.858	2.8121E+01	.26	2.252	2.6506E+01	-.50	1.170
2.9749E+01	-.01	28.978	2.8086E+01	.21	2.655	2.6471E+01	-.30	2.020
2.9712E+01	-.11	4.092	2.8050E+01	.11	5.714	2.6437E+01	-.22	2.989
2.9675E+01	-.06	5.710	2.8015E+01	.03	17.847	2.6402E+01	-.23	2.595
2.9639E+01	-.01	46.521	2.7979E+01	.07	7.631	2.6367E+01	-.32	1.784
2.9602E+01	-.05	11.570	2.7944E+01	.15	3.549	2.6333E+01	-.37	1.783
2.9566E+01	-.05	9.774	2.7908E+01	.11	4.518	2.6298E+01	-.40	1.425
2.9529E+01	-.28	1.720	2.7873E+01	.12	3.967	2.6264E+01	-.36	1.495
2.9492E+01	-.43	.929	2.7837E+01	.23	2.419	2.6230E+01	-.35	1.497
2.9456E+01	-.35	1.396	2.7802E+01	.34	1.815	2.6195E+01	-.40	1.524
2.9419E+01	-.31	1.469	2.7766E+01	.24	2.207	2.6161E+01	-.37	1.800
2.9383E+01	-.32	1.207	2.7731E+01	.14	4.585	2.6126E+01	-.44	1.412
2.9347E+01	-.28	1.494	2.7695E+01	.07	6.883	2.6092E+01	-.50	1.011
2.9310E+01	-.18	2.614	2.7660E+01	.03	16.942	2.6058E+01	-.58	.930
2.9274E+01	-.01	54.512	2.7625E+01	-.10	5.601	2.6023E+01	-.48	1.408
2.9237E+01	.07	6.623	2.7589E+01	-.00	127.033	2.5989E+01	.01	118.915
2.9201E+01	.29	1.535	2.7554E+01	-.11	3.310	2.5955E+01	.32	13.364
2.9165E+01	.43	1.407	2.7519E+01	-.17	2.947	2.5921E+01	.48	1.424

E(EV)	S(B)	DS/S	E(EV)	S(B)	DS/S	E(EV)	S(B)	DS/S
2.5886E+01	.38	1.983	2.4337E+01	-.37	2.471	2.2835E+01	-.77	2.303
2.5852E+01	.25	3.236	2.4304E+01	-.52	1.841	2.2803E+01	-.24	6.730
2.5818E+01	.20	3.799	2.4271E+01	-.58	1.614	2.2771E+01	-1.58	.889
2.5784E+01	.21	3.119	2.4238E+01	-.59	1.301	2.2739E+01	-1.90	1.056
2.5750E+01	.25	2.641	2.4205E+01	-.60	1.228	2.2707E+01	-1.66	.864
2.5716E+01	.18	4.525	2.4171E+01	-.63	1.532	2.2675E+01	-1.26	1.112
2.5682E+01	.06	11.950	2.4138E+01	-.82	1.192	2.2643E+01	-1.29	.918
2.5648E+01	-.02	25.507	2.4105E+01	-.93	1.008	2.2611E+01	-1.31	.992
2.5614E+01	.07	9.741	2.4072E+01	-.96	.894	2.2579E+01	-1.27	1.020
2.5580E+01	.07	10.400	2.4039E+01	-.98	.846	2.2547E+01	-1.04	1.350
2.5545E+01	.04	22.424	2.4006E+01	-.98	.880	2.2515E+01	-1.19	1.211
2.5511E+01	.01	58.246	2.3973E+01	-.93	.926	2.2483E+01	-1.37	1.092
2.5478E+01	-.13	3.687	2.3941E+01	-.90	.887	2.2452E+01	-1.44	.926
2.5444E+01	-.21	3.093	2.3908E+01	-.83	1.266	2.2420E+01	-1.35	.981
2.5410E+01	-.16	4.981	2.3875E+01	-.79	1.316	2.2388E+01	-1.50	.940
2.5376E+01	-.35	1.798	2.3842E+01	-.82	1.115	2.2356E+01	-1.72	.722
2.5342E+01	-.54	1.006	2.3809E+01	-.56	2.836	2.2324E+01	-1.80	.631
2.5308E+01	-.57	1.060	2.3777E+01	-.58	1.739	2.2293E+01	-1.58	.845
2.5274E+01	-.50	1.375	2.3744E+01	-.88	1.073	2.2261E+01	-1.25	1.169
2.5241E+01	-.38	2.100	2.3711E+01	-.99	1.088	2.2229E+01	-1.34	1.221
2.5207E+01	-.41	1.949	2.3678E+01	-1.17	.756	2.2197E+01	-1.71	.885
2.5173E+01	-.53	1.243	2.3645E+01	-1.22	.723	2.2166E+01	-1.84	.773
2.5139E+01	-.65	.908	2.3613E+01	-1.33	.627	2.2134E+01	-1.88	.854
2.5106E+01	-.72	.976	2.3580E+01	-1.28	.745	2.2102E+01	-1.92	.821
2.5072E+01	-.82	.927	2.3548E+01	-1.15	.834	2.2071E+01	-1.95	.742
2.5038E+01	-.87	.752	2.3515E+01	-1.21	.683	2.2039E+01	-1.97	.766
2.5005E+01	-.82	.990	2.3482E+01	-1.33	.668	2.2008E+01	-1.98	.694
2.4971E+01	-.86	.890	2.3450E+01	-1.40	.647	2.1976E+01	-2.00	.712
2.4938E+01	-.83	1.012	2.3417E+01	-1.60	.666	2.1945E+01	-2.00	.835
2.4904E+01	-.82	.909	2.3385E+01	-1.81	.607	2.1913E+01	-1.61	.961
2.4870E+01	-.76	1.704	2.3352E+01	-1.86	.579	2.1882E+01	-1.48	1.140
2.4837E+01	-.53	1.405	2.3320E+01	-1.76	.557	2.1850E+01	-1.67	.951
2.4803E+01	-.12	7.526	2.3287E+01	-1.52	.665	2.1819E+01	-2.06	.776
2.4770E+01	-.75	1.167	2.3255E+01	-1.38	.799	2.1788E+01	-2.14	.831
2.4737E+01	-1.12	.681	2.3222E+01	-1.11	.936	2.1756E+01	-1.91	.848
2.4703E+01	-1.00	.673	2.3190E+01	-.96	1.185	2.1725E+01	-1.42	1.434
2.4670E+01	-.78	1.187	2.3158E+01	-.95	1.134	2.1694E+01	-1.40	1.266
2.4636E+01	-.60	1.504	2.3125E+01	-1.06	1.112	2.1662E+01	-1.83	1.027
2.4603E+01	-.54	1.393	2.3093E+01	-1.14	1.121	2.1631E+01	-2.18	.773
2.4570E+01	-.41	1.762	2.3061E+01	-1.20	.857	2.1600E+01	-2.60	.567
2.4536E+01	-.44	1.847	2.3029E+01	-1.19	.979	2.1568E+01	-3.29	.507
2.4503E+01	-.59	1.427	2.2996E+01	-1.30	.946	2.1537E+01	-3.79	.481
2.4470E+01	-.48	1.730	2.2964E+01	-1.63	.751	2.1506E+01	-4.03	.499
2.4437E+01	-.04	23.178	2.2932E+01	-1.95	.605	2.1475E+01	-4.06	.454
2.4403E+01	-.26	1.388	2.2900E+01	-2.61	.654	2.1444E+01	-4.05	.439
2.4370E+01	-.36	2.177	2.2867E+01	-2.59	.563	2.1413E+01	-4.08	.405

E(EV)	S(B)	DS/S	E(EV)	S(B)	DS/S	E(EV)	S(B)	DS/S
2.1382E+01	-4.11	.465	2.0887E+01	-2.83	.753	2.0398E+01	-3.64	.785
2.1351E+01	-4.13	.500	2.0856E+01	-2.21	1.194	2.0368E+01	-3.36	.901
2.1319E+01	-4.14	.432	2.0826E+01	-2.03	1.287	2.0338E+01	-3.02	.933
2.1288E+01	-4.17	.474	2.0795E+01	-2.39	1.169	2.0308E+01	-2.40	1.267
2.1257E+01	-4.18	.496	2.0764E+01	-2.07	1.279	2.0277E+01	-1.82	1.639
2.1226E+01	-4.20	.466	2.0734E+01	-1.72	1.722	2.0247E+01	-1.51	2.330
2.1196E+01	-4.22	.428	2.0703E+01	-1.66	1.710	2.0217E+01	-2.47	1.327
2.1164E+01	-4.21	.455	2.0673E+01	-2.05	1.369	2.0187E+01	-3.43	.815
2.1134E+01	-4.17	.437	2.0642E+01	-1.96	1.545	2.0156E+01	-3.13	1.084
2.1103E+01	-3.97	.520	2.0611E+01	-2.05	1.288	2.0126E+01	-3.11	1.129
2.1072E+01	-3.86	.649	2.0581E+01	-2.85	.981	2.0096E+01	-3.55	.933
2.1041E+01	-4.11	.524	2.0551E+01	-3.23	.848	2.0066E+01	-3.94	.782
2.1010E+01	-4.09	.513	2.0520E+01	-3.25	.828	2.0036E+01	-4.43	.719
2.0979E+01	-3.87	.539	2.0490E+01	-3.34	.868	2.0006E+01	-4.91	.717
2.0949E+01	-3.77	.639	2.0459E+01	-3.49	.788	0.	-0.00	0.000
2.0918E+01	-3.49	.680	2.0429E+01	-3.60	.636	0.	-0.00	0.000

APPENDIX IV

FISSION CROSS SECTION OF 247CM

E(EV)	S(8)	DS/S	E(EV)	S(8)	DS/S	E(EV)	S(8)	DS/S
1.9078E+06	2.85	.248	2.0399E+05	2.41	.106	5.6368E+04	2.02	.136
1.7411E+06	3.04	.228	1.9789E+05	2.12	.130	5.4598E+04	1.90	.147
1.5507E+06	3.12	.214	1.9206E+05	2.19	.120	5.2637E+04	2.13	.146
1.4671E+06	3.06	.247	1.8648E+05	1.92	.119	5.1039E+04	2.04	.143
1.3189E+06	2.86	.265	1.8114E+05	2.04	.128	4.9512E+04	2.05	.214
1.2530E+06	2.71	.322	1.7438E+05	1.96	.150	4.8053E+04	2.26	.226
1.1353E+06	2.38	.344	1.7114E+05	2.12	.121	4.6658E+04	2.62	.134
1.0826E+06	2.62	.364	1.6492E+05	2.00	.132	4.5322E+04	2.31	.242
9.8764E+05	2.73	.299	1.6193E+05	2.15	.131	4.4043E+04	2.13	.149
9.4477E+05	2.49	.274	1.5621E+05	1.97	.137	4.2817E+04	2.31	.152
8.6699E+05	2.56	.366	1.5346E+05	2.32	.128	4.1451E+04	2.23	.162
8.1479E+05	2.56	.271	1.4817E+05	1.98	.139	4.0331E+04	1.73	.342
7.6717E+05	2.20	.365	1.4563E+05	1.85	.154	3.9256E+04	1.91	.245
7.2360E+05	1.88	.301	1.4074E+05	2.41	.131	3.8224E+04	2.12	.244
6.8365E+05	2.24	.189	1.3838E+05	2.23	.123	3.7231E+04	2.14	.303
6.4691E+05	1.71	.251	1.3385E+05	2.30	.178	3.6277E+04	2.08	.378
6.1306E+05	2.14	.164	1.3059E+05	2.23	.165	3.5359E+04	1.98	.322
5.8179E+05	2.00	.213	1.2745E+05	2.46	.119	3.4476E+04	2.62	.369
5.4370E+05	2.16	.141	1.2443E+05	2.32	.139	3.3486E+04	2.08	.265
5.2604E+05	1.85	.136	1.2151E+05	2.48	.126	3.2671E+04	1.97	.171
4.9320E+05	1.84	.139	1.1869E+05	2.44	.134	3.1886E+04	1.81	.174
4.7793E+05	2.06	.119	1.1508E+05	2.04	.154	3.1129E+04	1.84	.291
4.4943E+05	1.97	.113	1.1334E+05	2.27	.143	3.0398E+04	1.89	.189
4.3613E+05	1.91	.114	1.0997E+05	2.16	.141	2.9693E+04	2.06	.177
4.1124E+05	2.00	.103	1.0834E+05	2.27	.136	2.9012E+04	2.01	.187
3.9958E+05	2.20	.134	1.0519E+05	2.23	.140	2.8354E+04	2.06	.185
3.7771E+05	2.08	.105	1.0367E+05	2.60	.149	2.7615E+04	2.24	.165
3.6247E+05	2.12	.104	1.0072E+05	1.97	.165	2.7003E+04	2.18	.167
3.4813E+05	2.02	.119	9.9291E+04	1.91	.134	2.6412E+04	2.27	.206
3.3462E+05	2.10	.104	9.5185E+04	1.69	.138	2.5841E+04	1.89	.181
3.2189E+05	2.49	.103	9.0709E+04	1.71	.156	2.5287E+04	1.80	.253
3.0986E+05	1.99	.111	8.7118E+04	2.05	.152	2.4751E+04	2.35	.149
2.9486E+05	2.20	.104	8.3737E+04	2.21	.140	2.4232E+04	2.10	.161
2.8776E+05	2.21	.106	8.0549E+04	2.25	.122	2.3729E+04	2.04	.180
2.7431E+05	2.03	.150	7.7540E+04	1.98	.141	2.3162E+04	1.98	.236
2.6793E+05	2.58	.098	7.4696E+04	2.17	.121	2.2692E+04	1.90	.395
2.5584E+05	2.27	.103	7.2006E+04	1.88	.152	2.2236E+04	1.76	.212
2.5009E+05	2.13	.118	6.9459E+04	1.93	.181	2.1794E+04	1.84	.214
2.3917E+05	2.35	.101	6.6654E+04	2.08	.126	2.1365E+04	2.08	.314
2.3397E+05	2.25	.155	6.4383E+04	2.05	.147	2.0948E+04	2.32	.181
2.2408E+05	2.67	.095	6.2226E+04	1.96	.128	2.0543E+04	2.25	.176
2.1936E+05	2.37	.108	6.0176E+04	2.00	.132	2.0150E+04	2.15	.215
2.1037E+05	2.26	.115	5.8225E+04	2.02	.161	1.9706E+04	2.30	.180

E(EV)	S(B)	DS/S	E(EV)	S(B)	DS/S	E(EV)	S(B)	DS/S
1.9337E+04	2.34	.207	9.2933E+03	2.62	.239	5.4519E+03	2.70	.246
1.8978E+04	2.69	.340	9.1732E+03	2.64	.257	5.3979E+03	3.10	.264
1.8628E+04	1.88	.209	9.0554E+03	2.90	.252	5.3358E+03	4.36	.337
1.8289E+04	1.82	.235	8.9398E+03	1.89	.344	5.2834E+03	3.12	.289
1.7959E+04	1.77	.227	8.8265E+03	2.49	.282	5.2318E+03	2.77	.315
1.7637E+04	2.41	.258	8.7153E+03	2.10	.310	5.1809E+03	2.78	.225
1.7324E+04	2.21	.197	8.6062E+03	2.83	.251	5.1308E+03	2.59	.223
1.6969E+04	2.25	.200	8.4991E+03	2.18	.260	5.0814E+03	3.65	.513
1.6674E+04	1.85	.464	8.3767E+03	2.65	.252	5.0328E+03	3.51	.184
1.6386E+04	1.71	.238	8.2738E+03	2.88	.219	4.9848E+03	3.08	.213
1.6106E+04	2.34	.198	8.1729E+03	3.86	.375	4.9297E+03	1.94	.479
1.5833E+04	2.19	.216	8.0737E+03	3.06	.238	4.8831E+03	3.09	.231
1.5566E+04	2.30	.291	7.9764E+03	1.99	.574	4.8373E+03	2.62	.257
1.5307E+04	2.37	.306	7.8808E+03	2.96	.199	4.7921E+03	3.03	.364
1.5053E+04	2.79	.188	7.7870E+03	2.53	.237	4.7475E+03	3.19	.424
1.4766E+04	2.22	.207	7.6948E+03	3.08	.232	4.7035E+03	3.44	.222
1.4526E+04	2.39	.271	7.5893E+03	3.73	.325	4.6601E+03	3.23	.300
1.4292E+04	2.06	.257	7.5005E+03	2.89	.239	4.6103E+03	2.81	.276
1.4063E+04	2.58	.296	7.4134E+03	2.32	.237	4.5682E+03	4.40	.206
1.3840E+04	2.39	.223	7.3277E+03	3.02	.240	4.5267E+03	2.48	.334
1.3622E+04	2.68	.313	7.2435E+03	2.31	.217	4.4858E+03	3.58	.246
1.3409E+04	2.38	.202	7.1608E+03	2.74	.211	4.4454E+03	3.30	.581
1.3201E+04	2.30	.222	7.0795E+03	2.43	.440	4.4055E+03	4.06	.285
1.2965E+04	1.99	.231	6.9995E+03	2.46	.254	4.3662E+03	3.62	.236
1.2767E+04	2.52	.242	6.9079E+03	1.78	.577	4.3274E+03	5.57	.325
1.2574E+04	2.74	.200	6.8308E+03	3.02	.252	4.2828E+03	4.64	.209
1.2386E+04	2.91	.178	6.7550E+03	3.84	.205	4.2451E+03	3.41	.234
1.2201E+04	3.11	.224	6.6805E+03	2.46	.260	4.2080E+03	3.94	.225
1.2021E+04	2.12	.246	6.6072E+03	3.22	.209	4.1713E+03	5.30	.186
1.1844E+04	2.46	.204	6.5351E+03	3.69	.245	4.1350E+03	3.26	.255
1.1671E+04	2.69	.218	6.4642E+03	3.97	.302	4.0993E+03	3.92	.211
1.1475E+04	2.88	.319	6.3944E+03	3.34	.299	4.0640E+03	5.37	.760
1.1310E+04	1.88	.417	6.3144E+03	3.57	.339	4.0291E+03	3.66	.238
1.1149E+04	1.88	.268	6.2470E+03	2.77	.319	3.9891E+03	4.07	.232
1.0991E+04	2.32	.199	6.1807E+03	3.08	.273	3.9552E+03	4.58	.221
1.0837E+04	3.00	.234	6.1154E+03	3.28	.199	3.9217E+03	3.15	.283
1.0686E+04	2.24	.233	6.0512E+03	3.62	.193	3.8887E+03	2.37	.337
1.0538E+04	2.86	.239	5.9880E+03	3.43	.238	3.8561E+03	4.21	.378
1.0393E+04	3.31	.257	5.9257E+03	4.19	.259	3.8239E+03	3.29	.260
1.0228E+04	3.04	.189	5.8645E+03	3.76	.296	3.7921E+03	4.16	.323
1.0089E+04	2.90	.334	5.7942E+03	3.56	.332	3.7607E+03	4.54	.320
9.9532E+03	2.97	.276	5.7350E+03	3.37	.226	3.7245E+03	4.26	.239
9.8201E+03	2.33	.244	5.6766E+03	2.41	.288	3.6939E+03	3.75	.225
9.6896E+03	2.77	.266	5.6192E+03	3.47	.329	3.6637E+03	3.14	.256
9.5618E+03	2.85	.237	5.5626E+03	2.77	.239	3.6339E+03	3.32	.262
9.4364E+03	2.23	.281	5.5068E+03	2.92	.222	3.6044E+03	3.53	.250

E(EV)	S(B)	DS/S	E(EV)	S(B)	DS/S	E(EV)	S(B)	DS/S
3.5753E+03	2.81	.305	2.5241E+03	5.79	.199	1.8748E+03	8.95	.263
3.5466E+03	3.61	.279	2.5071E+03	4.82	.512	1.8639E+03	7.45	.203
3.5182E+03	3.39	.299	2.4902E+03	7.38	.187	1.8531E+03	8.55	.177
3.4854E+03	3.23	.328	2.4734E+03	4.92	.338	1.8406E+03	7.83	.230
3.4578E+03	5.29	.335	2.4541E+03	4.01	.269	1.8299E+03	5.77	.199
3.4304E+03	3.39	.284	2.4378E+03	8.63	.448	1.8194E+03	5.92	.274
3.4034E+03	3.44	.330	2.4216E+03	4.43	.250	1.8089E+03	5.77	.204
3.3767E+03	4.16	.239	2.4055E+03	5.30	.426	1.7986E+03	5.42	.212
3.3503E+03	4.13	.215	2.3896E+03	7.29	.277	1.7883E+03	4.01	.267
3.3242E+03	4.47	.220	2.3739E+03	5.29	.216	1.7781E+03	3.49	.300
3.2984E+03	4.00	.238	2.3583E+03	6.76	.189	1.7680E+03	6.22	.224
3.2687E+03	3.50	.261	2.3429E+03	4.27	.262	1.7563E+03	6.11	.332
3.2436E+03	3.75	.252	2.3251E+03	5.66	.209	1.7464E+03	4.05	.282
3.2187E+03	3.45	.449	2.3100E+03	4.92	.430	1.7366E+03	3.01	.383
3.1941E+03	2.51	.319	2.2951E+03	7.64	.456	1.7268E+03	5.30	.280
3.1698E+03	2.62	.338	2.2803E+03	4.79	.371	1.7172E+03	4.60	.359
3.1458E+03	2.86	.317	2.2656E+03	3.73	.253	1.7076E+03	3.62	.280
3.1221E+03	4.11	.285	2.2511E+03	3.25	.326	1.6981E+03	7.07	.350
3.0986E+03	3.99	.254	2.2367E+03	4.67	.213	1.6886E+03	3.70	.245
3.0716E+03	3.70	.465	2.2224E+03	5.46	.194	1.6777E+03	6.48	.231
3.0486E+03	3.21	.289	2.2060E+03	6.92	.170	1.6685E+03	4.53	.257
3.0260E+03	2.75	.304	2.1921E+03	5.72	.245	1.6593E+03	4.12	.427
3.0036E+03	3.60	.246	2.1782E+03	4.77	.265	1.6502E+03	5.21	.354
2.9814E+03	6.39	.610	2.1645E+03	5.12	.236	1.6412E+03	4.10	.259
2.9595E+03	5.47	.229	2.1510E+03	4.65	.453	1.6322E+03	5.95	.472
2.9379E+03	4.21	.240	2.1376E+03	3.92	.289	1.6233E+03	3.78	.312
2.9129E+03	3.91	.248	2.1242E+03	3.58	.285	1.6145E+03	2.92	.363
2.8917E+03	4.84	.206	2.1111E+03	4.79	.280	1.6043E+03	3.64	.321
2.8708E+03	4.76	.210	2.0958E+03	6.11	.201	1.5957E+03	4.95	.272
2.8501E+03	4.22	.288	2.0829E+03	9.00	.298	1.5871E+03	3.68	.313
2.8296E+03	3.30	.278	2.0701E+03	6.18	.207	1.5786E+03	5.20	.389
2.8094E+03	3.30	.291	2.0574E+03	5.74	.459	1.5701E+03	4.65	.551
2.7893E+03	3.45	.268	2.0448E+03	7.89	.174	1.5617E+03	4.32	.341
2.7695E+03	4.44	.216	2.0324E+03	4.14	.331	1.5534E+03	6.03	.341
2.7466E+03	4.36	.290	2.0201E+03	7.05	.213	1.5452E+03	4.86	.247
2.7272E+03	5.64	.242	2.0058E+03	6.49	.363	1.5356E+03	6.47	.353
2.7081E+03	3.57	.273	1.9937E+03	6.31	.280	1.5275E+03	6.22	.206
2.6891E+03	5.67	.299	1.9817E+03	8.12	.290	1.5195E+03	6.13	.307
2.6703E+03	2.73	.631	1.9698E+03	6.22	.201	1.5115E+03	7.28	.260
2.6518E+03	5.69	.411	1.9581E+03	8.81	.187	1.5036E+03	4.50	.322
2.6334E+03	3.67	.278	1.9464E+03	6.28	.200	1.4957E+03	2.81	.600
2.6152E+03	3.67	.273	1.9348E+03	8.80	.232	1.4879E+03	3.84	.432
2.5942E+03	4.92	.330	1.9234E+03	4.88	.237	1.4789E+03	4.36	.245
2.5764E+03	4.63	.235	1.9082E+03	6.33	.339	1.4712E+03	8.01	.474
2.5588E+03	4.72	.222	1.8970E+03	6.78	.257	1.4636E+03	4.94	.361
2.5414E+03	4.80	.257	1.8859E+03	5.82	.213	1.4561E+03	3.70	.287

E(EV)	S(B)	DS/S	E(EV)	S(B)	DS/S	E(EV)	S(B)	DS/S
1.4486E+03	4.69	.236	1.1528E+03	8.41	.314	9.8913E+02	1.16	.571
1.4412E+03	3.85	.267	1.1476E+03	6.52	.406	9.8843E+02	1.67	.506
1.4338E+03	5.52	.220	1.1423E+03	4.78	.256	9.8703E+02	3.27	.334
1.4265E+03	4.18	.521	1.1371E+03	4.72	.284	9.8633E+02	3.05	.281
1.4180E+03	5.83	.268	1.1319E+03	6.46	.376	9.8563E+02	3.35	.300
1.4108E+03	3.36	.297	1.1260E+03	4.20	.362	9.8494E+02	3.83	.471
1.4037E+03	5.04	.284	1.1209E+03	4.12	.277	9.8354E+02	8.70	.231
1.3966E+03	2.95	.384	1.1158E+03	5.59	.237	9.8285E+02	9.49	.195
1.3896E+03	5.87	.254	1.1108E+03	6.21	.209	9.8216E+02	8.32	.241
1.3826E+03	5.43	.256	1.1058E+03	8.90	.324	9.8146E+02	7.16	.344
1.3757E+03	5.06	.220	1.1008E+03	3.82	.454	9.8008E+02	7.99	.518
1.3688E+03	4.90	.242	1.0959E+03	6.88	.368	9.7939E+02	8.55	.437
1.3608E+03	4.73	.436	1.0910E+03	5.43	.246	9.7870E+02	8.25	.408
1.3541E+03	5.10	.268	1.0854E+03	4.54	.275	9.7801E+02	7.68	.228
1.3474E+03	6.01	.216	1.0806E+03	4.53	.414	9.7732E+02	8.01	.171
1.3407E+03	6.90	.226	1.0758E+03	4.78	.314	9.7594E+02	13.51	.207
1.3341E+03	9.38	.203	1.0710E+03	7.38	.354	9.7526E+02	14.20	.150
1.3275E+03	6.94	.207	1.0663E+03	2.95	.444	9.7457E+02	12.94	.179
1.3210E+03	5.96	.201	1.0616E+03	3.91	.311	9.7388E+02	11.32	.275
1.3145E+03	7.11	.185	1.0569E+03	5.60	.235	9.7252E+02	7.40	.264
1.3070E+03	7.09	.174	1.0523E+03	5.70	.357	9.7183E+02	8.43	.261
1.3007E+03	6.91	.286	1.0469E+03	7.14	.197	9.7115E+02	9.88	.284
1.2943E+03	6.73	.180	1.0424E+03	7.24	.201	9.7047E+02	10.96	.162
1.2881E+03	8.94	.336	1.0378E+03	5.83	.277	9.6979E+02	11.21	.143
1.2818E+03	8.55	.263	1.0333E+03	4.86	.223	9.6843E+02	7.94	.214
1.2757E+03	20.14	.701	1.0288E+03	3.29	.319	9.6775E+02	6.85	.198
1.2695E+03	12.69	.384	1.0244E+03	3.88	.279	9.6707E+02	5.14	.209
1.2634E+03	7.33	.184	1.0200E+03	6.68	.208	9.6639E+02	3.82	.250
1.2564E+03	6.67	.277	1.0156E+03	4.92	.254	9.6504E+02	2.61	.355
1.2504E+03	10.52	.320	1.0105E+03	6.00	.217	9.6437E+02	3.90	.260
1.2444E+03	6.59	.202	1.0062E+03	7.33	.621	9.6369E+02	5.10	.233
1.2385E+03	5.28	.302	1.0019E+03	8.14	.295	9.6302E+02	5.17	.211
1.2326E+03	6.14	.207	1.0012E+03	7.45	.225	9.6235E+02	5.26	.217
1.2268E+03	7.13	.251	1.0004E+03	8.34	.208	9.6100E+02	6.03	.239
1.2210E+03	5.55	.225	9.9902E+02	13.84	.195	9.6033E+02	6.51	.195
1.2143E+03	3.78	.445	9.9831E+02	12.38	.143	9.5966E+02	6.84	.175
1.2086E+03	7.32	.209	9.9760E+02	10.70	.171	9.5899E+02	6.46	.191
1.2029E+03	6.37	.228	9.9689E+02	9.09	.151	9.5765E+02	6.23	.237
1.1973E+03	4.25	.341	9.9618E+02	7.86	.185	9.5699E+02	5.35	.215
1.1917E+03	7.27	.251	9.9476E+02	12.14	.302	9.5632E+02	4.36	.218
1.1862E+03	4.37	.290	9.9406E+02	12.96	.306	9.5565E+02	4.45	.247
1.1807E+03	3.60	.284	9.9335E+02	12.22	.258	9.5432E+02	4.50	.249
1.1752E+03	5.32	.563	9.9264E+02	11.71	.192	9.5366E+02	3.92	.233
1.1689E+03	5.13	.240	9.9124E+02	5.24	.284	9.5299E+02	4.47	.229
1.1635E+03	4.47	.271	9.9053E+02	3.38	.349	9.5233E+02	5.89	.180
1.1581E+03	3.64	.405	9.8983E+02	1.47	.589	9.5167E+02	6.50	.203

E(EV)	S(B)	DS/S	E(EV)	S(B)	OS/S	E(EV)	S(8)	DS/S
9.5035E+02	6.59	.214	9.1443E+02	11.05	.272	8.8051E+02	7.97	.184
9.4969E+02	8.78	.163	9.1381E+02	9.26	.240	8.7933E+02	4.70	.525
9.4903E+02	11.02	.141	9.1318E+02	7.42	.272	8.7874E+02	4.84	.470
9.4837E+02	12.10	.160	9.1194E+02	4.66	.390	8.7816E+02	5.71	.339
9.4706E+02	13.77	.143	9.1132E+02	4.33	.262	8.7757E+02	7.25	.249
9.4640E+02	15.30	.143	9.1070E+02	3.69	.240	8.7640E+02	9.67	.200
9.4574E+02	16.79	.169	9.1008E+02	3.61	.288	8.7582E+02	11.50	.256
9.4509E+02	16.96	.155	9.0885E+02	5.76	.426	8.7523E+02	13.55	.336
9.4443E+02	16.96	.141	9.0823E+02	8.05	.323	8.7465E+02	12.27	.349
9.4313E+02	16.70	.135	9.0761E+02	11.04	.240	8.7407E+02	10.16	.343
9.4247E+02	15.90	.141	9.0700E+02	11.44	.253	8.7290E+02	7.22	.240
9.4182E+02	15.32	.203	9.0577E+02	5.65	.210	8.7232E+02	7.92	.241
9.4117E+02	15.27	.345	9.0515E+02	6.42	.221	8.7174E+02	9.43	.272
9.3987E+02	12.38	.249	9.0454E+02	8.66	.314	8.7116E+02	10.72	.263
9.3922E+02	11.74	.248	9.0393E+02	11.36	.330	8.7001E+02	12.97	.149
9.3858E+02	8.44	.239	9.0331E+02	14.13	.331	8.6943E+02	11.97	.136
9.3793E+02	4.71	.254	9.0209E+02	8.44	.280	8.6885E+02	10.57	.164
9.3728E+02	3.21	.324	9.0148E+02	7.02	.305	8.6827E+02	8.55	.173
9.3599E+02	3.89	.328	9.0087E+02	4.75	.278	8.6770E+02	7.21	.251
9.3534E+02	4.47	.251	9.0026E+02	3.71	.287	8.6655E+02	13.37	.172
9.3470E+02	5.89	.186	8.9905E+02	2.93	.290	8.6597E+02	15.35	.135
9.3406E+02	7.42	.182	8.9844E+02	4.00	.223	8.6540E+02	14.99	.128
9.3277E+02	7.29	.186	8.9783E+02	5.81	.207	8.6483E+02	13.99	.150
9.3213E+02	5.42	.210	8.9723E+02	7.05	.175	8.6368E+02	12.31	.149
9.3149E+02	3.56	.375	8.9662E+02	7.80	.176	8.6311E+02	13.28	.167
9.3085E+02	3.40	.607	8.9541E+02	8.27	.264	8.6254E+02	16.90	.201
9.2957E+02	9.61	.154	8.9481E+02	7.16	.194	8.6197E+02	19.75	.233
9.2893E+02	10.05	.138	8.9421E+02	6.12	.190	8.6083E+02	18.07	.186
9.2829E+02	9.90	.149	8.9361E+02	5.94	.241	8.6026E+02	16.05	.132
9.2766E+02	9.77	.134	8.9240E+02	7.81	.253	8.5969E+02	15.07	.213
9.2702E+02	10.29	.153	8.9180E+02	9.39	.166	8.5912E+02	14.25	.287
9.2575E+02	8.67	.200	8.9120E+02	11.79	.144	8.5856E+02	11.86	.252
9.2511E+02	8.03	.191	8.9060E+02	14.95	.131	8.5742E+02	6.43	.302
9.2448E+02	8.37	.172	8.9001E+02	18.17	.175	8.5686E+02	7.02	.242
9.2385E+02	9.19	.198	8.8881E+02	14.29	.157	8.5629E+02	8.52	.189
9.2258E+02	11.19	.193	8.8821E+02	11.17	.137	8.5573E+02	9.88	.194
9.2195E+02	12.28	.145	8.8762E+02	8.56	.160	8.5460E+02	14.91	.191
9.2132E+02	11.72	.134	8.8702E+02	7.81	.210	8.5404E+02	15.83	.137
9.2069E+02	11.19	.122	8.8583E+02	6.01	.335	8.5348E+02	16.41	.171
9.2006E+02	10.91	.138	8.8524E+02	7.49	.258	8.5292E+02	14.06	.242
9.1881E+02	4.05	.354	8.8465E+02	10.01	.171	8.5235E+02	9.78	.277
9.1818E+02	3.17	.450	8.8405E+02	10.61	.169	8.5123E+02	8.15	.224
9.1755E+02	3.10	.453	8.8287E+02	13.05	.170	8.5067E+02	7.67	.231
9.1693E+02	4.03	.462	8.8228E+02	10.65	.171	8.5012E+02	8.30	.194
9.1568E+02	9.79	.301	8.8169E+02	8.71	.174	8.4956E+02	8.83	.179
9.1505E+02	11.09	.255	8.8110E+02	8.62	.189	8.4844E+02	6.82	.237

E(EV)	S(B)	DS/S	E(EV)	S(B)	DS/S	E(EV)	S(B)	DS/S
8.4789E+02	6.27	.210	8.1757E+02	25.83	.139	7.8836E+02	8.93	.173
8.4733E+02	6.31	.205	8.1704E+02	24.47	.137	7.8786E+02	8.80	.166
8.4678E+02	7.39	.165	8.1599E+02	13.32	.262	7.8736E+02	8.19	.205
8.4622E+02	7.98	.209	8.1547E+02	11.53	.251	7.8686E+02	8.45	.205
8.4511E+02	9.50	.167	8.1494E+02	9.16	.258	7.8637E+02	9.80	.328
8.4456E+02	8.73	.172	8.1442E+02	6.67	.255	7.8537E+02	6.78	.343
8.4401E+02	7.15	.214	8.1337E+02	4.11	.372	7.8488E+02	4.85	.251
8.4345E+02	6.33	.234	8.1285E+02	3.89	.401	7.8438E+02	3.18	.320
8.4235E+02	7.37	.285	8.1233E+02	3.60	.613	7.8389E+02	2.75	.594
8.4180E+02	7.61	.281	8.1181E+02	5.93	.412	7.8290E+02	1.59	.791
8.4125E+02	6.76	.314	8.1129E+02	8.76	.355	7.8240E+02	2.42	.407
8.4070E+02	5.13	.321	8.1025E+02	14.01	.153	7.8191E+02	2.84	.352
8.3960E+02	2.23	.378	8.0973E+02	12.23	.140	7.8142E+02	2.45	.382
8.3906E+02	2.25	.340	8.0921E+02	9.02	.157	7.8093E+02	1.77	.737
8.3851E+02	2.17	.411	8.0869E+02	7.71	.200	7.7995E+02	-1.50	1.230
8.3796E+02	2.19	.348	8.0765E+02	4.42	.323	7.7946E+02	-3.31	.455
8.3742E+02	2.55	.370	8.0714E+02	5.27	.205	7.7897E+02	-2.13	.546
8.3632E+02	8.36	.249	8.0662E+02	7.17	.182	7.7848E+02	.48	3.063
8.3578E+02	9.83	.243	8.0611E+02	8.23	.164	7.7750E+02	8.96	.329
8.3524E+02	11.05	.218	8.0559E+02	7.62	.186	7.7701E+02	7.55	.210
8.3469E+02	11.87	.178	8.0456E+02	7.35	.221	7.7652E+02	8.29	.174
8.3361E+02	16.07	.179	8.0405E+02	8.13	.185	7.7603E+02	11.46	.187
8.3306E+02	14.42	.184	8.0353E+02	9.06	.184	7.7506E+02	9.53	.197
8.3252E+02	10.50	.172	8.0302E+02	9.87	.188	7.7458E+02	8.93	.203
8.3198E+02	6.85	.160	8.0200E+02	11.12	.189	7.7409E+02	7.55	.230
8.3144E+02	4.96	.211	8.0149E+02	11.27	.243	7.7360E+02	5.01	.226
8.3036E+02	5.24	.275	8.0097E+02	12.74	.305	7.7312E+02	2.77	.412
8.2982E+02	4.01	.363	8.0046E+02	14.22	.262	7.7215E+02	8.90	.261
8.2928E+02	5.18	.382	7.9995E+02	15.12	.256	7.7167E+02	9.99	.162
8.2875E+02	9.56	.257	7.9894E+02	6.49	.334	7.7119E+02	9.52	.144
8.2767E+02	19.10	.144	7.9843E+02	6.38	.251	7.7070E+02	8.92	.180
8.2714E+02	20.85	.107	7.9792E+02	8.22	.205	7.6974E+02	12.42	.181
8.2660E+02	22.81	.108	7.9741E+02	8.96	.205	7.6926E+02	15.13	.193
8.2606E+02	22.76	.106	7.9640E+02	11.20	.151	7.6878E+02	19.21	.219
8.2553E+02	20.64	.157	7.9589E+02	12.31	.137	7.6830E+02	20.14	.195
8.2446E+02	-3.08	1.788	7.9538E+02	11.63	.154	7.6782E+02	19.64	.168
8.2393E+02	-6.87	.657	7.9488E+02	10.78	.191	7.6686E+02	12.87	.159
8.2340E+02	-3.12	1.149	7.9387E+02	9.24	.241	7.6638E+02	12.81	.174
8.2287E+02	2.99	1.322	7.9337E+02	8.57	.202	7.6591E+02	13.64	.203
8.2180E+02	4.59	.368	7.9286E+02	8.46	.216	7.6543E+02	13.27	.171
8.2127E+02	3.94	.325	7.9236E+02	8.63	.196	7.6448E+02	11.22	.200
8.2074E+02	4.92	.299	7.9186E+02	8.21	.219	7.6400E+02	11.81	.182
8.2021E+02	7.12	.201	7.9086E+02	9.70	.224	7.6352E+02	15.89	.213
8.1968E+02	8.72	.178	7.9035E+02	11.13	.173	7.6305E+02	22.29	.294
8.1863E+02	16.79	.142	7.8985E+02	11.08	.143	7.6257E+02	27.95	.444
8.1810E+02	21.87	.133	7.8935E+02	9.76	.159	7.6163E+02	41.42	.208

E(EV)	S(8)	DS/S	E(EV)	S(8)	DS/S	E(EV)	S(8)	DS/S
7.6115E+02	39.12	.115	7.3533E+02	3.33	.437	7.1038E+02	2.86	.484
7.6068E+02	32.47	.134	7.3444E+02	6.85	.198	7.0996E+02	3.38	.358
7.6021E+02	25.79	.202	7.3399E+02	8.31	.178	7.0953E+02	2.82	.302
7.5926E+02	8.09	.408	7.3354E+02	10.59	.208	7.0910E+02	2.09	.363
7.5879E+02	5.32	.294	7.3309E+02	12.79	.195	7.0826E+02	1.96	.452
7.5832E+02	4.22	.275	7.3265E+02	14.44	.173	7.0783E+02	3.25	.305
7.5785E+02	4.33	.312	7.3175E+02	15.26	.160	7.0741E+02	4.82	.274
7.5691E+02	2.47	.535	7.3131E+02	14.55	.258	7.0698E+02	5.19	.400
7.5644E+02	2.45	.471	7.3086E+02	15.41	.366	7.0614E+02	5.27	.499
7.5597E+02	2.49	.422	7.3042E+02	15.93	.422	7.0571E+02	6.48	.419
7.5551E+02	3.39	.450	7.2953E+02	16.95	.174	7.0529E+02	7.57	.337
7.5504E+02	5.05	.662	7.2909E+02	17.13	.136	7.0487E+02	6.97	.271
7.5411E+02	20.16	.192	7.2864E+02	15.79	.151	7.0445E+02	7.20	.247
7.5364E+02	23.43	.111	7.2820E+02	14.44	.123	7.0361E+02	5.06	.358
7.5317E+02	24.40	.107	7.2776E+02	13.64	.136	7.0319E+02	4.91	.364
7.5271E+02	23.49	.159	7.2687E+02	9.77	.195	7.0277E+02	4.30	.304
7.5178E+02	10.21	.185	7.2643E+02	8.22	.162	7.0235E+02	3.82	.466
7.5131E+02	6.95	.200	7.2599E+02	7.47	.169	7.0151E+02	4.83	.420
7.5085E+02	4.18	.350	7.2555E+02	7.14	.191	7.0109E+02	4.29	.416
7.5039E+02	3.83	.321	7.2467E+02	10.27	.175	7.0067E+02	4.69	.345
7.4992E+02	4.80	.358	7.2423E+02	11.45	.161	7.0026E+02	8.48	.243
7.4900E+02	11.75	.290	7.2379E+02	13.91	.155	6.9984E+02	13.06	.344
7.4854E+02	10.69	.189	7.2335E+02	16.69	.147	6.9901E+02	25.28	.183
7.4808E+02	10.14	.207	7.2248E+02	14.54	.139	6.9859E+02	26.29	.181
7.4762E+02	11.15	.191	7.2204E+02	12.24	.136	6.9817E+02	25.41	.171
7.4670E+02	12.12	.167	7.2160E+02	10.19	.159	6.9776E+02	23.45	.224
7.4624E+02	11.11	.149	7.2117E+02	11.05	.140	6.9693E+02	14.49	.450
7.4578E+02	11.51	.149	7.2073E+02	12.23	.160	6.9651E+02	12.58	.308
7.4532E+02	15.23	.114	7.1986E+02	12.77	.245	6.9610E+02	11.60	.199
7.4486E+02	17.93	.112	7.1943E+02	14.13	.270	6.9569E+02	13.40	.147
7.4394E+02	20.53	.164	7.1899E+02	15.80	.247	6.9527E+02	14.28	.142
7.4349E+02	19.24	.177	7.1856E+02	16.48	.171	6.9445E+02	11.54	.240
7.4303E+02	14.09	.175	7.1769E+02	13.37	.201	6.9403E+02	12.63	.228
7.4258E+02	12.01	.327	7.1726E+02	10.96	.217	6.9362E+02	12.68	.150
7.4167E+02	10.64	.296	7.1683E+02	7.16	.224	6.9321E+02	12.95	.184
7.4121E+02	9.77	.173	7.1639E+02	4.57	.251	6.9239E+02	15.22	.271
7.4076E+02	9.71	.165	7.1596E+02	4.00	.292	6.9198E+02	12.99	.183
7.4030E+02	9.68	.219	7.1510E+02	4.14	.284	6.9157E+02	7.44	.198
7.3940E+02	7.71	.263	7.1467E+02	4.50	.286	6.9116E+02	6.68	.245
7.3894E+02	7.21	.239	7.1424E+02	4.54	.323	6.9034E+02	7.19	.216
7.3849E+02	6.94	.203	7.1381E+02	4.26	.334	6.8994E+02	6.21	.196
7.3804E+02	6.79	.164	7.1295E+02	3.08	.528	6.8953E+02	5.49	.255
7.3759E+02	6.40	.191	7.1252E+02	5.00	.433	6.8912E+02	5.56	.269
7.3669E+02	5.97	.260	7.1209E+02	7.56	.351	6.8871E+02	6.57	.371
7.3623E+02	5.26	.272	7.1166E+02	6.53	.281	6.8790E+02	4.46	.296
7.3578E+02	3.86	.361	7.1124E+02	4.39	.359	6.8749E+02	4.18	.289

E(EV)	S(B)	DS/S	E(EV)	S(B)	DS/S	E(EV)	S(B)	DS/S
6.8709E+02	3.41	.291	6.6492E+02	10.35	.330	6.4344E+02	7.21	.209
6.8668E+02	3.17	.344	6.6415E+02	7.46	.329	6.4307E+02	5.46	.335
6.8587E+02	4.79	.242	6.6376E+02	4.65	.294	6.4270E+02	5.18	.580
6.8547E+02	4.38	.242	6.6337E+02	2.38	.373	6.4197E+02	15.68	.237
6.8506E+02	3.89	.322	6.6299E+02	2.06	.504	6.4160E+02	19.59	.123
6.8466E+02	4.86	.229	6.6222E+02	3.96	.370	6.4124E+02	24.74	.121
6.8426E+02	6.47	.229	6.6184E+02	4.37	.329	6.4087E+02	29.60	.126
6.8345E+02	12.55	.147	6.6146E+02	4.80	.367	6.4051E+02	30.08	.138
6.8305E+02	11.68	.131	6.6107E+02	3.83	.336	6.3978E+02	28.66	.117
6.8265E+02	11.84	.160	6.6031E+02	6.60	.255	6.3941E+02	25.22	.107
6.8224E+02	13.98	.257	6.5992E+02	6.06	.259	6.3905E+02	19.64	.119
6.8144E+02	10.17	.255	6.5954E+02	6.42	.273	6.3868E+02	16.37	.158
6.8104E+02	7.32	.195	6.5916E+02	8.20	.189	6.3796E+02	23.38	.209
6.8064E+02	6.47	.231	6.5878E+02	8.49	.179	6.3760E+02	26.67	.147
6.8024E+02	8.97	.350	6.5802E+02	6.00	.227	6.3723E+02	26.96	.134
6.7984E+02	12.77	.546	6.5764E+02	5.51	.206	6.3687E+02	22.48	.176
6.7904E+02	24.50	.245	6.5726E+02	5.11	.211	6.3651E+02	18.69	.232
6.7864E+02	21.18	.135	6.5688E+02	4.79	.265	6.3579E+02	10.11	.355
6.7825E+02	19.40	.111	6.5612E+02	3.97	.293	6.3542E+02	7.38	.226
6.7785E+02	18.99	.127	6.5574E+02	4.26	.307	6.3506E+02	6.21	.212
6.7705E+02	15.72	.173	6.5537E+02	5.31	.314	6.3470E+02	6.55	.259
6.7666E+02	13.38	.189	6.5499E+02	7.29	.198	6.3398E+02	4.15	.324
6.7626E+02	8.26	.195	6.5461E+02	8.90	.186	6.3362E+02	4.31	.289
6.7587E+02	5.52	.352	6.5386E+02	13.39	.151	6.3326E+02	4.14	.267
6.7507E+02	5.13	.311	6.5348E+02	15.63	.198	6.3291E+02	4.31	.347
6.7468E+02	5.17	.273	6.5310E+02	16.90	.247	6.3219E+02	3.69	.305
6.7428E+02	4.89	.321	6.5273E+02	14.51	.196	6.3183E+02	4.67	.225
6.7389E+02	5.16	.236	6.5198E+02	10.40	.171	6.3147E+02	5.61	.213
6.7350E+02	5.22	.252	6.5160E+02	9.17	.178	6.3112E+02	4.94	.209
6.7271E+02	7.63	.339	6.5123E+02	9.91	.244	6.3076E+02	3.94	.369
6.7232E+02	6.49	.336	6.5085E+02	11.76	.269	6.3005E+02	3.15	.374
6.7192E+02	2.86	.388	6.5048E+02	11.35	.251	6.2969E+02	2.61	.376
6.7153E+02	1.41	.738	6.4973E+02	3.25	1.306	6.2933E+02	2.33	.393
6.7075E+02	4.58	.431	6.4936E+02	9.65	.502	6.2898E+02	3.09	.470
6.7036E+02	5.33	.305	6.4899E+02	17.67	.195	6.2827E+02	3.42	.547
6.6997E+02	7.24	.289	6.4862E+02	20.34	.214	6.2792E+02	2.90	.573
6.6958E+02	9.91	.149	6.4787E+02	15.08	.196	6.2756E+02	3.02	.470
6.6919E+02	12.93	.151	6.4750E+02	15.44	.176	6.2721E+02	4.60	.252
6.6841E+02	21.60	.174	6.4713E+02	15.83	.173	6.2685E+02	5.05	.256
6.6802E+02	21.77	.168	6.4676E+02	15.01	.232	6.2615E+02	3.83	.308
6.6763E+02	20.44	.127	6.4602E+02	6.81	.199	6.2579E+02	5.26	.282
6.6724E+02	19.63	.124	6.4565E+02	5.02	.231	6.2544E+02	7.99	.297
6.6647E+02	17.25	.172	6.4528E+02	3.41	.389	6.2509E+02	10.25	.387
6.6608E+02	13.79	.193	6.4491E+02	4.38	.340	6.2439E+02	21.80	.233
6.6569E+02	9.02	.176	6.4454E+02	5.06	.310	6.2403E+02	25.33	.248
6.6530E+02	8.45	.203	6.4381E+02	8.02	.205	6.2368E+02	26.09	.259

E(EV)	S(B)	DS/S	E(EV)	S(B)	OS/S	E(EV)	S(B)	DS/S
6.2333E+02	21.29	.234	6.0382E+02	3.58	.407	5.8553E+02	5.20	.263
6.2298E+02	15.09	.240	6.0349E+02	4.86	.389	5.8522E+02	5.24	.291
6.2228E+02	3.98	.343	6.0315E+02	5.70	.408	5.8490E+02	5.24	.369
6.2193E+02	3.39	.357	6.0282E+02	6.57	.318	5.8426E+02	6.92	.395
6.2158E+02	3.10	.460	6.0215E+02	7.17	.260	5.8394E+02	7.55	.226
6.2124E+02	2.91	.666	6.0182E+02	5.93	.263	5.8362E+02	6.94	.214
6.2054E+02	.81	1.621	6.0149E+02	4.12	.369	5.8331E+02	6.03	.276
6.2019E+02	2.99	.402	6.0116E+02	2.73	.492	5.8267E+02	5.32	.302
6.1984E+02	4.67	.268	6.0083E+02	2.40	.565	5.8236E+02	5.98	.240
6.1949E+02	4.31	.294	6.0016E+02	4.13	.364	5.8204E+02	6.52	.225
6.1880E+02	3.74	.280	5.9983E+02	3.69	.339	5.8172E+02	5.82	.265
6.1845E+02	4.61	.224	5.9950E+02	2.93	.399	5.8109E+02	5.14	.313
6.1811E+02	6.17	.217	5.9917E+02	2.87	.516	5.8078E+02	5.09	.340
6.1776E+02	6.03	.198	5.9851E+02	3.33	.414	5.8046E+02	5.18	.439
6.1742E+02	5.11	.312	5.9818E+02	2.58	.544	5.8015E+02	6.58	.335
6.1673E+02	8.59	.457	5.9785E+02	2.29	.784	5.7983E+02	7.80	.262
6.1638E+02	11.18	.378	5.9752E+02	2.46	.510	5.7920E+02	7.82	.303
6.1604E+02	16.03	.255	5.9719E+02	1.94	.699	5.7889E+02	6.32	.373
6.1569E+02	19.28	.216	5.9654E+02	1.06	1.455	5.7858E+02	5.74	.369
6.1500E+02	32.05	.130	5.9621E+02	2.30	.637	5.7826E+02	6.19	.462
6.1466E+02	32.21	.131	5.9588E+02	2.89	.484	5.7764E+02	9.12	.350
6.1432E+02	26.19	.142	5.9555E+02	2.40	.694	5.7732E+02	8.93	.312
6.1397E+02	16.99	.146	5.9490E+02	.24	4.847	5.7701E+02	9.98	.273
6.1363E+02	11.85	.178	5.9457E+02	.66	1.608	5.7670E+02	12.97	.247
6.1295E+02	7.25	.376	5.9425E+02	2.13	.623	5.7639E+02	14.32	.322
6.1261E+02	10.76	.249	5.9392E+02	3.82	.470	5.7576E+02	19.40	.328
6.1226E+02	11.81	.200	5.9327E+02	10.36	.338	5.7545E+02	26.14	.269
6.1192E+02	11.12	.187	5.9294E+02	11.92	.264	5.7514E+02	33.20	.129
6.1124E+02	9.92	.216	5.9262E+02	16.97	.275	5.7483E+02	31.07	.108
6.1090E+02	11.44	.216	5.9229E+02	26.73	.241	5.7421E+02	32.03	.236
6.1056E+02	14.12	.209	5.9197E+02	31.52	.167	5.7390E+02	29.55	.247
6.1022E+02	14.32	.144	5.9132E+02	25.27	.191	5.7359E+02	21.22	.299
6.0988E+02	11.81	.145	5.9100E+02	20.63	.181	5.7328E+02	11.72	.239
6.0921E+02	7.69	.301	5.9067E+02	15.60	.156	5.7297E+02	6.85	.245
6.0887E+02	10.04	.236	5.9035E+02	12.58	.235	5.7236E+02	4.31	.397
6.0853E+02	11.71	.156	5.8971E+02	50.75	.210	5.7205E+02	5.86	.266
6.0819E+02	10.95	.167	5.8938E+02	59.84	.174	5.7174E+02	7.20	.214
6.0752E+02	7.79	.321	5.8906E+02	63.17	.230	5.7143E+02	7.61	.238
6.0718E+02	7.97	.284	5.8874E+02	53.95	.180	5.7082E+02	5.25	.425
6.0684E+02	7.85	.218	5.8842E+02	45.96	.182	5.7051E+02	4.94	.364
6.0651E+02	7.77	.267	5.8777E+02	23.49	.181	5.7021E+02	4.22	.305
6.0583E+02	9.55	.199	5.8745E+02	19.82	.172	5.6990E+02	3.36	.441
6.0550E+02	8.10	.178	5.8713E+02	14.50	.165	5.6929E+02	7.11	.256
6.0516E+02	9.36	.224	5.8681E+02	11.19	.185	5.6898E+02	7.65	.234
6.0483E+02	10.00	.267	5.8617E+02	5.50	.261	5.6867E+02	9.37	.207
6.0449E+02	6.97	.278	5.8585E+02	5.31	.228	5.6837E+02	11.90	.147

E(EV)	S(B)	DS/S	E(EV)	S(B)	DS/S	E(EV)	S(B)	DS/S
5.6806E+02	13.37	.171	5.5107E+02	9.50	.249	5.3511E+02	12.97	.162
5.6746E+02	6.52	.223	5.5078E+02	11.27	.248	5.3484E+02	11.63	.166
5.6715E+02	5.13	.254	5.5049E+02	11.34	.147	5.3428E+02	20.97	.235
5.6685E+02	3.88	.307	5.5020E+02	11.85	.150	5.3400E+02	25.89	.139
5.6654E+02	3.60	.408	5.4962E+02	14.42	.178	5.3372E+02	27.43	.123
5.6594E+02	5.68	.365	5.4933E+02	12.13	.148	5.3345E+02	26.20	.207
5.6563E+02	5.50	.292	5.4904E+02	11.69	.143	5.3289E+02	15.73	.185
5.6533E+02	5.28	.302	5.4875E+02	12.42	.158	5.3261E+02	14.08	.146
5.6503E+02	5.03	.240	5.4817E+02	10.74	.153	5.3234E+02	14.02	.148
5.6472E+02	5.04	.256	5.4788E+02	10.15	.161	5.3206E+02	16.01	.128
5.6412E+02	9.72	.237	5.4760E+02	9.14	.210	5.3178E+02	18.59	.138
5.6382E+02	11.77	.205	5.4731E+02	8.14	.323	5.3123E+02	21.17	.144
5.6352E+02	11.79	.229	5.4673E+02	4.27	.274	5.3096E+02	22.08	.115
5.6322E+02	12.16	.195	5.4644E+02	4.44	.254	5.3068E+02	26.13	.119
5.6262E+02	8.22	.266	5.4615E+02	4.07	.279	5.3041E+02	28.18	.173
5.6231E+02	6.59	.220	5.4587E+02	4.10	.247	5.2986E+02	28.06	.130
5.6201E+02	6.92	.215	5.4558E+02	5.11	.292	5.2958E+02	28.24	.104
5.6172E+02	8.70	.159	5.4501E+02	4.26	.344	5.2931E+02	26.57	.114
5.6142E+02	9.70	.174	5.4472E+02	3.61	.414	5.2903E+02	22.32	.120
5.6082E+02	10.03	.218	5.4443E+02	3.88	.441	5.2876E+02	19.18	.169
5.6052E+02	13.68	.248	5.4415E+02	3.71	.465	5.2821E+02	12.30	.557
5.6022E+02	18.23	.264	5.4358E+02	2.70	.447	5.2794E+02	17.33	.472
5.5992E+02	20.28	.276	5.4329E+02	2.94	.349	5.2767E+02	22.00	.262
5.5932E+02	26.30	.122	5.4301E+02	3.34	.328	5.2739E+02	24.74	.167
5.5903E+02	22.80	.121	5.4272E+02	3.44	.294	5.2685E+02	14.58	.186
5.5873E+02	15.52	.142	5.4244E+02	3.20	.394	5.2658E+02	11.66	.166
5.5843E+02	10.73	.171	5.4187E+02	3.13	.508	5.2630E+02	11.35	.164
5.5784E+02	11.43	.203	5.4158E+02	5.19	.331	5.2603E+02	12.23	.188
5.5754E+02	14.51	.150	5.4130E+02	5.87	.240	5.2549E+02	13.93	.139
5.5724E+02	19.07	.150	5.4102E+02	5.29	.248	5.2522E+02	16.38	.153
5.5695E+02	23.93	.181	5.4045E+02	5.96	.229	5.2495E+02	16.67	.190
5.5665E+02	25.89	.275	5.4017E+02	6.17	.205	5.2468E+02	10.86	.172
5.5606E+02	16.80	.176	5.3988E+02	6.47	.209	5.2441E+02	7.13	.218
5.5577E+02	14.18	.144	5.3960E+02	6.59	.171	5.2387E+02	8.49	.187
5.5547E+02	10.79	.149	5.3932E+02	6.75	.200	5.2360E+02	7.60	.188
5.5518E+02	9.21	.185	5.3876E+02	10.56	.206	5.2333E+02	5.58	.275
5.5459E+02	15.20	.232	5.3848E+02	13.85	.170	5.2306E+02	4.90	.424
5.5429E+02	15.69	.256	5.3819E+02	18.45	.119	5.2252E+02	16.64	.173
5.5400E+02	9.75	.360	5.3791E+02	21.47	.135	5.2225E+02	17.84	.120
5.5371E+02	4.73	.321	5.3735E+02	24.89	.111	5.2198E+02	15.36	.141
5.5341E+02	4.00	.331	5.3707E+02	27.89	.103	5.2171E+02	11.53	.201
5.5283E+02	9.67	.306	5.3679E+02	30.48	.105	5.2144E+02	9.67	.336
5.5253E+02	9.33	.303	5.3651E+02	29.78	.120	5.2091E+02	17.11	.263
5.5224E+02	6.55	.294	5.3595E+02	19.35	.193	5.2064E+02	21.18	.276
5.5195E+02	5.20	.277	5.3567E+02	17.63	.204	5.2037E+02	23.35	.293
5.5137E+02	7.47	.244	5.3539E+02	15.57	.239	5.2011E+02	22.81	.317

E(EV)	S(8)	OS/S	E(EV)	S(8)	OS/S	E(EV)	S(8)	DS/S
5.1957E+02	11.88	.180	5.0495E+02	66.60	.110	4.9094E+02	10.17	.179
5.1931E+02	10.75	.163	5.0470E+02	65.38	.134	4.9045E+02	8.69	.214
5.1904E+02	9.81	.174	5.0444E+02	56.91	.153	4.9021E+02	7.75	.176
5.1877E+02	10.34	.149	5.0393E+02	33.59	.235	4.8996E+02	7.10	.208
5.1851E+02	11.18	.176	5.0368E+02	27.27	.186	4.8972E+02	6.04	.268
5.1797E+02	11.39	.231	5.0342E+02	18.85	.175	4.8948E+02	4.98	.476
5.1771E+02	15.62	.244	5.0317E+02	14.09	.197	4.8899E+02	6.89	.294
5.1744E+02	24.25	.204	5.0266E+02	7.54	.295	4.8875E+02	5.26	.271
5.1718E+02	30.22	.157	5.0241E+02	7.77	.350	4.8850E+02	3.98	.336
5.1665E+02	30.35	.162	5.0215E+02	8.37	.381	4.8826E+02	4.55	.464
5.1639E+02	30.59	.116	5.0190E+02	9.80	.212	4.8777E+02	3.02	.390
5.1612E+02	30.74	.119	5.0165E+02	11.93	.191	4.8753E+02	4.10	.303
5.1586E+02	28.53	.128	5.0114E+02	16.36	.190	4.8729E+02	7.05	.190
5.1533E+02	16.88	.213	5.0089E+02	16.99	.168	4.8705E+02	8.88	.197
5.1507E+02	18.85	.169	5.0064E+02	17.25	.137	4.8656E+02	10.68	.186
5.1480E+02	22.35	.128	5.0038E+02	16.20	.157	4.8632E+02	9.98	.184
5.1454E+02	25.02	.117	4.9988E+02	15.10	.247	4.8608E+02	8.12	.182
5.1428E+02	27.66	.131	4.9963E+02	13.22	.200	4.8584E+02	5.66	.181
5.1375E+02	25.63	.158	4.9938E+02	11.19	.207	4.8560E+02	4.59	.264
5.1349E+02	19.93	.123	4.9913E+02	11.32	.272	4.8512E+02	2.72	.446
5.1323E+02	12.32	.158	4.9888E+02	13.08	.314	4.8487E+02	3.03	.373
5.1297E+02	8.07	.245	4.9837E+02	25.15	.194	4.8464E+02	4.32	.308
5.1244E+02	3.79	.372	4.9812E+02	29.60	.117	4.8440E+02	5.09	.345
5.1218E+02	5.86	.255	4.9787E+02	30.06	.124	4.8392E+02	6.53	.370
5.1192E+02	8.43	.264	4.9762E+02	27.04	.164	4.8368E+02	8.08	.317
5.1166E+02	9.81	.311	4.9712E+02	13.86	.173	4.8344E+02	10.99	.242
5.1140E+02	10.67	.402	4.9687E+02	13.52	.143	4.8320E+02	12.20	.230
5.1088E+02	16.11	.207	4.9662E+02	12.39	.159	4.8296E+02	10.32	.215
5.1062E+02	18.84	.178	4.9638E+02	10.59	.265	4.8248E+02	2.94	.476
5.1036E+02	24.75	.122	4.9588E+02	12.54	.162	4.8224E+02	2.64	.450
5.1010E+02	28.00	.122	4.9563E+02	11.18	.151	4.8200E+02	2.19	.448
5.0958E+02	22.24	.129	4.9538E+02	10.10	.167	4.8176E+02	1.52	.616
5.0933E+02	22.42	.145	4.9513E+02	11.46	.154	4.8129E+02	1.91	.558
5.0907E+02	20.82	.198	4.9489E+02	12.62	.172	4.8105E+02	3.55	.319
5.0881E+02	14.59	.152	4.9439E+02	8.91	.207	4.8081E+02	5.16	.254
5.0855E+02	10.75	.166	4.9414E+02	8.42	.210	4.8058E+02	6.12	.197
5.0803E+02	8.16	.212	4.9390E+02	9.42	.250	4.8034E+02	6.33	.212
5.0777E+02	7.64	.202	4.9365E+02	10.09	.386	4.7987E+02	4.10	.315
5.0752E+02	7.06	.234	4.9315E+02	8.19	.226	4.7963E+02	4.01	.296
5.0726E+02	6.71	.397	4.9291E+02	8.47	.198	4.7939E+02	3.99	.323
5.0675E+02	11.08	.171	4.9266E+02	9.70	.204	4.7916E+02	3.12	.405
5.0649E+02	11.83	.178	4.9242E+02	10.40	.192	4.7868E+02	3.08	.561
5.0623E+02	14.34	.236	4.9217E+02	10.07	.226	4.7845E+02	4.49	.404
5.0598E+02	18.23	.328	4.9168E+02	7.73	.245	4.7821E+02	6.01	.324
5.0546E+02	49.61	.148	4.9143E+02	8.89	.189	4.7798E+02	6.42	.367
5.0521E+02	59.27	.090	4.9119E+02	10.35	.158	4.7751E+02	4.09	.361

E(EV)	S(B)	DS/S	E(EV)	S(B)	DS/S	E(EV)	S(B)	DS/S
4.7727E+02	4.17	.270	4.6439E+02	10.56	.304	4.5181E+02	6.78	.335
4.7704E+02	4.89	.267	4.6417E+02	7.66	.295	4.5159E+02	8.26	.295
4.7680E+02	5.71	.210	4.6372E+02	9.46	.201	4.5138E+02	9.96	.223
4.7657E+02	6.31	.241	4.6349E+02	8.83	.200	4.5116E+02	9.92	.183
4.7610E+02	3.47	.326	4.6327E+02	8.75	.242	4.5095E+02	8.39	.256
4.7587E+02	2.10	.447	4.6304E+02	11.57	.211	4.5051E+02	9.36	.261
4.7563E+02	1.44	.679	4.6282E+02	13.28	.228	4.5030E+02	6.09	.218
4.7540E+02	1.67	.953	4.6237E+02	12.84	.368	4.5008E+02	4.49	.296
4.7493E+02	8.31	.430	4.6215E+02	13.01	.189	4.4987E+02	5.34	.390
4.7470E+02	11.41	.439	4.6192E+02	12.62	.152	4.4944E+02	4.75	.265
4.7447E+02	16.29	.372	4.6170E+02	11.60	.204	4.4923E+02	4.34	.278
4.7424E+02	18.81	.213	4.6125E+02	15.25	.155	4.4901E+02	4.49	.288
4.7400E+02	19.04	.164	4.6103E+02	19.82	.135	4.4880E+02	5.62	.215
4.7354E+02	13.65	.174	4.6081E+02	22.94	.127	4.4858E+02	6.28	.234
4.7331E+02	13.26	.192	4.6058E+02	21.84	.129	4.4816E+02	6.07	.224
4.7308E+02	13.80	.225	4.6014E+02	15.86	.133	4.4794E+02	7.28	.196
4.7284E+02	11.84	.198	4.5992E+02	13.20	.153	4.4773E+02	8.04	.163
4.7238E+02	2.92	.739	4.5970E+02	10.99	.198	4.4752E+02	8.49	.185
4.7215E+02	-1.17	1.832	4.5947E+02	11.39	.168	4.4709E+02	6.94	.189
4.7192E+02	-3.68	.715	4.5925E+02	12.01	.236	4.4688E+02	7.27	.189
4.7169E+02	-.54	6.224	4.5881E+02	13.53	.227	4.4667E+02	8.07	.199
4.7146E+02	3.15	1.960	4.5859E+02	14.87	.167	4.4645E+02	7.82	.167
4.7100E+02	25.24	.231	4.5837E+02	16.70	.137	4.4624E+02	7.20	.191
4.7077E+02	27.49	.161	4.5815E+02	16.63	.152	4.4582E+02	8.90	.292
4.7054E+02	27.78	.197	4.5770E+02	13.76	.138	4.4560E+02	9.15	.292
4.7031E+02	26.76	.254	4.5749E+02	17.60	.121	4.4539E+02	9.04	.236
4.6985E+02	9.59	.214	4.5726E+02	23.57	.141	4.4518E+02	9.31	.219
4.6962E+02	8.34	.266	4.5704E+02	24.45	.162	4.4476E+02	9.10	.205
4.6939E+02	8.75	.318	4.5683E+02	22.38	.186	4.4455E+02	5.53	.373
4.6916E+02	10.88	.232	4.5639E+02	18.70	.144	4.4434E+02	1.09	2.319
4.6870E+02	14.05	.236	4.5617E+02	16.63	.137	4.4412E+02	.05	53.697
4.6848E+02	18.77	.126	4.5595E+02	12.36	.148	4.4370E+02	8.82	.307
4.6825E+02	24.95	.108	4.5573E+02	8.82	.176	4.4349E+02	9.31	.250
4.6802E+02	27.92	.096	4.5529E+02	8.37	.187	4.4328E+02	10.54	.198
4.6779E+02	27.45	.106	4.5507E+02	10.16	.198	4.4307E+02	12.00	.186
4.6733E+02	23.08	.133	4.5485E+02	12.19	.218	4.4286E+02	11.58	.264
4.6711E+02	25.23	.150	4.5463E+02	11.40	.171	4.4244E+02	8.98	.198
4.6688E+02	30.56	.169	4.5442E+02	9.48	.176	4.4224E+02	7.77	.182
4.6665E+02	32.62	.199	4.5398E+02	6.23	.257	4.4202E+02	5.91	.246
4.6620E+02	26.18	.185	4.5376E+02	7.13	.204	4.4182E+02	4.68	.396
4.6597E+02	23.50	.227	4.5355E+02	9.55	.182	4.4140E+02	7.67	.181
4.6575E+02	17.92	.264	4.5333E+02	10.97	.239	4.4119E+02	8.56	.160
4.6552E+02	12.95	.168	4.5289E+02	11.33	.176	4.4098E+02	8.63	.162
4.6530E+02	11.11	.159	4.5268E+02	9.85	.180	4.4077E+02	9.27	.141
4.6484E+02	17.41	.149	4.5246E+02	7.81	.202	4.4056E+02	10.05	.156
4.6462E+02	15.41	.181	4.5224E+02	6.91	.272	4.4015E+02	8.42	.273

E(EV)	S(B)	DS/S	E(EV)	S(B)	DS/S	E(EV)	S(B)	DS/S
4.3994E+02	7.34	.224	4.2853E+02	19.50	.149	4.1737E+02	8.14	.346
4.3973E+02	7.90	.229	4.2813E+02	17.83	.127	4.1718E+02	9.79	.281
4.3952E+02	7.62	.210	4.2793E+02	16.63	.124	4.1699E+02	11.56	.236
4.3911E+02	14.49	.305	4.2774E+02	15.68	.144	4.1680E+02	12.89	.195
4.3890E+02	16.97	.285	4.2754E+02	14.70	.151	4.1641E+02	8.94	.242
4.3870E+02	22.00	.174	4.2734E+02	14.11	.205	4.1622E+02	8.81	.278
4.3849E+02	27.47	.104	4.2694E+02	19.89	.146	4.1603E+02	8.56	.300
4.3828E+02	30.84	.116	4.2674E+02	21.28	.119	4.1584E+02	6.75	.280
4.3787E+02	32.78	.104	4.2654E+02	22.14	.118	4.1565E+02	5.18	.455
4.3766E+02	29.60	.117	4.2634E+02	20.70	.139	4.1527E+02	3.43	.485
4.3746E+02	26.74	.157	4.2595E+02	12.80	.183	4.1508E+02	4.51	.374
4.3725E+02	24.77	.202	4.2575E+02	11.41	.186	4.1489E+02	7.19	.288
4.3684E+02	16.52	.214	4.2555E+02	7.96	.179	4.1470E+02	8.62	.245
4.3664E+02	11.52	.208	4.2535E+02	5.65	.188	4.1432E+02	12.14	.365
4.3643E+02	7.49	.202	4.2516E+02	5.26	.270	4.1413E+02	17.72	.172
4.3623E+02	6.81	.259	4.2476E+02	3.91	.538	4.1394E+02	31.60	.124
4.3582E+02	4.91	.255	4.2457E+02	4.84	.429	4.1375E+02	37.58	.112
4.3561E+02	3.77	.255	4.2437E+02	5.10	.287	4.1337E+02	31.41	.118
4.3541E+02	3.63	.386	4.2417E+02	3.54	.370	4.1318E+02	23.74	.128
4.3520E+02	4.52	.397	4.2378E+02	10.67	.239	4.1299E+02	16.68	.141
4.3500E+02	5.02	.330	4.2358E+02	11.61	.213	4.1280E+02	16.55	.170
4.3459E+02	3.97	.314	4.2339E+02	12.24	.234	4.1261E+02	17.32	.223
4.3438E+02	4.62	.290	4.2319E+02	12.02	.303	4.1224E+02	8.04	.246
4.3418E+02	6.21	.261	4.2300E+02	9.80	.328	4.1205E+02	7.46	.220
4.3398E+02	5.69	.305	4.2260E+02	10.38	.236	4.1186E+02	7.86	.241
4.3357E+02	9.39	.177	4.2241E+02	10.80	.174	4.1167E+02	7.31	.459
4.3337E+02	10.22	.162	4.2221E+02	10.38	.173	4.1130E+02	9.21	.197
4.3316E+02	9.48	.169	4.2202E+02	9.55	.226	4.1111E+02	9.64	.151
4.3296E+02	8.29	.183	4.2163E+02	4.40	.479	4.1092E+02	11.05	.176
4.3276E+02	7.47	.276	4.2143E+02	3.39	.585	4.1073E+02	11.16	.187
4.3235E+02	3.39	.434	4.2124E+02	2.62	.829	4.1055E+02	11.89	.182
4.3215E+02	3.16	.371	4.2104E+02	3.69	.752	4.1017E+02	8.98	.228
4.3195E+02	3.13	.324	4.2066E+02	6.64	.437	4.0999E+02	8.85	.211
4.3175E+02	3.76	.334	4.2046E+02	10.62	.248	4.0980E+02	8.78	.223
4.3134E+02	4.67	.316	4.2027E+02	15.55	.163	4.0961E+02	9.51	.225
4.3114E+02	3.41	.384	4.2007E+02	18.58	.132	4.0924E+02	14.85	.373
4.3094E+02	2.82	.529	4.1988E+02	20.19	.144	4.0905E+02	21.58	.276
4.3074E+02	2.53	.343	4.1949E+02	23.89	.182	4.0887E+02	30.41	.175
4.3054E+02	2.63	.362	4.1930E+02	22.24	.153	4.0868E+02	31.33	.099
4.3014E+02	10.51	.171	4.1910E+02	18.54	.131	4.0849E+02	29.48	.101
4.2993E+02	13.48	.226	4.1891E+02	15.21	.151	4.0812E+02	18.05	.132
4.2973E+02	14.88	.294	4.1853E+02	7.43	.377	4.0794E+02	14.95	.127
4.2953E+02	16.25	.306	4.1833E+02	3.79	.378	4.0775E+02	10.70	.143
4.2913E+02	17.11	.185	4.1814E+02	2.80	.445	4.0757E+02	7.31	.190
4.2893E+02	16.92	.136	4.1795E+02	4.32	.267	4.0720E+02	6.68	.221
4.2873E+02	17.74	.119	4.1776E+02	5.71	.285	4.0701E+02	9.29	.179

E(EV)	S(B)	DS/S	E(EV)	S(B)	DS/S	E(EV)	S(B)	DS/S
4.0683E+02	11.91	.149	3.9668E+02	18.25	.281	3.8673E+02	7.26	.293
4.0664E+02	12.34	.154	3.9632E+02	25.87	.124	3.8656E+02	8.75	.254
4.0627E+02	15.18	.170	3.9614E+02	25.80	.125	3.8639E+02	10.67	.261
4.0609E+02	15.38	.137	3.9597E+02	25.87	.163	3.8605E+02	14.95	.166
4.0590E+02	12.36	.156	3.9579E+02	25.09	.228	3.8587E+02	15.55	.141
4.0572E+02	8.40	.236	3.9543E+02	5.86	.310	3.8570E+02	13.32	.158
4.0554E+02	8.44	.430	3.9526E+02	4.80	.319	3.8553E+02	12.45	.172
4.0517E+02	8.86	.360	3.9508E+02	5.30	.247	3.8536E+02	13.84	.168
4.0499E+02	8.30	.282	3.9490E+02	5.20	.234	3.8502E+02	16.87	.190
4.0480E+02	7.74	.184	3.9455E+02	4.80	.311	3.8485E+02	14.52	.149
4.0462E+02	6.60	.198	3.9437E+02	5.77	.273	3.8468E+02	10.87	.172
4.0425E+02	7.82	.273	3.9420E+02	7.54	.215	3.8451E+02	8.71	.206
4.0407E+02	7.87	.270	3.9402E+02	8.18	.171	3.8417E+02	7.12	.230
4.0389E+02	7.75	.218	3.9385E+02	8.87	.193	3.8400E+02	6.24	.259
4.0370E+02	10.22	.218	3.9349E+02	14.40	.252	3.8384E+02	5.77	.292
4.0352E+02	13.95	.270	3.9332E+02	18.74	.277	3.8367E+02	5.65	.329
4.0316E+02	10.16	.233	3.9314E+02	24.22	.243	3.8350E+02	5.45	.397
4.0298E+02	9.13	.218	3.9297E+02	25.77	.179	3.8316E+02	7.51	.383
4.0279E+02	9.30	.230	3.9262E+02	27.42	.111	3.8299E+02	7.97	.300
4.0261E+02	9.78	.217	3.9244E+02	21.71	.118	3.8282E+02	7.70	.281
4.0225E+02	7.58	.242	3.9227E+02	14.80	.156	3.8265E+02	6.91	.262
4.0207E+02	6.07	.223	3.9209E+02	11.78	.146	3.8232E+02	4.61	.425
4.0188E+02	3.84	.271	3.9192E+02	12.98	.208	3.8215E+02	5.06	.467
4.0170E+02	3.11	.273	3.9157E+02	15.03	.164	3.8198E+02	6.89	.348
4.0152E+02	3.25	.354	3.9139E+02	13.31	.159	3.8181E+02	9.27	.247
4.0116E+02	4.80	.272	3.9122E+02	11.56	.160	3.8148E+02	11.87	.170
4.0098E+02	5.55	.206	3.9105E+02	10.35	.187	3.8131E+02	9.66	.178
4.0080E+02	6.49	.192	3.9070E+02	8.19	.186	3.8114E+02	9.09	.193
4.0062E+02	6.49	.221	3.9052E+02	7.87	.243	3.8097E+02	10.66	.154
4.0026E+02	7.33	.292	3.9035E+02	7.44	.344	3.8081E+02	12.62	.165
4.0008E+02	8.24	.296	3.9018E+02	6.68	.265	3.8047E+02	16.87	.141
3.9990E+02	6.85	.281	3.9000E+02	6.03	.255	3.8031E+02	16.57	.127
3.9972E+02	5.67	.286	3.8966E+02	5.37	.261	3.8014E+02	17.82	.127
3.9936E+02	10.25	.179	3.8948E+02	5.90	.240	3.7997E+02	19.65	.146
3.9918E+02	12.20	.157	3.8931E+02	5.44	.264	3.7964E+02	12.97	.210
3.9900E+02	12.43	.164	3.8914E+02	4.59	.458	3.7947E+02	7.58	.191
3.9882E+02	10.54	.156	3.8879E+02	4.50	.355	3.7931E+02	4.01	.341
3.9864E+02	10.12	.181	3.8862E+02	5.39	.258	3.7914E+02	3.68	.330
3.9828E+02	6.37	.390	3.8845E+02	5.50	.224	3.7897E+02	3.12	.410
3.9810E+02	5.51	.465	3.8827E+02	5.46	.255	3.7864E+02	6.77	.221
3.9792E+02	5.11	.327	3.8793E+02	6.69	.279	3.7848E+02	5.88	.212
3.9775E+02	4.46	.370	3.8776E+02	8.26	.244	3.7831E+02	5.51	.222
3.9739E+02	4.34	.328	3.8759E+02	11.10	.185	3.7815E+02	6.35	.248
3.9721E+02	5.42	.377	3.8742E+02	13.56	.178	3.7781E+02	5.27	.313
3.9703E+02	8.70	.367	3.8724E+02	15.29	.283	3.7765E+02	3.96	.402
3.9685E+02	14.15	.250	3.8690E+02	9.05	.255	3.7748E+02	3.64	.365

E(EV)	S(B)	DS/S	E(EV)	S(B)	DS/S	E(EV)	S(B)	DS/S
3.7732E+02	5.42	.238	3.6809E+02	14.14	.140	3.5934E+02	8.00	.193
3.7715E+02	6.63	.234	3.6793E+02	16.39	.130	3.5919E+02	6.83	.211
3.7682E+02	8.05	.216	3.6777E+02	16.39	.141	3.5904E+02	6.39	.251
3.7666E+02	9.22	.339	3.6761E+02	13.51	.149	3.5873E+02	7.85	.246
3.7650E+02	11.87	.386	3.6729E+02	10.96	.150	3.5858E+02	9.93	.187
3.7633E+02	13.81	.247	3.6714E+02	11.57	.135	3.5843E+02	12.97	.190
3.7600E+02	18.13	.169	3.6698E+02	14.00	.136	3.5827E+02	15.22	.313
3.7584E+02	22.63	.142	3.6682E+02	16.06	.149	3.5797E+02	33.10	.140
3.7567E+02	26.94	.109	3.6666E+02	15.80	.256	3.5782E+02	37.50	.093
3.7551E+02	26.78	.128	3.6634E+02	9.92	.273	3.5767E+02	37.02	.099
3.7518E+02	21.68	.130	3.6619E+02	6.58	.244	3.5751E+02	32.84	.160
3.7502E+02	21.53	.125	3.6603E+02	4.17	.308	3.5721E+02	14.77	.165
3.7486E+02	20.84	.135	3.6587E+02	3.79	.389	3.5706E+02	13.59	.168
3.7469E+02	20.95	.122	3.6556E+02	2.57	.562	3.5691E+02	13.08	.274
3.7453E+02	21.81	.127	3.6540E+02	1.76	.939	3.5675E+02	13.82	.372
3.7420E+02	18.05	.166	3.6524E+02	2.85	.675	3.5660E+02	11.16	.322
3.7404E+02	15.64	.155	3.6509E+02	5.83	.319	3.5630E+02	11.98	.171
3.7388E+02	12.44	.156	3.6493E+02	6.76	.383	3.5615E+02	12.34	.150
3.7372E+02	9.42	.191	3.6462E+02	4.87	.560	3.5600E+02	12.08	.149
3.7339E+02	9.77	.221	3.6446E+02	7.03	.303	3.5584E+02	11.71	.183
3.7323E+02	8.82	.164	3.6430E+02	13.83	.217	3.5554E+02	10.29	.179
3.7307E+02	6.93	.207	3.6415E+02	23.59	.276	3.5539E+02	13.30	.134
3.7290E+02	5.65	.224	3.6383E+02	44.96	.128	3.5524E+02	15.76	.129
3.7274E+02	5.97	.257	3.6368E+02	50.07	.086	3.5509E+02	14.55	.114
3.7242E+02	7.39	.245	3.6352E+02	52.65	.084	3.5494E+02	13.54	.143
3.7226E+02	7.77	.229	3.6336E+02	49.30	.103	3.5464E+02	8.97	.201
3.7209E+02	8.55	.176	3.6305E+02	27.27	.176	3.5449E+02	9.14	.181
3.7193E+02	10.03	.207	3.6290E+02	21.53	.206	3.5434E+02	8.70	.199
3.7161E+02	14.36	.128	3.6274E+02	14.84	.164	3.5419E+02	7.05	.310
3.7145E+02	16.69	.126	3.6259E+02	11.45	.202	3.5389E+02	1.05	2.613
3.7129E+02	21.86	.126	3.6243E+02	9.23	.386	3.5374E+02	-3.57	.781
3.7113E+02	27.65	.121	3.6212E+02	1.45	2.262	3.5359E+02	-5.87	.453
3.7097E+02	30.23	.185	3.6197E+02	4.52	.615	3.5344E+02	-1.42	1.738
3.7064E+02	25.90	.163	3.6181E+02	9.64	.348	3.5329E+02	1.61	1.961
3.7048E+02	22.22	.132	3.6166E+02	13.22	.304	3.5299E+02	11.39	.269
3.7032E+02	19.31	.112	3.6135E+02	17.58	.227	3.5284E+02	9.54	.240
3.7016E+02	19.39	.141	3.6119E+02	19.64	.177	3.5269E+02	5.71	.302
3.6984E+02	11.27	.154	3.6104E+02	19.56	.206	3.5254E+02	2.96	.793
3.6968E+02	9.98	.157	3.6088E+02	17.94	.146	3.5225E+02	6.50	.395
3.6952E+02	8.30	.190	3.6073E+02	18.03	.201	3.5210E+02	8.22	.263
3.6936E+02	6.45	.242	3.6042E+02	12.07	.180	3.5195E+02	13.13	.175
3.6904E+02	5.48	.212	3.6027E+02	11.73	.154	3.5180E+02	20.78	.160
3.6888E+02	6.33	.183	3.6011E+02	12.62	.137	3.5150E+02	21.99	.176
3.6872E+02	6.97	.182	3.5996E+02	12.98	.169	3.5135E+02	22.91	.149
3.6857E+02	7.79	.179	3.5965E+02	10.20	.187	3.5121E+02	26.51	.135
3.6841E+02	8.76	.247	3.5950E+02	9.29	.171	3.5106E+02	27.73	.143

E(EV)	S(8)	DS/S	E(EV)	S(8)	DS/S	E(EV)	S(8)	DS/S
3.5091E+02	26.15	.142	3.4263E+02	24.28	.119	3.3477E+02	22.63	.111
3.5061E+02	14.72	.158	3.4249E+02	27.40	.123	3.3464E+02	23.03	.149
3.5047E+02	11.92	.165	3.4234E+02	26.01	.177	3.3436E+02	9.97	.194
3.5032E+02	8.56	.186	3.4206E+02	27.37	.150	3.3422E+02	7.77	.255
3.5017E+02	7.89	.227	3.4192E+02	28.54	.110	3.3408E+02	10.88	.223
3.4988E+02	10.29	.189	3.4177E+02	29.88	.113	3.3395E+02	13.06	.198
3.4973E+02	8.37	.235	3.4163E+02	29.82	.104	3.3367E+02	7.64	.317
3.4958E+02	6.37	.324	3.4149E+02	26.72	.113	3.3353E+02	7.49	.268
3.4944E+02	7.13	.203	3.4120E+02	18.75	.211	3.3340E+02	7.99	.282
3.4929E+02	7.62	.198	3.4106E+02	15.96	.168	3.3326E+02	7.07	.204
3.4900E+02	6.61	.229	3.4092E+02	11.97	.149	3.3312E+02	6.45	.240
3.4885E+02	8.53	.195	3.4078E+02	10.64	.190	3.3285E+02	6.60	.312
3.4870E+02	10.02	.175	3.4050E+02	10.59	.329	3.3271E+02	5.97	.371
3.4856E+02	8.75	.225	3.4035E+02	9.06	.285	3.3258E+02	5.37	.304
3.4826E+02	4.86	.364	3.4021E+02	8.70	.287	3.3244E+02	6.11	.321
3.4812E+02	4.23	.463	3.4007E+02	9.05	.327	3.3217E+02	9.25	.192
3.4797E+02	3.78	.512	3.3993E+02	10.30	.253	3.3203E+02	8.99	.174
3.4783E+02	3.28	.397	3.3965E+02	16.99	.179	3.3190E+02	8.76	.176
3.4768E+02	2.59	.661	3.3951E+02	17.56	.184	3.3176E+02	9.07	.224
3.4739E+02	6.13	.324	3.3937E+02	18.48	.132	3.3149E+02	7.43	.208
3.4724E+02	5.91	.254	3.3923E+02	19.16	.146	3.3135E+02	11.00	.155
3.4710E+02	5.80	.243	3.3895E+02	14.37	.138	3.3122E+02	16.20	.162
3.4695E+02	5.47	.365	3.3881E+02	12.25	.153	3.3108E+02	18.49	.162
3.4666E+02	6.56	.320	3.3867E+02	10.10	.176	3.3095E+02	17.32	.150
3.4651E+02	9.64	.331	3.3853E+02	9.51	.167	3.3067E+02	14.48	.154
3.4637E+02	16.61	.274	3.3839E+02	9.54	.191	3.3054E+02	14.02	.156
3.4622E+02	21.41	.298	3.3810E+02	8.73	.201	3.3040E+02	12.07	.163
3.4593E+02	38.62	.122	3.3797E+02	8.05	.213	3.3027E+02	10.34	.206
3.4579E+02	36.74	.120	3.3783E+02	5.96	.229	3.3000E+02	14.50	.152
3.4565E+02	30.04	.108	3.3769E+02	4.56	.265	3.2986E+02	16.79	.169
3.4550E+02	24.40	.098	3.3741E+02	5.27	.267	3.2973E+02	20.04	.229
3.4536E+02	21.85	.118	3.3727E+02	7.19	.256	3.2959E+02	26.68	.199
3.4507E+02	13.11	.179	3.3713E+02	8.15	.269	3.2946E+02	33.44	.148
3.4492E+02	13.19	.158	3.3699E+02	7.66	.344	3.2919E+02	34.25	.153
3.4478E+02	13.81	.135	3.3671E+02	5.83	.236	3.2906E+02	31.38	.130
3.4464E+02	14.27	.151	3.3657E+02	7.65	.329	3.2892E+02	25.45	.150
3.4435E+02	6.27	.428	3.3643E+02	10.83	.340	3.2879E+02	22.74	.308
3.4420E+02	2.87	.879	3.3629E+02	12.53	.163	3.2852E+02	13.15	.195
3.4406E+02	.21	10.353	3.3616E+02	15.05	.170	3.2839E+02	12.52	.161
3.4392E+02	.34	6.432	3.3588E+02	22.12	.164	3.2825E+02	12.45	.155
3.4377E+02	1.88	1.902	3.3574E+02	23.18	.126	3.2812E+02	12.22	.133
3.4349E+02	14.79	.248	3.3560E+02	22.77	.121	3.2799E+02	12.05	.153
3.4334E+02	18.58	.142	3.3546E+02	22.02	.128	3.2772E+02	18.36	.250
3.4320E+02	18.88	.125	3.3519E+02	25.12	.103	3.2758E+02	19.96	.280
3.4306E+02	17.02	.136	3.3505E+02	23.90	.103	3.2745E+02	23.74	.191
3.4277E+02	21.00	.125	3.3491E+02	22.75	.116	3.2732E+02	26.44	.220

E(EV)	S(8)	DS/S	E(EV)	S(8)	DS/S	E(EV)	S(8)	DS/S
3.2705E+02	30.46	.106	3.1972E+02	4.99	.296	3.1264E+02	23.91	.185
3.2692E+02	32.00	.118	3.1959E+02	5.22	.356	3.1239E+02	25.40	.146
3.2678E+02	31.68	.159	3.1947E+02	5.70	.317	3.1227E+02	31.43	.138
3.2665E+02	28.37	.237	3.1921E+02	4.11	.283	3.1214E+02	33.13	.167
3.2639E+02	18.43	.220	3.1908E+02	3.69	.282	3.1202E+02	28.52	.127
3.2625E+02	18.36	.200	3.1895E+02	2.43	.357	3.1177E+02	19.23	.178
3.2612E+02	16.70	.141	3.1882E+02	1.29	.807	3.1165E+02	16.65	.118
3.2599E+02	15.91	.124	3.1857E+02	5.21	.218	3.1152E+02	18.21	.114
3.2586E+02	17.10	.143	3.1844E+02	6.47	.195	3.1140E+02	20.59	.101
3.2559E+02	11.49	.180	3.1831E+02	6.71	.193	3.1127E+02	21.80	.122
3.2546E+02	9.72	.199	3.1818E+02	6.41	.212	3.1103E+02	18.27	.124
3.2533E+02	10.49	.156	3.1806E+02	5.23	.309	3.1091E+02	19.09	.120
3.2520E+02	11.06	.181	3.1780E+02	4.88	.327	3.1078E+02	19.79	.114
3.2493E+02	15.71	.133	3.1767E+02	6.18	.216	3.1066E+02	18.48	.125
3.2480E+02	16.59	.123	3.1755E+02	8.36	.165	3.1041E+02	9.94	.181
3.2467E+02	17.44	.155	3.1742E+02	10.07	.184	3.1029E+02	9.44	.152
3.2454E+02	18.75	.172	3.1717E+02	4.92	.318	3.1017E+02	12.13	.184
3.2441E+02	18.85	.158	3.1704E+02	3.19	.384	3.1004E+02	14.23	.199
3.2414E+02	13.20	.221	3.1691E+02	3.09	.344	3.0992E+02	13.37	.198
3.2401E+02	13.14	.189	3.1678E+02	3.32	.389	3.0967E+02	19.44	.135
3.2388E+02	11.03	.200	3.1653E+02	3.07	.382	3.0955E+02	21.57	.114
3.2375E+02	9.85	.309	3.1640E+02	3.11	.322	3.0943E+02	22.01	.112
3.2349E+02	11.76	.149	3.1628E+02	3.07	.389	3.0931E+02	21.55	.137
3.2336E+02	12.78	.141	3.1615E+02	2.70	.430	3.0906E+02	19.03	.170
3.2323E+02	12.23	.150	3.1602E+02	1.92	.585	3.0894E+02	15.40	.162
3.2309E+02	11.84	.140	3.1577E+02	3.20	.465	3.0882E+02	11.46	.143
3.2296E+02	11.62	.170	3.1565E+02	3.18	.453	3.0870E+02	9.27	.176
3.2270E+02	8.69	.186	3.1552E+02	2.89	.362	3.0845E+02	8.30	.249
3.2257E+02	7.07	.194	3.1539E+02	2.38	.517	3.0833E+02	8.04	.179
3.2244E+02	5.54	.213	3.1514E+02	2.72	.409	3.0821E+02	8.23	.175
3.2231E+02	5.40	.283	3.1502E+02	2.69	.354	3.0809E+02	8.57	.147
3.2205E+02	6.16	.235	3.1489E+02	3.24	.322	3.0797E+02	8.32	.164
3.2192E+02	7.05	.221	3.1476E+02	3.13	.311	3.0772E+02	11.39	.154
3.2179E+02	7.26	.207	3.1464E+02	2.13	.511	3.0760E+02	15.54	.128
3.2166E+02	7.28	.258	3.1439E+02	2.64	.418	3.0748E+02	17.08	.119
3.2140E+02	11.12	.156	3.1426E+02	2.73	.351	3.0736E+02	14.41	.145
3.2127E+02	10.53	.140	3.1414E+02	3.36	.289	3.0711E+02	13.06	.219
3.2114E+02	10.46	.148	3.1401E+02	4.41	.309	3.0699E+02	12.67	.152
3.2101E+02	9.43	.144	3.1376E+02	1.86	.801	3.0687E+02	11.23	.171
3.2088E+02	7.62	.188	3.1364E+02	1.29	1.045	3.0675E+02	11.69	.166
3.2063E+02	5.53	.227	3.1351E+02	2.41	.468	3.0663E+02	12.97	.159
3.2050E+02	6.48	.212	3.1339E+02	3.12	.555	3.0639E+02	10.72	.205
3.2037E+02	5.80	.207	3.1314E+02	6.52	.293	3.0627E+02	11.60	.155
3.2024E+02	4.95	.279	3.1301E+02	9.44	.293	3.0615E+02	13.62	.152
3.1998E+02	4.78	.216	3.1289E+02	15.63	.226	3.0603E+02	16.38	.233
3.1985E+02	5.11	.212	3.1276E+02	21.31	.133	3.0579E+02	13.20	.196

E(EV)	S(B)	DS/S	E(EV)	S(B)	DS/S	E(EV)	S(B)	DS/S
3.0567E+02	10.80	.134	2.9497E+02	8.47	.168	2.6514E+02	20.31	.187
3.0555E+02	8.57	.196	2.9427E+02	11.27	.267	2.6458E+02	19.27	.168
3.0543E+02	6.90	.290	2.9358E+02	7.78	.219	2.6393E+02	14.67	.175
3.0531E+02	5.98	.364	2.9288E+02	6.92	.213	2.6338E+02	14.37	.200
3.0507E+02	5.06	.250	2.9219E+02	14.98	.278	2.6283E+02	14.66	.243
3.0495E+02	5.74	.197	2.9150E+02	16.06	.401	2.6217E+02	10.38	.181
3.0483E+02	6.94	.231	2.9081E+02	9.32	.200	2.6163E+02	9.06	.189
3.0471E+02	6.26	.390	2.9011E+02	6.99	.225	2.6097E+02	7.08	.176
3.0447E+02	6.93	.235	2.8942E+02	6.94	.253	2.6043E+02	7.95	.170
3.0435E+02	6.69	.209	2.8874E+02	5.87	.355	2.5988E+02	10.01	.339
3.0423E+02	7.51	.178	2.8805E+02	8.37	.261	2.5934E+02	21.17	.377
3.0411E+02	8.53	.197	2.8736E+02	19.52	.202	2.5868E+02	26.82	.307
3.0387E+02	7.87	.172	2.8667E+02	19.82	.151	2.5814E+02	16.84	.198
3.0375E+02	6.59	.188	2.8610E+02	20.83	.130	2.5760E+02	13.06	.132
3.0363E+02	5.08	.238	2.8542E+02	21.82	.277	2.5706E+02	13.13	.184
3.0351E+02	4.49	.271	2.8473E+02	16.55	.229	2.5641E+02	12.21	.141
3.0340E+02	4.33	.405	2.8405E+02	12.19	.240	2.5587E+02	11.70	.279
3.0316E+02	4.56	.283	2.8337E+02	10.76	.150	2.5533E+02	18.12	.357
3.0304E+02	3.97	.317	2.8280E+02	9.15	.250	2.5479E+02	17.04	.357
3.0292E+02	3.44	.347	2.8212E+02	9.83	.198	2.5414E+02	12.65	.136
3.0280E+02	4.04	.319	2.8132E+02	6.86	.199	2.5360E+02	14.35	.126
3.0257E+02	6.49	.309	2.8064E+02	9.68	.172	2.5307E+02	13.52	.127
3.0245E+02	6.90	.310	2.7997E+02	13.88	.294	2.5253E+02	20.16	.252
3.0233E+02	6.19	.260	2.7940E+02	11.05	.158	2.5199E+02	19.54	.103
3.0221E+02	4.55	.288	2.7872E+02	13.63	.216	2.5146E+02	19.80	.289
3.0209E+02	3.28	.346	2.7805E+02	33.74	.511	2.5092E+02	27.44	.271
3.0185E+02	4.20	.408	2.7749E+02	47.29	.399	2.5028E+02	17.58	.157
3.0174E+02	4.07	.317	2.7681E+02	38.19	.298	2.4974E+02	16.61	.285
3.0162E+02	3.17	.374	2.7614E+02	29.50	.091	2.4921E+02	41.92	.290
3.0150E+02	3.24	.405	2.7558E+02	34.51	.200	2.4868E+02	31.44	.322
3.0127E+02	4.57	.253	2.7490E+02	24.24	.225	2.4815E+02	21.66	.096
3.0115E+02	3.38	.292	2.7434E+02	24.11	.173	2.4761E+02	23.67	.227
3.0103E+02	2.64	.422	2.7367E+02	48.34	.417	2.4708E+02	23.56	.123
3.0091E+02	2.91	.269	2.7300E+02	36.94	.261	2.4655E+02	18.25	.102
3.0080E+02	3.15	.325	2.7244E+02	25.08	.111	2.4602E+02	19.92	.215
3.0056E+02	2.76	.486	2.7178E+02	22.96	.130	2.4549E+02	36.51	.213
3.0044E+02	1.87	.744	2.7122E+02	22.78	.118	2.4496E+02	23.87	.106
3.0033E+02	1.09	.967	2.7055E+02	19.63	.118	2.4444E+02	23.77	.150
3.0021E+02	1.85	.960	2.7000E+02	22.43	.129	2.4391E+02	44.62	.367
2.9986E+02	4.31	.287	2.6933E+02	22.68	.196	2.4338E+02	75.64	.074
2.9916E+02	5.25	.232	2.6878E+02	12.07	.236	2.4285E+02	39.63	.083
2.9846E+02	11.12	.416	2.6811E+02	10.79	.149	2.4233E+02	41.08	.092
2.9776E+02	17.64	.249	2.6756E+02	11.73	.149	2.4180E+02	38.99	.150
2.9706E+02	12.89	.138	2.6690E+02	19.68	.400	2.4128E+02	37.59	.096
2.9636E+02	11.31	.207	2.6635E+02	38.82	.319	2.4075E+02	76.15	.156
2.9566E+02	10.00	.164	2.6568E+02	27.00	.193	2.4023E+02	81.83	.076

E(EV)	S(B)	OS/S	E(EV)	S(B)	OS/S	E(EV)	S(B)	DS/S
2.3981E+02	51.98	.206	2.1764E+02	16.01	.133	1.9854E+02	17.02	.170
2.3929E+02	46.98	.091	2.1724E+02	16.47	.153	1.9816E+02	13.56	.133
2.3876E+02	36.14	.128	2.1674E+02	14.28	.152	1.9787E+02	11.73	.190
2.3824E+02	28.00	.218	2.1635E+02	11.91	.134	1.9749E+02	9.60	.472
2.3772E+02	19.58	.190	2.1595E+02	8.58	.225	1.9711E+02	10.33	.595
2.3720E+02	16.95	.129	2.1545E+02	8.60	.149	1.9673E+02	21.18	.208
2.3668E+02	15.75	.138	2.1506E+02	9.25	.233	1.9636E+02	27.73	.269
2.3627E+02	13.34	.137	2.1456E+02	20.61	.477	1.9598E+02	28.28	.164
2.3575E+02	11.10	.167	2.1417E+02	25.38	.289	1.9551E+02	22.70	.192
2.3512E+02	14.47	.129	2.1377E+02	18.90	.102	1.9513E+02	26.19	.163
2.3461E+02	15.79	.181	2.1328E+02	17.98	.094	1.9475E+02	18.05	.111
2.3409E+02	12.01	.130	2.1288E+02	16.46	.197	1.9437E+02	17.21	.116
2.3368E+02	15.85	.298	2.1249E+02	10.20	.113	1.9400E+02	20.05	.161
2.3316E+02	14.92	.123	2.1200E+02	9.66	.114	1.9371E+02	23.98	.145
2.3264E+02	14.42	.149	2.1160E+02	11.11	.156	1.9334E+02	24.12	.219
2.3213E+02	11.58	.193	2.1121E+02	9.77	.196	1.9296E+02	18.63	.170
2.3172E+02	11.20	.223	2.1072E+02	7.56	.136	1.9259E+02	15.50	.194
2.3120E+02	10.91	.189	2.1033E+02	9.25	.291	1.9221E+02	11.12	.254
2.3069E+02	13.36	.403	2.0994E+02	11.34	.223	1.9184E+02	10.33	.209
2.3028E+02	21.74	.119	2.0945E+02	8.87	.211	1.9146E+02	6.78	.133
2.2977E+02	17.53	.184	2.0906E+02	6.65	.254	1.9109E+02	6.78	.154
2.2926E+02	12.98	.163	2.0866E+02	6.69	.328	1.9072E+02	6.63	.145
2.2874E+02	13.22	.213	2.0827E+02	5.82	.232	1.9034E+02	6.26	.338
2.2834E+02	10.63	.289	2.0779E+02	5.33	.208	1.8997E+02	7.41	.225
2.2783E+02	8.10	.212	2.0740E+02	4.29	.276	1.8969E+02	6.07	.141
2.2742E+02	6.19	.186	2.0701E+02	3.82	.244	1.8932E+02	5.63	.216
2.2691E+02	7.85	.284	2.0662E+02	4.29	.245	1.8895E+02	5.28	.266
2.2640E+02	9.78	.251	2.0623E+02	4.75	.181	1.8848E+02	4.52	.233
2.2599E+02	7.27	.182	2.0575E+02	3.03	.298	1.8820E+02	3.76	.276
2.2549E+02	6.18	.180	2.0536E+02	5.18	.240	1.8783E+02	1.86	.279
2.2498E+02	6.62	.278	2.0497E+02	23.52	.587	1.8746E+02	1.60	.348
2.2457E+02	6.03	.287	2.0458E+02	67.78	.237	1.8719E+02	1.61	.331
2.2407E+02	5.06	.174	2.0420E+02	66.41	.154	1.8681E+02	2.45	.264
2.2356E+02	4.62	.361	2.0381E+02	53.78	.071	1.8645E+02	2.49	.228
2.2306E+02	7.97	.480	2.0333E+02	55.89	.154	1.8608E+02	1.80	.593
2.2265E+02	23.75	.421	2.0294E+02	60.23	.133	1.8571E+02	2.85	.218
2.2215E+02	28.80	.238	2.0256E+02	56.53	.080	1.8534E+02	4.68	.335
2.2175E+02	27.40	.139	2.0218E+02	70.93	.204	1.8506E+02	5.02	.159
2.2124E+02	31.02	.183	2.0169E+02	92.28	.155	1.8470E+02	6.33	.457
2.2084E+02	30.70	.130	2.0131E+02	68.62	.162	1.8433E+02	16.43	.265
2.2034E+02	24.78	.162	2.0093E+02	51.00	.118	1.8405E+02	26.22	.108
2.1994E+02	18.04	.113	2.0055E+02	51.63	.150	1.8360E+02	34.08	.165
2.1944E+02	15.08	.131	2.0016E+02	39.42	.161	1.8332E+02	51.23	.202
2.1904E+02	13.29	.129	1.9978E+02	26.77	.194	1.8295E+02	47.59	.170
2.1854E+02	17.86	.231	1.9930E+02	20.67	.102	1.8259E+02	35.37	.085
2.1814E+02	18.35	.109	1.9892E+02	18.89	.129	1.8232E+02	33.89	.101

E(EV)	S(B)	DS/S	E(EV)	S(B)	DS/S	E(EV)	S(B)	DS/S
1.8195E+02	29.13	.131	1.6731E+02	18.09	.210	1.5436E+02	5.19	.144
1.8159E+02	19.71	.166	1.6696E+02	18.49	.115	1.5411E+02	3.95	.176
1.8122E+02	20.12	.184	1.6669E+02	14.73	.117	1.5378E+02	6.12	.156
1.8095E+02	18.53	.226	1.6643E+02	13.44	.255	1.5352E+02	9.71	.166
1.8059E+02	20.92	.320	1.6608E+02	14.48	.111	1.5336E+02	22.68	.075
1.8031E+02	20.14	.201	1.6582E+02	16.18	.127	1.5302E+02	29.62	.075
1.7995E+02	16.92	.237	1.6548E+02	14.89	.128	1.5277E+02	24.77	.078
1.7959E+02	14.88	.247	1.6521E+02	12.07	.143	1.5252E+02	23.31	.080
1.7923E+02	13.59	.152	1.6495E+02	16.03	.121	1.5219E+02	18.96	.148
1.7895E+02	11.45	.111	1.6469E+02	27.74	.252	1.5194E+02	11.89	.103
1.7859E+02	12.29	.260	1.6435E+02	44.13	.103	1.5177E+02	9.14	.110
1.7832E+02	15.13	.137	1.6400E+02	39.00	.070	1.5152E+02	8.26	.114
1.7796E+02	17.10	.148	1.6374E+02	38.00	.160	1.5119E+02	8.08	.106
1.7760E+02	15.89	.106	1.6348E+02	36.95	.108	1.5094E+02	12.39	.119
1.7724E+02	21.34	.111	1.6314E+02	31.63	.088	1.5069E+02	31.34	.248
1.7697E+02	28.76	.312	1.6288E+02	26.07	.080	1.5044E+02	48.09	.094
1.7661E+02	58.94	.357	1.6262E+02	19.58	.115	1.5019E+02	45.43	.075
1.7634E+02	125.23	.184	1.6236E+02	16.76	.116	1.4994E+02	41.21	.117
1.7598E+02	123.68	.132	1.6202E+02	15.38	.181	1.4961E+02	37.40	.180
1.7562E+02	102.46	.109	1.6176E+02	12.33	.128	1.4945E+02	26.52	.151
1.7536E+02	95.72	.162	1.6150E+02	11.71	.141	1.4920E+02	19.93	.129
1.7500E+02	82.65	.111	1.6124E+02	9.74	.219	1.4895E+02	16.64	.168
1.7473E+02	65.01	.108	1.6090E+02	10.40	.163	1.4862E+02	12.47	.114
1.7437E+02	54.07	.107	1.6064E+02	12.36	.284	1.4846E+02	11.24	.132
1.7402E+02	43.76	.090	1.6038E+02	23.36	.265	1.4821E+02	8.98	.112
1.7375E+02	39.58	.098	1.6004E+02	37.59	.319	1.4788E+02	8.68	.114
1.7348E+02	36.35	.114	1.5979E+02	54.34	.134	1.4772E+02	9.09	.173
1.7313E+02	30.80	.142	1.5953E+02	56.54	.111	1.4747E+02	7.79	.144
1.7286E+02	25.99	.152	1.5927E+02	52.81	.079	1.4714E+02	6.88	.174
1.7250E+02	18.97	.120	1.5893E+02	50.97	.082	1.4698E+02	5.76	.150
1.7215E+02	14.80	.118	1.5868E+02	49.69	.079	1.4673E+02	4.76	.147
1.7188E+02	10.99	.141	1.5842E+02	41.05	.091	1.4641E+02	4.03	.158
1.7162E+02	10.13	.281	1.5817E+02	36.18	.086	1.4624E+02	4.19	.173
1.7126E+02	7.87	.272	1.5783E+02	32.81	.143	1.4600E+02	9.31	.148
1.7091E+02	6.52	.276	1.5757E+02	36.76	.194	1.4567E+02	25.17	.084
1.7065E+02	5.72	.247	1.5732E+02	39.94	.120	1.4551E+02	37.34	.088
1.7029E+02	6.20	.167	1.5706E+02	35.25	.076	1.4526E+02	32.62	.082
1.7003E+02	6.14	.164	1.5672E+02	30.58	.089	1.4494E+02	26.92	.084
1.6968E+02	6.18	.281	1.5647E+02	29.04	.080	1.4477E+02	23.92	.179
1.6941E+02	5.75	.155	1.5622E+02	22.65	.097	1.4453E+02	17.70	.211
1.6906E+02	4.85	.280	1.5596E+02	16.06	.107	1.4420E+02	11.48	.115
1.6880E+02	6.96	.314	1.5563E+02	10.97	.170	1.4404E+02	9.21	.113
1.6853E+02	14.87	.290	1.5537E+02	9.12	.144	1.4380E+02	8.79	.122
1.6818E+02	21.19	.120	1.5520E+02	7.75	.124	1.4356E+02	8.89	.144
1.6792E+02	17.95	.090	1.5487E+02	8.24	.207	1.4331E+02	8.07	.181
1.6757E+02	17.73	.200	1.5462E+02	6.77	.120	1.4307E+02	6.26	.153

E(EV)	S(B)	DS/S	E(EV)	S(B)	DS/S	E(EV)	S(B)	DS/S
1.4283E+02	4.04	.149	1.3260E+02	5.31	.508	1.2342E+02	.44	1.539
1.4259E+02	4.38	.140	1.3236E+02	7.87	.341	1.2319E+02	.55	1.061
1.4243E+02	5.91	.122	1.3221E+02	3.27	.799	1.2304E+02	1.33	.467
1.4210E+02	6.60	.128	1.3190E+02	5.23	.319	1.2282E+02	1.01	.537
1.4194E+02	5.74	.149	1.3174E+02	3.76	.359	1.2267E+02	.88	.648
1.4170E+02	6.64	.137	1.3159E+02	2.88	.411	1.2244E+02	.29	2.034
1.4138E+02	8.41	.204	1.3127E+02	3.52	.319	1.2222E+02	.35	1.876
1.4122E+02	6.54	.191	1.3112E+02	7.61	.164	1.2207E+02	.32	2.078
1.4098E+02	5.74	.237	1.3089E+02	22.37	.104	1.2184E+02	.26	2.209
1.4073E+02	4.19	.245	1.3073E+02	34.26	.102	1.2170E+02	.98	.586
1.4049E+02	3.38	.318	1.3050E+02	30.04	.103	1.2147E+02	2.31	.289
1.4026E+02	2.62	.439	1.3027E+02	23.98	.117	1.2132E+02	3.37	.230
1.4002E+02	1.79	.374	1.3012E+02	20.25	.141	1.2110E+02	4.66	.182
1.3985E+02	1.61	.347	1.2988E+02	17.24	.141	1.2095E+02	4.63	.185
1.3953E+02	1.29	.566	1.2965E+02	14.88	.133	1.2080E+02	4.54	.167
1.3937E+02	1.78	.605	1.2950E+02	14.62	.128	1.2058E+02	6.45	.130
1.3914E+02	2.07	.932	1.2927E+02	19.88	.109	1.2043E+02	12.43	.114
1.3890E+02	1.25	1.072	1.2911E+02	29.68	.092	1.2021E+02	15.10	.109
1.3866E+02	3.26	.394	1.2881E+02	45.17	.096	1.2006E+02	15.37	.116
1.3850E+02	4.60	.298	1.2865E+02	56.60	.093	1.1984E+02	11.76	.120
1.3818E+02	4.12	.380	1.2850E+02	58.68	.088	1.1969E+02	8.72	.117
1.3802E+02	2.85	.335	1.2827E+02	48.86	.086	1.1947E+02	6.93	.136
1.3778E+02	2.60	.320	1.2804E+02	36.41	.094	1.1932E+02	5.49	.154
1.3755E+02	2.55	.329	1.2781E+02	28.45	.100	1.1917E+02	5.20	.146
1.3739E+02	5.23	.255	1.2766E+02	24.03	.099	1.1895E+02	6.48	.150
1.3707E+02	7.62	.130	1.2743E+02	19.53	.113	1.1880E+02	8.50	.141
1.3691E+02	10.40	.117	1.2728E+02	15.37	.119	1.1858E+02	13.60	.107
1.3668E+02	15.53	.093	1.2712E+02	13.27	.137	1.1843E+02	20.91	.095
1.3644E+02	23.62	.085	1.2682E+02	12.15	.124	1.1822E+02	24.73	.100
1.3628E+02	25.66	.108	1.2667E+02	11.42	.113	1.1807E+02	23.00	.097
1.3604E+02	22.93	.096	1.2644E+02	9.53	.117	1.1785E+02	20.42	.100
1.3581E+02	21.21	.109	1.2629E+02	7.65	.147	1.1770E+02	16.81	.104
1.3557E+02	18.66	.150	1.2614E+02	6.11	.170	1.1755E+02	13.13	.109
1.3533E+02	13.83	.132	1.2591E+02	5.33	.161	1.1733E+02	10.77	.114
1.3518E+02	9.65	.131	1.2568E+02	4.37	.167	1.1719E+02	8.46	.127
1.3494E+02	7.71	.122	1.2545E+02	3.47	.192	1.1704E+02	7.85	.137
1.3471E+02	7.35	.161	1.2530E+02	2.87	.199	1.1689E+02	8.06	.133
1.3447E+02	5.89	.139	1.2507E+02	2.42	.229	1.1668E+02	8.35	.129
1.3431E+02	6.02	.122	1.2492E+02	1.95	.278	1.1653E+02	7.37	.138
1.3408E+02	7.19	.119	1.2477E+02	1.37	.343	1.1631E+02	7.18	.149
1.3384E+02	8.41	.132	1.2455E+02	1.13	.399	1.1616E+02	9.27	.133
1.3361E+02	8.57	.210	1.2432E+02	.94	.489	1.1595E+02	15.77	.124
1.3345E+02	6.34	.186	1.2409E+02	.45	1.408	1.1580E+02	36.31	.124
1.3322E+02	8.32	.266	1.2394E+02	.35	2.105	1.1558E+02	68.33	.084
1.3298E+02	4.30	.619	1.2379E+02	1.00	.756	1.1544E+02	110.78	.092
1.3283E+02	4.85	.753	1.2357E+02	.75	.955	1.1529E+02	129.07	.082

E(EV)	S(B)	DS/S	E(EV)	S(B)	DS/S	E(EV)	S(B)	DS/S
1.1515E+02	126.18	.082	1.0765E+02	10.05	.123	1.0089E+02	3.24	.219
1.1493E+02	110.84	.077	1.0751E+02	9.73	.128	1.0075E+02	2.91	.225
1.1478E+02	86.76	.081	1.0737E+02	10.86	.115	1.0062E+02	2.62	.265
1.1464E+02	68.70	.080	1.0716E+02	15.74	.102	1.0048E+02	1.98	.344
1.1442E+02	56.19	.089	1.0702E+02	21.76	.096	1.0034E+02	1.23	.658
1.1428E+02	56.33	.083	1.0688E+02	27.56	.094	1.0021E+02	1.91	.494
1.1406E+02	67.59	.069	1.0674E+02	29.09	.094	1.0001E+02	5.89	.141
1.1399E+02	72.20	.071	1.0660E+02	27.05	.097	9.9939E+01	6.85	.132
1.1377E+02	78.54	.087	1.0639E+02	27.29	.097	9.9736E+01	14.69	.093
1.1363E+02	68.41	.080	1.0626E+02	23.09	.089	9.9668E+01	15.78	.091
1.1341E+02	53.74	.083	1.0612E+02	20.03	.103	9.9466E+01	14.88	.102
1.1327E+02	41.64	.081	1.0598E+02	19.79	.119	9.9398E+01	14.47	.095
1.1305E+02	29.52	.076	1.0584E+02	23.16	.103	9.9196E+01	10.97	.112
1.1298E+02	25.66	.078	1.0570E+02	33.65	.096	9.9129E+01	10.19	.104
1.1276E+02	17.93	.099	1.0549E+02	61.06	.092	9.8927E+01	7.66	.118
1.1262E+02	15.31	.117	1.0535E+02	83.64	.088	9.8860E+01	7.31	.100
1.1241E+02	13.80	.113	1.0521E+02	90.68	.091	9.8658E+01	6.51	.170
1.1226E+02	11.17	.131	1.0507E+02	85.43	.090	9.8524E+01	4.30	.157
1.1205E+02	8.16	.101	1.0493E+02	74.97	.097	9.8457E+01	4.02	.163
1.1198E+02	7.40	.118	1.0480E+02	61.86	.091	9.8256E+01	2.96	.187
1.1176E+02	6.13	.151	1.0459E+02	41.04	.079	9.8189E+01	2.75	.181
1.1162E+02	4.77	.186	1.0452E+02	35.87	.073	9.7988E+01	2.07	.203
1.1141E+02	4.30	.208	1.0431E+02	26.91	.094	9.7921E+01	1.95	.193
1.1126E+02	3.56	.219	1.0417E+02	23.14	.104	9.7720E+01	1.57	.225
1.1112E+02	3.00	.284	1.0404E+02	19.35	.102	9.7653E+01	1.49	.201
1.1098E+02	2.90	.289	1.0390E+02	18.70	.100	9.7453E+01	1.24	.405
1.1076E+02	3.10	.261	1.0376E+02	22.59	.091	9.7319E+01	1.42	.338
1.1062E+02	3.25	.251	1.0362E+02	37.56	.096	9.7186E+01	2.02	.280
1.1048E+02	4.59	.188	1.0342E+02	73.46	.076	9.7053E+01	3.66	.127
1.1034E+02	5.04	.189	1.0335E+02	79.79	.072	9.6986E+01	4.11	.125
1.1020E+02	4.79	.173	1.0314E+02	81.22	.071	9.6786E+01	10.01	.096
1.0998E+02	4.19	.196	1.0307E+02	78.93	.064	9.6720E+01	12.93	.092
1.0984E+02	4.62	.171	1.0287E+02	66.03	.080	9.6520E+01	19.74	.099
1.0970E+02	4.82	.171	1.0273E+02	50.33	.087	9.6454E+01	19.56	.105
1.0956E+02	4.27	.203	1.0259E+02	33.38	.087	9.6321E+01	16.41	.256
1.0934E+02	3.72	.228	1.0246E+02	24.01	.099	9.6188E+01	14.12	.319
1.0920E+02	3.53	.228	1.0232E+02	20.04	.102	9.6056E+01	15.40	.283
1.0906E+02	4.11	.188	1.0211E+02	16.24	.080	9.5857E+01	11.48	.198
1.0892E+02	6.07	.146	1.0205E+02	15.38	.082	9.5791E+01	10.14	.199
1.0871E+02	10.66	.115	1.0184E+02	11.10	.087	9.5659E+01	5.24	.467
1.0857E+02	14.65	.111	1.0177E+02	10.15	.085	9.5526E+01	5.63	.316
1.0843E+02	17.52	.106	1.0157E+02	7.85	.120	9.5394E+01	6.23	.289
1.0829E+02	18.79	.111	1.0150E+02	7.42	.126	9.5262E+01	8.05	.213
1.0815E+02	17.59	.119	1.0130E+02	6.30	.156	9.5130E+01	16.04	.127
1.0801E+02	15.54	.119	1.0116E+02	4.30	.174	9.4998E+01	26.04	.108
1.0779E+02	12.52	.110	1.0102E+02	3.59	.208	9.4866E+01	29.21	.097

E(EV)	S(B)	DS/S	E(EV)	S(B)	DS/S	E(EV)	S(B)	DS/S
9.4735E+01	28.27	.095	8.9158E+01	23.11	.074	8.3998E+01	42.08	.090
9.4603E+01	25.32	.095	8.9030E+01	17.09	.081	8.3936E+01	39.45	.076
9.4472E+01	19.48	.080	8.8966E+01	16.08	.075	8.3812E+01	28.51	.108
9.4406E+01	18.31	.074	8.8775E+01	14.18	.088	8.3688E+01	20.09	.100
9.4209E+01	14.74	.093	8.8711E+01	14.21	.078	8.3626E+01	18.07	.093
9.4143E+01	14.51	.087	8.8584E+01	12.42	.116	8.3503E+01	13.71	.146
9.4012E+01	13.84	.123	8.8457E+01	10.92	.114	8.3379E+01	10.94	.109
9.3815E+01	18.02	.082	8.8330E+01	8.91	.123	8.3317E+01	10.25	.101
9.3750E+01	19.93	.085	8.8203E+01	6.82	.105	8.3194E+01	7.65	.128
9.3619E+01	34.11	.100	8.8139E+01	6.41	.093	8.3132E+01	7.34	.110
9.3488E+01	63.65	.099	8.8012E+01	4.67	.160	8.2947E+01	5.89	.183
9.3357E+01	98.14	.086	8.7885E+01	3.92	.176	8.2824E+01	5.33	.130
9.3227E+01	121.23	.085	8.7758E+01	3.21	.193	8.2763E+01	5.44	.125
9.3096E+01	122.84	.088	8.7632E+01	2.40	.178	8.2640E+01	5.18	.145
9.2966E+01	111.91	.071	8.7568E+01	2.27	.156	8.2578E+01	5.09	.123
9.2900E+01	109.66	.071	8.7442E+01	1.94	.275	8.2455E+01	5.07	.188
9.2705E+01	89.04	.075	8.7316E+01	1.74	.227	8.2332E+01	7.04	.115
9.2640E+01	84.54	.073	8.7252E+01	1.70	.215	8.2271E+01	8.18	.100
9.2510E+01	72.75	.090	8.7063E+01	1.13	.366	8.2148E+01	18.41	.140
9.2380E+01	64.77	.095	8.7000E+01	1.03	.332	8.2026E+01	33.93	.076
9.2250E+01	57.90	.097	8.6874E+01	.68	.864	8.1965E+01	36.94	.074
9.2120E+01	56.56	.092	8.6748E+01	.62	.874	8.1842E+01	40.41	.074
9.1990E+01	59.61	.095	8.6685E+01	.93	.488	8.1781E+01	39.48	.068
9.1860E+01	64.33	.078	8.6496E+01	1.56	.382	8.1659E+01	31.75	.097
9.1796E+01	65.20	.076	8.6433E+01	1.32	.409	8.1537E+01	22.35	.082
9.1666E+01	63.58	.095	8.6307E+01	.08	19.024	8.1476E+01	20.61	.076
9.1537E+01	59.67	.096	8.6182E+01	-1.17	2.366	8.1353E+01	13.98	.104
9.1407E+01	52.55	.088	8.6119E+01	-1.79	1.359	8.1231E+01	9.28	.099
9.1278E+01	43.72	.094	8.5993E+01	-2.95	1.477	8.1171E+01	8.59	.091
9.1149E+01	37.68	.094	8.5868E+01	1.79	2.335	8.0988E+01	6.38	.112
9.1020E+01	29.47	.078	8.5743E+01	5.98	.785	8.0927E+01	6.09	.099
9.0955E+01	27.79	.071	8.5617E+01	7.54	.353	8.0805E+01	5.15	.162
9.0826E+01	23.27	.105	8.5555E+01	7.48	.297	8.0684E+01	4.61	.131
9.0697E+01	20.01	.104	8.5430E+01	5.95	.396	8.0623E+01	4.61	.117
9.0568E+01	17.06	.110	8.5305E+01	5.61	.225	8.0502E+01	6.60	.098
9.0440E+01	19.87	.100	8.5242E+01	5.85	.203	8.0441E+01	7.17	.085
9.0311E+01	27.18	.092	8.5117E+01	8.00	.245	8.0320E+01	13.06	.115
9.0183E+01	35.51	.076	8.4993E+01	8.19	.218	8.0198E+01	16.16	.087
9.0119E+01	37.06	.070	8.4868E+01	7.86	.257	8.0138E+01	16.12	.079
8.9990E+01	36.58	.092	8.4744E+01	16.74	.149	8.0017E+01	13.96	.115
8.9798E+01	33.42	.072	8.4681E+01	20.32	.140	7.9896E+01	11.25	.088
8.9734E+01	33.28	.070	8.4557E+01	43.61	.110	7.9835E+01	10.68	.081
8.9606E+01	34.90	.076	8.4495E+01	49.09	.094	7.9715E+01	7.92	.133
8.9541E+01	34.97	.070	8.4370E+01	62.15	.123	7.9594E+01	5.44	.106
8.9350E+01	30.88	.095	8.4246E+01	66.05	.104	7.9534E+01	5.20	.102
8.9222E+01	24.30	.074	8.4122E+01	54.14	.112	7.9413E+01	5.14	.127

E(EV)	S(B)	DS/S	E(EV)	S(B)	DS/S	E(EV)	S(B)	DS/S
7.9353E+01	5.21	.102	7.4839E+01	67.91	.071	7.0515E+01	23.65	.073
7.9232E+01	5.16	.159	7.4781E+01	65.16	.068	7.0458E+01	24.89	.096
7.9112E+01	4.96	.120	7.4605E+01	47.41	.069	7.0344E+01	53.34	.074
7.9052E+01	4.92	.103	7.4547E+01	45.94	.087	7.0288E+01	74.34	.088
7.8931E+01	5.20	.154	7.4430E+01	40.71	.094	7.0231E+01	85.17	.125
7.8811E+01	6.85	.104	7.4314E+01	40.79	.075	7.0118E+01	130.64	.095
7.8691E+01	9.68	.123	7.4197E+01	38.60	.104	7.0004E+01	167.89	.063
7.8571E+01	15.91	.086	7.4080E+01	33.79	.081	6.9948E+01	167.58	.070
7.8511E+01	17.80	.080	7.4022E+01	33.10	.114	6.9891E+01	165.65	.095
7.8392E+01	28.25	.102	7.3906E+01	33.05	.128	6.9778E+01	130.10	.066
7.8272E+01	80.07	.101	7.3790E+01	37.06	.091	6.9722E+01	113.44	.066
7.8212E+01	98.07	.091	7.3673E+01	40.89	.109	6.9665E+01	107.15	.080
7.8092E+01	182.99	.072	7.3557E+01	72.65	.087	6.9552E+01	78.65	.099
7.8032E+01	192.08	.067	7.3499E+01	81.28	.121	6.9439E+01	72.59	.065
7.7913E+01	209.22	.085	7.3383E+01	122.71	.096	6.9383E+01	74.21	.071
7.7794E+01	191.22	.075	7.3268E+01	287.70	.067	6.9327E+01	75.18	.096
7.7734E+01	185.57	.068	7.3210E+01	367.85	.067	6.9214E+01	83.61	.069
7.7615E+01	150.33	.091	7.3152E+01	399.63	.082	6.9158E+01	83.24	.090
7.7496E+01	104.09	.076	7.3036E+01	579.34	.066	6.9045E+01	65.49	.064
7.7436E+01	97.04	.071	7.2978E+01	596.99	.081	6.8989E+01	56.83	.073
7.7317E+01	71.43	.091	7.2863E+01	584.96	.085	6.8933E+01	52.30	.102
7.7198E+01	57.14	.075	7.2747E+01	518.37	.070	6.8821E+01	37.25	.067
7.7139E+01	55.20	.070	7.2632E+01	417.36	.085	6.8765E+01	32.25	.076
7.7020E+01	41.67	.073	7.2517E+01	301.20	.069	6.8709E+01	29.90	.108
7.6961E+01	39.80	.064	7.2459E+01	283.05	.090	6.8597E+01	22.04	.111
7.6901E+01	36.74	.069	7.2344E+01	245.43	.088	6.8485E+01	17.04	.093
7.6783E+01	29.97	.092	7.2229E+01	221.27	.075	6.8373E+01	14.46	.122
7.6664E+01	24.19	.085	7.2114E+01	205.51	.092	6.8261E+01	10.19	.076
7.6605E+01	23.43	.084	7.1999E+01	180.29	.067	6.8205E+01	8.14	.098
7.6487E+01	18.69	.215	7.1942E+01	172.54	.083	6.8149E+01	7.18	.170
7.6428E+01	18.08	.217	7.1827E+01	115.40	.065	6.8037E+01	6.05	.094
7.6309E+01	19.41	.376	7.1770E+01	96.46	.075	6.7982E+01	5.98	.089
7.6191E+01	28.56	.156	7.1713E+01	87.94	.107	6.7926E+01	5.92	.126
7.6132E+01	30.73	.113	7.1598E+01	69.01	.092	6.7814E+01	4.77	.216
7.6014E+01	46.35	.128	7.1484E+01	46.24	.069	6.7703E+01	4.39	.154
7.5896E+01	116.07	.098	7.1426E+01	39.07	.068	6.7592E+01	4.98	.163
7.5778E+01	210.82	.090	7.1369E+01	36.70	.084	6.7481E+01	4.67	.153
7.5661E+01	269.17	.072	7.1255E+01	25.14	.074	6.7369E+01	4.19	.220
7.5602E+01	276.15	.066	7.1198E+01	23.82	.101	6.7258E+01	4.14	.113
7.5484E+01	277.13	.083	7.1084E+01	18.05	.070	6.7203E+01	4.22	.107
7.5367E+01	245.61	.070	7.1027E+01	15.81	.078	6.7148E+01	4.30	.150
7.5308E+01	240.80	.067	7.0970E+01	14.76	.109	6.7037E+01	3.79	.122
7.5191E+01	161.37	.081	7.0856E+01	12.52	.117	6.6981E+01	3.81	.112
7.5132E+01	143.88	.066	7.0742E+01	14.98	.071	6.6926E+01	3.86	.163
7.5073E+01	118.43	.063	7.0685E+01	16.34	.071	6.6815E+01	4.51	.099
7.4956E+01	82.60	.096	7.0628E+01	16.85	.091	6.6760E+01	4.75	.097

E(EV)	S(B)	DS/S	E(EV)	S(B)	DS/S	E(EV)	S(B)	DS/S
6.6705E+01	4.85	.141	6.2893E+01	.95	1.028	5.9402E+01	549.38	.060
6.6594E+01	5.08	.179	6.2786E+01	1.14	.630	5.9350E+01	471.78	.063
6.6484E+01	5.12	.144	6.2732E+01	1.29	.913	5.9298E+01	406.75	.068
6.6374E+01	5.70	.181	6.2625E+01	.97	.858	5.9246E+01	387.20	.088
6.6264E+01	6.35	.132	6.2518E+01	1.22	.880	5.9142E+01	255.50	.074
6.6153E+01	7.51	.181	6.2411E+01	1.99	.352	5.9038E+01	145.63	.069
6.6043E+01	8.73	.079	6.2304E+01	2.97	.189	5.8986E+01	135.70	.093
6.5988E+01	9.26	.084	6.2251E+01	2.96	.324	5.8882E+01	92.48	.075
6.5934E+01	9.74	.090	6.2144E+01	4.34	.174	5.8778E+01	50.51	.069
6.5879E+01	9.94	.129	6.2038E+01	6.16	.099	5.8726E+01	40.66	.071
6.5769E+01	11.65	.083	6.1985E+01	7.87	.103	5.8674E+01	32.77	.074
6.5714E+01	12.52	.087	6.1931E+01	8.86	.153	5.8622E+01	26.76	.082
6.5659E+01	12.92	.121	6.1825E+01	21.38	.079	5.8571E+01	24.68	.117
6.5550E+01	16.45	.076	6.1772E+01	23.67	.113	5.8467E+01	15.87	.092
6.5495E+01	18.44	.076	6.1665E+01	57.49	.093	5.8416E+01	15.25	.104
6.5440E+01	19.45	.100	6.1559E+01	121.82	.066	5.8364E+01	14.74	.125
6.5331E+01	31.42	.068	6.1506E+01	129.83	.064	5.8312E+01	14.35	.201
6.5276E+01	38.00	.075	6.1453E+01	129.45	.064	5.8209E+01	13.44	.182
6.5221E+01	41.03	.104	6.1400E+01	128.67	.078	5.8106E+01	9.32	.157
6.5112E+01	80.61	.064	6.1294E+01	124.78	.062	5.8054E+01	8.78	.270
6.5057E+01	95.36	.064	6.1241E+01	125.70	.063	5.7951E+01	6.36	.115
6.5003E+01	100.47	.080	6.1188E+01	128.43	.065	5.7900E+01	6.11	.189
6.4894E+01	134.54	.063	6.1135E+01	130.47	.076	5.7797E+01	5.41	.120
6.4840E+01	135.40	.067	6.1030E+01	173.18	.063	5.7745E+01	5.41	.122
6.4785E+01	134.73	.086	6.0977E+01	182.05	.062	5.7694E+01	5.37	.123
6.4676E+01	108.25	.066	6.0924E+01	182.62	.076	5.7642E+01	5.29	.175
6.4622E+01	93.26	.065	6.0818E+01	165.43	.064	5.7540E+01	4.87	.140
6.4567E+01	82.05	.063	6.0765E+01	147.08	.067	5.7437E+01	4.27	.108
6.4513E+01	78.16	.074	6.0713E+01	128.12	.067	5.7386E+01	3.81	.116
6.4404E+01	56.78	.099	6.0660E+01	121.26	.081	5.7335E+01	3.44	.125
6.4296E+01	41.26	.081	6.0555E+01	72.27	.065	5.7284E+01	3.31	.135
6.4187E+01	29.08	.104	6.0502E+01	61.23	.067	5.7232E+01	3.35	.196
6.4079E+01	20.64	.088	6.0449E+01	55.22	.068	5.7130E+01	3.70	.109
6.3971E+01	13.59	.085	6.0397E+01	53.43	.087	5.7079E+01	3.32	.124
6.3917E+01	12.80	.126	6.0292E+01	45.13	.080	5.7028E+01	3.03	.126
6.3809E+01	8.99	.089	6.0187E+01	38.04	.074	5.6977E+01	2.86	.150
6.3755E+01	7.37	.106	6.0134E+01	37.27	.103	5.6926E+01	2.79	.256
6.3701E+01	6.75	.170	6.0029E+01	40.23	.082	5.6823E+01	2.58	.237
6.3593E+01	5.21	.177	5.9925E+01	83.35	.070	5.6722E+01	2.73	.146
6.3485E+01	2.17	.325	5.9872E+01	119.80	.071	5.6671E+01	2.76	.137
6.3431E+01	1.56	.735	5.9820E+01	157.12	.075	5.6620E+01	2.70	.113
6.3323E+01	1.20	.549	5.9768E+01	173.59	.103	5.6569E+01	2.68	.143
6.3269E+01	1.38	.563	5.9663E+01	436.25	.066	5.6518E+01	2.73	.244
6.3216E+01	1.41	.916	5.9611E+01	521.64	.064	5.6416E+01	5.76	.092
6.3108E+01	1.01	.964	5.9559E+01	572.18	.065	5.6366E+01	8.05	.085
6.3001E+01	.43	3.700	5.9506E+01	590.43	.081	5.6315E+01	10.99	.076

E(EV)	S(B)	DS/S	E(EV)	S(B)	DS/S	E(EV)	S(B)	DS/S
5.6264E+01	14.72	.071	5.3359E+01	22.14	.130	5.0627E+01	139.86	.061
5.6213E+01	19.70	.069	5.3260E+01	14.34	.081	5.0579E+01	145.59	.072
5.6162E+01	24.05	.070	5.3211E+01	13.55	.122	5.0483E+01	132.40	.060
5.6112E+01	25.53	.089	5.3112E+01	9.68	.093	5.0435E+01	127.26	.072
5.6011E+01	27.86	.065	5.3063E+01	8.21	.160	5.0339E+01	90.14	.060
5.5960E+01	27.75	.081	5.2964E+01	4.60	.183	5.0291E+01	84.60	.061
5.5859E+01	21.41	.082	5.2915E+01	4.39	.229	5.0243E+01	83.21	.073
5.5808E+01	20.43	.112	5.2866E+01	4.63	.238	5.0147E+01	97.49	.062
5.5707E+01	10.94	.069	5.2817E+01	5.15	.203	5.0099E+01	105.40	.065
5.5657E+01	9.85	.096	5.2768E+01	5.87	.210	5.0051E+01	109.51	.082
5.5556E+01	5.68	.099	5.2718E+01	6.36	.351	4.9956E+01	120.93	.064
5.5505E+01	4.74	.106	5.2620E+01	6.19	.131	4.9908E+01	111.07	.064
5.5455E+01	4.19	.095	5.2571E+01	6.65	.131	4.9860E+01	97.26	.064
5.5405E+01	3.92	.104	5.2522E+01	6.74	.204	4.9812E+01	82.56	.067
5.5354E+01	3.79	.168	5.2424E+01	6.44	.108	4.9764E+01	67.39	.073
5.5254E+01	5.67	.081	5.2375E+01	6.69	.156	4.9717E+01	54.64	.073
5.5203E+01	6.36	.115	5.2277E+01	8.89	.087	4.9669E+01	44.36	.068
5.5103E+01	14.83	.074	5.2228E+01	10.49	.080	4.9621E+01	35.22	.073
5.5053E+01	17.76	.072	5.2179E+01	11.77	.081	4.9574E+01	26.56	.079
5.5002E+01	19.67	.068	5.2131E+01	12.29	.082	4.9526E+01	21.05	.080
5.4952E+01	20.17	.069	5.2082E+01	12.08	.081	4.9478E+01	16.93	.087
5.4902E+01	20.24	.092	5.2033E+01	12.13	.079	4.9431E+01	14.00	.092
5.4802E+01	14.91	.068	5.1984E+01	13.02	.071	4.9383E+01	12.41	.082
5.4752E+01	13.93	.091	5.1935E+01	15.39	.070	4.9336E+01	13.28	.078
5.4652E+01	7.84	.086	5.1887E+01	18.40	.072	4.9288E+01	15.44	.075
5.4602E+01	5.69	.097	5.1838E+01	19.80	.098	4.9241E+01	18.22	.073
5.4552E+01	4.07	.099	5.1741E+01	33.29	.065	4.9193E+01	22.24	.074
5.4502E+01	3.28	.108	5.1692E+01	35.72	.082	4.9146E+01	29.17	.074
5.4452E+01	2.83	.116	5.1595E+01	36.84	.064	4.9099E+01	41.74	.074
5.4402E+01	2.67	.109	5.1546E+01	35.56	.086	4.9051E+01	63.93	.075
5.4352E+01	2.64	.119	5.1449E+01	24.11	.072	4.9004E+01	98.61	.070
5.4302E+01	2.64	.192	5.1400E+01	19.07	.075	4.8956E+01	138.53	.064
5.4203E+01	2.21	.141	5.1352E+01	14.64	.079	4.8909E+01	182.82	.065
5.4153E+01	2.11	.238	5.1303E+01	10.99	.092	4.8862E+01	237.32	.064
5.4053E+01	1.60	.325	5.1255E+01	8.68	.103	4.8814E+01	289.11	.064
5.4003E+01	1.54	.364	5.1207E+01	8.35	.091	4.8767E+01	343.27	.067
5.3954E+01	1.66	.322	5.1158E+01	8.41	.082	4.8720E+01	377.16	.068
5.3904E+01	1.94	.337	5.1110E+01	8.56	.088	4.8673E+01	370.83	.067
5.3854E+01	2.14	.549	5.1062E+01	9.05	.093	4.8626E+01	339.89	.066
5.3755E+01	6.22	.123	5.1013E+01	10.42	.084	4.8578E+01	285.42	.067
5.3706E+01	7.25	.188	5.0965E+01	13.46	.073	4.8531E+01	228.76	.071
5.3606E+01	16.68	.086	5.0917E+01	18.24	.067	4.8484E+01	182.93	.075
5.3557E+01	19.54	.085	5.0868E+01	25.97	.070	4.8437E+01	140.71	.077
5.3507E+01	21.60	.084	5.0820E+01	36.11	.078	4.8390E+01	115.28	.063
5.3458E+01	22.71	.080	5.0772E+01	41.60	.111	4.8343E+01	94.21	.066
5.3409E+01	22.52	.085	5.0675E+01	120.14	.062	4.8296E+01	75.00	.072

E(EV)	S(B)	DS/S	E(EV)	S(B)	DS/S	E(EV)	S(B)	DS/S
4.8249E+01	61.93	.073	4.5790E+01	.78	.311	4.3485E+01	1.88	.148
4.8202E+01	54.45	.068	4.5744E+01	.70	.336	4.3440E+01	2.43	.123
4.8155E+01	53.01	.081	4.5699E+01	.69	.365	4.3396E+01	2.90	.128
4.8061E+01	50.74	.068	4.5653E+01	.81	.342	4.3351E+01	3.09	.223
4.8014E+01	55.03	.066	4.5607E+01	1.12	.270	4.3262E+01	2.06	.151
4.7967E+01	58.40	.064	4.5561E+01	1.36	.367	4.3217E+01	1.76	.218
4.7920E+01	59.58	.077	4.5470E+01	1.89	.175	4.3173E+01	1.53	.266
4.7827E+01	76.28	.065	4.5425E+01	3.19	.136	4.3129E+01	1.42	.243
4.7780E+01	75.07	.064	4.5379E+01	6.34	.100	4.3084E+01	1.34	.270
4.7733E+01	71.15	.061	4.5333E+01	11.08	.079	4.3040E+01	1.01	.390
4.7687E+01	68.71	.071	4.5288E+01	15.56	.070	4.2995E+01	.57	.667
4.7593E+01	44.36	.063	4.5242E+01	17.73	.091	4.2951E+01	.35	.851
4.7546E+01	35.37	.065	4.5151E+01	35.19	.062	4.2907E+01	.33	.821
4.7500E+01	28.32	.067	4.5106E+01	41.19	.061	4.2862E+01	.36	1.308
4.7453E+01	25.50	.088	4.5060E+01	47.56	.062	4.2774E+01	.10	2.590
4.7360E+01	15.57	.071	4.5015E+01	54.52	.065	4.2729E+01	-.28	.933
4.7313E+01	12.61	.075	4.4970E+01	63.24	.072	4.2685E+01	-.55	.557
4.7267E+01	10.34	.078	4.4924E+01	76.50	.070	4.2641E+01	-.82	.468
4.7220E+01	8.70	.082	4.4879E+01	91.11	.062	4.2597E+01	-1.03	.417
4.7174E+01	7.57	.088	4.4834E+01	101.13	.063	4.2553E+01	-.73	.557
4.7128E+01	6.50	.089	4.4788E+01	107.68	.066	4.2509E+01	-.44	.799
4.7081E+01	5.30	.096	4.4743E+01	104.40	.066	4.2465E+01	-.71	.543
4.7035E+01	4.31	.110	4.4698E+01	91.58	.064	4.2420E+01	-.95	.450
4.6988E+01	3.96	.111	4.4653E+01	76.33	.062	4.2376E+01	-.94	.455
4.6942E+01	3.88	.119	4.4607E+01	62.61	.066	4.2332E+01	-.54	.701
4.6896E+01	3.65	.125	4.4562E+01	56.14	.096	4.2288E+01	.03	11.306
4.6849E+01	3.06	.141	4.4472E+01	29.05	.068	4.2244E+01	.31	2.026
4.6803E+01	2.32	.178	4.4427E+01	20.39	.080	4.2157E+01	.62	.456
4.6757E+01	1.87	.188	4.4382E+01	14.62	.086	4.2113E+01	.46	.569
4.6710E+01	1.79	.284	4.4337E+01	11.28	.089	4.2069E+01	.29	.948
4.6618E+01	1.94	.181	4.4292E+01	8.99	.081	4.2025E+01	.18	1.787
4.6572E+01	1.64	.204	4.4247E+01	7.26	.080	4.1981E+01	.20	1.590
4.6526E+01	1.25	.241	4.4202E+01	6.47	.118	4.1937E+01	.18	1.271
4.6479E+01	.89	.320	4.4112E+01	4.10	.091	4.1893E+01	.11	9.830
4.6433E+01	.72	.663	4.4067E+01	3.61	.106	4.1850E+01	.38	8.062
4.6341E+01	.89	.269	4.4022E+01	3.05	.139	4.1806E+01	.86	4.660
4.6295E+01	.86	.289	4.3977E+01	2.43	.171	4.1762E+01	1.31	.230
4.6249E+01	.72	.376	4.3932E+01	1.97	.174	4.1718E+01	1.70	.177
4.6203E+01	.71	.402	4.3887E+01	1.82	.160	4.1675E+01	2.02	.165
4.6157E+01	.75	.393	4.3842E+01	1.87	.151	4.1631E+01	2.24	.168
4.6111E+01	.50	.680	4.3798E+01	1.93	.237	4.1587E+01	2.48	.161
4.6065E+01	.43	.806	4.3708E+01	1.49	.159	4.1544E+01	2.99	.138
4.6019E+01	.80	.397	4.3663E+01	1.31	.202	4.1500E+01	3.90	.124
4.5973E+01	.90	.367	4.3619E+01	1.26	.243	4.1457E+01	4.54	.182
4.5928E+01	.72	.395	4.3574E+01	1.31	.243	4.1369E+01	11.74	.069
4.5882E+01	.67	.623	4.3529E+01	1.48	.199	4.1326E+01	16.50	.067

E(EV)	S(B)	DS/S	E(EV)	S(B)	DS/S	E(EV)	S(B)	DS/S
4.1282E+01	20.98	.066	3.9307E+01	-.17	2.035	3.7380E+01	3.91	.120
4.1239E+01	24.20	.066	3.9264E+01	-.32	.960	3.7338E+01	3.43	.145
4.1196E+01	25.85	.066	3.9222E+01	-.27	1.011	3.7297E+01	3.08	.151
4.1152E+01	26.57	.065	3.9180E+01	-.42	.727	3.7255E+01	2.80	.139
4.1109E+01	26.71	.067	3.9137E+01	-.63	.558	3.7214E+01	2.70	.134
4.1065E+01	25.29	.068	3.9095E+01	-.37	.772	3.7173E+01	2.64	.149
4.1022E+01	21.65	.069	3.9053E+01	.12	2.324	3.7132E+01	2.59	.169
4.0979E+01	16.68	.073	3.9010E+01	.63	.434	3.7091E+01	2.58	.166
4.0935E+01	11.65	.083	3.8968E+01	.59	.531	3.7049E+01	2.58	.155
4.0892E+01	7.96	.110	3.8926E+01	.18	1.880	3.7008E+01	2.58	.146
4.0849E+01	5.68	.137	3.8884E+01	.10	2.588	3.6967E+01	2.60	.160
4.0806E+01	4.26	.154	3.8841E+01	.11	2.145	3.6926E+01	2.60	.184
4.0762E+01	3.46	.173	3.8799E+01	.28	.854	3.6885E+01	2.67	.192
4.0719E+01	3.18	.213	3.8757E+01	.38	.687	3.6844E+01	3.14	.233
4.0676E+01	3.16	.228	3.8715E+01	.38	.774	3.6803E+01	4.05	.231
4.0633E+01	2.68	.260	3.8673E+01	.65	.366	3.6762E+01	5.13	.123
4.0590E+01	2.27	.261	3.8631E+01	.68	.362	3.6720E+01	6.04	.104
4.0547E+01	2.54	.244	3.8589E+01	.43	.714	3.6679E+01	7.28	.093
4.0504E+01	2.89	.244	3.8547E+01	.38	.866	3.6639E+01	9.94	.092
4.0460E+01	2.76	.258	3.8505E+01	.64	.393	3.6598E+01	14.31	.086
4.0418E+01	2.16	.273	3.8463E+01	.92	.292	3.6557E+01	22.17	.076
4.0374E+01	1.62	.326	3.8421E+01	1.23	.263	3.6516E+01	35.90	.072
4.0332E+01	.97	.606	3.8379E+01	1.67	.218	3.6475E+01	53.98	.067
4.0289E+01	.46	1.357	3.8337E+01	2.13	.144	3.6434E+01	72.32	.065
4.0246E+01	.61	.776	3.8295E+01	2.32	.141	3.6393E+01	91.93	.065
4.0203E+01	.69	.576	3.8253E+01	2.41	.138	3.6352E+01	115.15	.065
4.0160E+01	.71	.549	3.8211E+01	2.67	.137	3.6312E+01	131.32	.063
4.0117E+01	.94	.465	3.8170E+01	3.11	.128	3.6271E+01	132.76	.063
4.0074E+01	1.54	.279	3.8128E+01	3.39	.106	3.6230E+01	124.12	.066
4.0031E+01	2.41	.170	3.8086E+01	3.64	.110	3.6189E+01	109.49	.066
3.9988E+01	3.61	.129	3.8044E+01	3.98	.114	3.6149E+01	90.87	.064
3.9946E+01	5.07	.110	3.8003E+01	4.55	.106	3.6108E+01	71.51	.064
3.9903E+01	6.60	.093	3.7961E+01	5.44	.093	3.6067E+01	54.95	.067
3.9860E+01	8.04	.086	3.7919E+01	6.66	.086	3.6027E+01	42.21	.072
3.9818E+01	9.20	.077	3.7878E+01	8.27	.087	3.5986E+01	30.45	.079
3.9775E+01	9.22	.078	3.7836E+01	10.35	.083	3.5946E+01	20.46	.081
3.9732E+01	8.44	.089	3.7794E+01	12.61	.074	3.5905E+01	12.93	.089
3.9689E+01	7.56	.095	3.7753E+01	14.49	.071	3.5864E+01	8.21	.109
3.9647E+01	6.49	.091	3.7711E+01	15.68	.070	3.5824E+01	5.47	.144
3.9604E+01	5.09	.097	3.7670E+01	16.01	.071	3.5783E+01	4.14	.144
3.9562E+01	3.51	.142	3.7628E+01	15.42	.074	3.5743E+01	3.67	.149
3.9519E+01	2.20	.228	3.7587E+01	13.82	.075	3.5703E+01	3.39	.187
3.9477E+01	1.65	.241	3.7545E+01	11.47	.080	3.5662E+01	3.05	.207
3.9434E+01	1.29	.287	3.7504E+01	8.99	.092	3.5622E+01	2.57	.217
3.9392E+01	.90	.393	3.7462E+01	6.66	.101	3.5581E+01	2.01	.226
3.9349E+01	.36	1.011	3.7421E+01	4.82	.105	3.5541E+01	1.27	.403

E(EV)	S(B)	DS/S	E(EV)	S(B)	DS/S	E(EV)	S(B)	DS/S
3.5501E+01	.62	1.001	3.3670E+01	.31	1.313	3.1888E+01	7.85	.110
3.5460E+01	.36	1.689	3.3631E+01	-.11	3.752	3.1850E+01	5.67	.137
3.5420E+01	.45	1.086	3.3592E+01	-.38	1.185	3.1812E+01	3.50	.195
3.5380E+01	.75	.757	3.3553E+01	-.48	1.018	3.1774E+01	1.97	.314
3.5340E+01	.82	.891	3.3513E+01	-.36	1.328	3.1736E+01	1.55	.394
3.5299E+01	.50	1.522	3.3474E+01	-.18	1.865	3.1697E+01	1.47	.402
3.5259E+01	-.43	2.096	3.3435E+01	-.37	1.007	3.1659E+01	1.12	.545
3.5219E+01	-2.29	.607	3.3396E+01	-.64	.640	3.1621E+01	.73	.871
3.5179E+01	-5.35	.452	3.3357E+01	-.88	.480	3.1583E+01	.38	1.836
3.5139E+01	-11.03	.384	3.3318E+01	-.86	.478	3.1545E+01	.25	2.548
3.5099E+01	-20.17	.300	3.3279E+01	-.71	.557	3.1507E+01	.53	1.037
3.5059E+01	-24.52	.288	3.3240E+01	-.63	.650	3.1469E+01	.71	.756
3.5018E+01	-14.57	.598	3.3201E+01	-.58	.761	3.1431E+01	.53	.897
3.4978E+01	3.60	2.903	3.3162E+01	-.53	.932	3.1393E+01	.43	1.224
3.4938E+01	14.39	.738	3.3123E+01	-.58	.699	3.1356E+01	.24	2.531
3.4899E+01	17.62	.511	3.3084E+01	-.63	.655	3.1318E+01	-.10	5.766
3.4859E+01	17.82	.436	3.3045E+01	-.62	.735	3.1280E+01	-.19	2.713
3.4819E+01	15.80	.459	3.3006E+01	-.51	1.034	3.1242E+01	-.02	26.351
3.4779E+01	11.24	.498	3.2967E+01	-.40	1.041	3.1204E+01	.21	2.626
3.4739E+01	4.98	.731	3.2928E+01	-.49	.902	3.1166E+01	.50	1.156
3.4699E+01	5.00	.339	3.2889E+01	-.36	1.260	3.1129E+01	.71	.777
3.4659E+01	4.72	.261	3.2851E+01	-.28	1.619	3.1091E+01	.82	.614
3.4619E+01	1.48	.906	3.2812E+01	-.39	1.152	3.1053E+01	1.04	.510
3.4579E+01	-.82	1.551	3.2773E+01	-.42	1.044	3.1015E+01	1.08	.545
3.4540E+01	-.04	20.975	3.2734E+01	-.31	1.379	3.0978E+01	.82	.744
3.4500E+01	.79	.801	3.2696E+01	-.30	1.444	3.0940E+01	.79	.681
3.4460E+01	.79	.884	3.2657E+01	-.51	.858	3.0902E+01	1.17	.447
3.4420E+01	.93	.747	3.2618E+01	-.55	.923	3.0865E+01	1.64	.385
3.4381E+01	1.29	.513	3.2580E+01	-.17	2.681	3.0827E+01	2.25	.328
3.4341E+01	1.23	.471	3.2541E+01	.53	.964	3.0790E+01	3.09	.233
3.4301E+01	.78	.731	3.2503E+01	1.28	.427	3.0752E+01	4.83	.145
3.4262E+01	.30	2.189	3.2464E+01	2.11	.211	3.0715E+01	7.58	.112
3.4222E+01	.69	.819	3.2426E+01	3.64	.146	3.0677E+01	10.44	.103
3.4183E+01	1.02	.506	3.2387E+01	6.36	.112	3.0640E+01	14.23	.091
3.4143E+01	.61	.787	3.2348E+01	10.84	.092	3.0602E+01	19.30	.078
3.4103E+01	.00	309.590	3.2310E+01	17.14	.079	3.0565E+01	24.01	.073
3.4064E+01	-.68	.900	3.2272E+01	24.11	.071	3.0527E+01	26.83	.078
3.4024E+01	-1.04	.591	3.2233E+01	31.46	.070	3.0490E+01	27.18	.079
3.3985E+01	-1.07	.460	3.2195E+01	37.86	.072	3.0453E+01	26.12	.075
3.3946E+01	-.96	.518	3.2156E+01	40.09	.071	3.0415E+01	24.30	.072
3.3906E+01	-.84	.649	3.2118E+01	36.54	.066	3.0378E+01	25.75	.081
3.3867E+01	-1.10	.559	3.2080E+01	29.92	.067	3.0341E+01	36.55	.081
3.3828E+01	-1.10	.403	3.2041E+01	23.03	.079	3.0303E+01	54.42	.073
3.3788E+01	-.82	.569	3.2003E+01	17.47	.096	3.0266E+01	67.64	.065
3.3749E+01	-.49	1.129	3.1965E+01	13.71	.091	3.0229E+01	73.02	.064
3.3709E+01	-.02	29.262	3.1927E+01	10.50	.091	3.0192E+01	75.80	.071

E(EV)	S(B)	DS/S	E(EV)	S(B)	DS/S	E(EV)	S(B)	DS/S
3.0155E+01	73.57	.075	2.8470E+01	-.11	6.066	2.6833E+01	-.12	8.742
3.0117E+01	63.81	.067	2.8433E+01	-.10	6.683	2.6798E+01	.37	2.761
3.0080E+01	50.09	.066	2.8397E+01	.19	3.624	2.6763E+01	.67	1.481
3.0043E+01	34.48	.079	2.8361E+01	.64	1.195	2.6728E+01	.26	4.028
3.0006E+01	21.89	.098	2.8325E+01	.68	1.297	2.6693E+01	.10	10.555
2.9969E+01	13.65	.107	2.8289E+01	.50	1.401	2.6658E+01	.63	1.630
2.9932E+01	7.57	.120	2.8253E+01	.77	.922	2.6623E+01	1.24	.720
2.9895E+01	3.52	.237	2.8217E+01	1.60	.533	2.6588E+01	1.42	.584
2.9858E+01	1.65	.568	2.8181E+01	2.46	.388	2.6553E+01	1.54	.610
2.9821E+01	1.36	.585	2.8145E+01	2.97	.252	2.6518E+01	1.44	.586
2.9784E+01	.98	.708	2.8110E+01	3.61	.219	2.6483E+01	1.24	.676
2.9747E+01	-.16	4.251	2.8074E+01	4.57	.213	2.6448E+01	1.33	.627
2.9710E+01	-.93	.852	2.8038E+01	5.81	.191	2.6414E+01	1.74	.559
2.9673E+01	-.77	1.106	2.8002E+01	6.75	.138	2.6379E+01	1.77	.511
2.9637E+01	-.92	.920	2.7966E+01	6.88	.141	2.6344E+01	1.82	.519
2.9600E+01	-2.22	.350	2.7930E+01	6.44	.158	2.6309E+01	1.80	.491
2.9563E+01	-4.07	.201	2.7895E+01	5.30	.207	2.6275E+01	1.83	.441
2.9526E+01	-5.01	.185	2.7859E+01	4.31	.203	2.6240E+01	1.96	.467
2.9490E+01	-4.66	.208	2.7823E+01	3.57	.223	2.6206E+01	1.92	.490
2.9453E+01	-3.96	.222	2.7788E+01	2.66	.322	2.6171E+01	1.61	.635
2.9416E+01	-3.87	.228	2.7752E+01	2.24	.825	2.6136E+01	1.20	.810
2.9379E+01	-3.96	.237	2.7716E+01	2.38	1.062	2.6102E+01	1.12	.855
2.9343E+01	-3.74	.258	2.7681E+01	2.21	.355	2.6067E+01	.76	1.228
2.9306E+01	-3.04	.287	2.7645E+01	1.79	.420	2.6033E+01	.12	9.471
2.9269E+01	-2.29	.333	2.7610E+01	1.56	.517	2.5998E+01	-.13	11.440
2.9233E+01	-2.08	.403	2.7574E+01	1.48	.570	2.5963E+01	-.37	6.161
2.9196E+01	-2.27	.433	2.7538E+01	1.14	.727	2.5929E+01	-.73	3.007
2.9160E+01	-2.00	.457	2.7503E+01	.30	2.667	2.5895E+01	-1.03	1.033
2.9123E+01	-1.62	.483	2.7467E+01	-.24	3.184	2.5860E+01	-.78	1.362
2.9087E+01	-1.87	.358	2.7432E+01	.17	4.371	2.5826E+01	-.49	1.878
2.9050E+01	-2.10	.342	2.7397E+01	.65	1.162	2.5791E+01	-.42	2.235
2.9014E+01	-1.92	.417	2.7361E+01	.78	1.096	2.5757E+01	-.39	2.718
2.8977E+01	-1.19	.669	2.7326E+01	1.05	.727	2.5723E+01	-.35	3.236
2.8941E+01	-.57	1.274	2.7290E+01	1.24	.626	2.5688E+01	-.30	3.331
2.8904E+01	-.48	1.470	2.7255E+01	1.11	1.204	2.5654E+01	-.34	2.624
2.8868E+01	-.49	1.594	2.7220E+01	1.07	1.655	2.5620E+01	-.58	2.066
2.8832E+01	-.32	2.364	2.7184E+01	1.13	.680	2.5586E+01	-.56	2.152
2.8795E+01	.07	9.563	2.7149E+01	1.12	.661	2.5551E+01	-.14	8.429
2.8759E+01	.32	2.028	2.7114E+01	1.00	.761	2.5517E+01	.16	5.629
2.8723E+01	.47	1.458	2.7079E+01	.99	.773	2.5483E+01	.10	10.604
2.8687E+01	.63	1.201	2.7043E+01	.73	.971	2.5449E+01	-.04	37.109
2.8650E+01	.60	1.208	2.7008E+01	.27	2.938	2.5415E+01	.12	10.410
2.8614E+01	.25	2.506	2.6973E+01	-.02	44.433	2.5381E+01	.52	1.935
2.8578E+01	-.22	3.113	2.6938E+01	.02	50.698	2.5347E+01	.52	1.684
2.8542E+01	-.43	1.773	2.6903E+01	.17	5.137	2.5312E+01	.09	13.422
2.8506E+01	-.25	2.955	2.6868E+01	-.03	41.678	2.5279E+01	.05	26.226

E(EV)	S(B)	DS/S	E(EV)	S(B)	DS/S	E(EV)	S(B)	DS/S
2.5245E+01	.14	8.191	2.3705E+01	-1.68	.908	2.2213E+01	4.87	.793
2.5211E+01	.02	54.994	2.3672E+01	-.67	2.043	2.2181E+01	5.26	2.643
2.5177E+01	-.47	2.255	2.3639E+01	-.15	11.848	2.2149E+01	4.46	4.434
2.5143E+01	-1.09	1.287	2.3606E+01	-.85	2.688	2.2118E+01	3.32	.748
2.5109E+01	-1.03	1.274	2.3573E+01	.13	11.606	2.2086E+01	2.17	1.178
2.5075E+01	-1.03	1.133	2.3540E+01	.64	2.203	2.2054E+01	2.42	1.086
2.5041E+01	-2.15	.466	2.3507E+01	-.33	4.988	2.2022E+01	3.63	.781
2.5007E+01	-4.23	.365	2.3475E+01	-1.49	1.458	2.1990E+01	4.46	.689
2.4973E+01	-5.97	.345	2.3442E+01	-.70	2.418	2.1959E+01	4.61	.582
2.4939E+01	-6.38	.244	2.3409E+01	-.12	12.934	2.1927E+01	4.85	.574
2.4906E+01	-6.14	.222	2.3376E+01	.11	12.833	2.1895E+01	5.20	.492
2.4872E+01	-6.79	.242	2.3344E+01	.52	3.512	2.1864E+01	5.84	.458
2.4838E+01	-8.69	.235	2.3311E+01	.50	4.678	2.1832E+01	6.05	.513
2.4804E+01	-8.58	.212	2.3278E+01	.31	5.403	2.1801E+01	5.20	.568
2.4771E+01	-5.98	.260	2.3246E+01	.61	2.810	2.1769E+01	4.05	.745
2.4737E+01	-3.00	.432	2.3213E+01	1.14	1.602	2.1737E+01	3.15	.892
2.4703E+01	-1.92	.764	2.3180E+01	.75	2.674	2.1706E+01	2.60	1.147
2.4670E+01	-1.66	1.026	2.3148E+01	.79	2.367	2.1674E+01	3.10	1.078
2.4636E+01	-1.26	1.229	2.3115E+01	.62	3.002	2.1643E+01	3.89	.842
2.4603E+01	-1.27	.988	2.3083E+01	-.57	3.348	2.1611E+01	4.35	.634
2.4569E+01	-1.33	.937	2.3050E+01	.38	6.065	2.1580E+01	4.63	.558
2.4535E+01	-1.45	1.042	2.3018E+01	3.16	.938	2.1548E+01	5.30	.669
2.4502E+01	-1.33	1.205	2.2985E+01	2.73	1.056	2.1517E+01	4.19	.877
2.4468E+01	-.97	1.359	2.2953E+01	-1.44	2.889	2.1486E+01	4.46	.776
2.4435E+01	-1.32	.835	2.2920E+01	-11.67	.540	2.1454E+01	6.99	.416
2.4402E+01	-2.15	.732	2.2888E+01	-24.10	.331	2.1423E+01	8.61	.319
2.4368E+01	-2.45	.878	2.2856E+01	-21.62	.401	2.1392E+01	9.69	.354
2.4335E+01	-1.71	.901	2.2823E+01	2.43	3.781	2.1360E+01	10.05	.383
2.4301E+01	-.99	1.306	2.2791E+01	17.85	.554	2.1329E+01	10.71	.325
2.4268E+01	-.24	5.544	2.2759E+01	6.18	1.599	2.1298E+01	12.57	.269
2.4235E+01	.23	6.690	2.2726E+01	-7.13	1.058	2.1267E+01	14.80	.294
2.4201E+01	.23	6.858	2.2694E+01	-7.26	.694	2.1235E+01	16.13	.277
2.4168E+01	.61	2.451	2.2662E+01	-2.85	1.226	2.1204E+01	17.06	.241
2.4135E+01	1.07	1.394	2.2630E+01	.78	3.848	2.1173E+01	16.99	.198
2.4102E+01	1.14	1.435	2.2598E+01	2.51	1.100	2.1142E+01	14.76	.230
2.4068E+01	1.42	1.216	2.2565E+01	2.99	1.043	2.1111E+01	12.24	.322
2.4035E+01	2.45	.651	2.2533E+01	2.79	.895	2.1080E+01	11.48	.379
2.4002E+01	3.76	.406	2.2501E+01	2.34	1.034	2.1049E+01	12.14	.329
2.3969E+01	4.81	.332	2.2469E+01	2.35	1.007	2.1018E+01	11.33	.304
2.3936E+01	5.38	.340	2.2437E+01	2.14	1.117	2.0987E+01	7.50	.541
2.3903E+01	5.38	.360	2.2405E+01	1.97	1.202	2.0956E+01	4.00	1.084
2.3870E+01	4.63	.387	2.2373E+01	2.28	1.063	2.0925E+01	2.55	1.749
2.3837E+01	3.48	.496	2.2341E+01	3.19	.753	2.0894E+01	1.94	1.953
2.3804E+01	1.30	1.546	2.2309E+01	3.98	.564	2.0863E+01	.98	3.900
2.3771E+01	-1.47	1.582	2.2277E+01	3.94	.587	2.0832E+01	2.05	2.181
2.3738E+01	-1.84	.962	2.2245E+01	4.04	.619	2.0801E+01	4.97	.977

E(EV)	S(B)	DS/S	E(EV)	S(B)	DS/S	E(EV)	S(B)	DS/S
2.0770E+01	5.60	.817	2.0494E+01	5.36	.861	2.0219E+01	3.31	1.646
2.0739E+01	4.11	1.042	2.0463E+01	4.22	.948	2.0188E+01	3.71	1.156
2.0709E+01	2.09	2.590	2.0432E+01	3.78	1.168	2.0158E+01	3.34	1.749
2.0678E+01	.49	10.701	2.0402E+01	2.86	1.829	2.0128E+01	1.71	4.755
2.0647E+01	-.22	21.687	2.0371E+01	1.64	3.201	2.0097E+01	1.37	4.611
2.0616E+01	-1.98	2.236	2.0341E+01	2.00	2.318	2.0067E+01	3.29	1.529
2.0586E+01	-1.13	4.183	2.0310E+01	2.07	2.442	2.0037E+01	5.39	.990
2.0555E+01	2.68	1.702	2.0280E+01	1.90	3.569	2.0006E+01	6.77	1.059
2.0524E+01	4.92	1.056	2.0249E+01	2.90	2.117	1.9976E+01	7.13	1.448

APPENDIX V

FISSION CROSS SECTION OF 248CM

E(EV)	S(B)	DS/S	E(EV)	S(B)	DS/S	E(EV)	S(B)	DS/S
2.8305E+06	1.80	.092	2.3325E+05	.03	1.580	6.4290E+04	.04	1.287
2.5319E+06	1.74	.087	2.2335E+05	.05	1.021	6.2126E+04	.05	1.104
2.2782E+06	1.71	.088	2.1633E+05	.03	1.919	6.0069E+04	.03	1.710
2.0608E+06	1.74	.087	2.0963E+05	.02	2.060	5.8112E+04	.05	1.327
1.8731E+06	1.72	.084	2.0324E+05	.03	1.611	5.6250E+04	.04	1.485
1.7100E+06	1.72	.084	1.9714E+05	.13	.514	5.4475E+04	.02	2.304
1.5672E+06	1.66	.083	1.9131E+05	.04	1.337	5.2784E+04	.01	3.538
1.4416E+06	1.66	.086	1.8573E+05	.03	1.768	5.0908E+04	.02	2.338
1.2964E+06	1.61	.086	1.8040E+05	.03	1.687	4.9378E+04	.01	8.665
1.2318E+06	1.70	.088	1.7529E+05	.03	2.012	4.7917E+04	.04	1.394
1.1164E+06	1.82	.085	1.7040E+05	.07	.917	4.6519E+04	.04	1.335
1.0647E+06	1.71	.085	1.6418E+05	.06	1.090	4.5182E+04	.05	1.335
9.7151E+05	1.61	.090	1.6120E+05	.06	1.221	4.3901E+04	.02	3.410
9.2944E+05	1.40	.093	1.5548E+05	.04	1.748	4.2675E+04	.02	5.386
8.5309E+05	1.24	.104	1.5273E+05	.04	1.853	4.1499E+04	.03	2.120
8.1840E+05	1.12	.096	1.4745E+05	.02	3.061	4.0371E+04	.04	1.855
7.5507E+05	.84	.108	1.4491E+05	-.01	10.873	3.9288E+04	.04	1.650
7.2613E+05	.61	.124	1.4003E+05	.05	1.673	3.8248E+04	.04	2.007
6.7302E+05	.49	.137	1.3768E+05	.05	1.501	3.7086E+04	.01	9.211
6.4863E+05	.36	.157	1.3315E+05	.02	2.763	3.6132E+04	.04	5.055
6.0365E+05	.39	.152	1.3097E+05	.03	1.895	3.5214E+04	.02	5.074
5.8290E+05	.14	.285	1.2677E+05	.01	4.506	3.4331E+04	.04	2.651
5.4449E+05	.17	.273	1.2475E+05	-.01	5.816	3.3481E+04	.03	2.817
5.1811E+05	.17	.250	1.2084E+05	.01	8.158	3.2662E+04	.03	2.352
4.9361E+05	.12	.312	1.1803E+05	.02	3.759	3.1872E+04	.03	2.802
4.7080E+05	.09	.407	1.1531E+05	.10	.869	3.1111E+04	.03	2.179
4.4954E+05	.10	.408	1.1269E+05	.12	.721	3.0377E+04	.02	4.462
4.2969E+05	.12	.355	1.1016E+05	.04	1.585	2.9668E+04	.03	2.420
4.1112E+05	.13	.330	1.0771E+05	.06	1.356	2.8984E+04	.06	.984
3.9374E+05	.07	.537	1.0534E+05	.03	2.701	2.8216E+04	.04	1.783
3.7222E+05	.03	1.084	1.0305E+05	.02	4.675	2.7581E+04	.04	1.842
3.6211E+05	.08	.571	1.0083E+05	.04	1.729	2.6967E+04	.04	1.805
3.4310E+05	.08	.569	9.8687E+04	.03	1.393	2.6374E+04	.06	1.938
3.3415E+05	.08	.541	9.4595E+04	.02	2.100	2.5800E+04	.07	1.134
3.1728E+05	.04	1.193	9.0753E+04	.03	1.817	2.5245E+04	.05	1.604
3.0931E+05	.03	1.721	8.7139E+04	.05	1.458	2.4707E+04	.01	7.650
2.9426E+05	.05	.926	8.3738E+04	.03	2.248	2.4187E+04	.01	5.784
2.8714E+05	.05	.955	8.0532E+04	.02	2.947	2.3682E+04	.02	3.130
2.7366E+05	.07	.750	7.7506E+04	.03	2.454	2.3193E+04	.01	9.311
2.6727E+05	.06	.770	7.4187E+04	.00	8.365	2.2720E+04	.03	2.537
2.5515E+05	.04	1.055	7.1509E+04	.01	3.433	2.2185E+04	.06	1.815
2.4939E+05	.03	1.533	6.8973E+04	.02	2.900	2.1742E+04	.07	1.317
2.3845E+05	.02	1.737	6.6570E+04	.03	1.538	2.1312E+04	.07	1.439

E(EV)	S(B)	DS/S	E(EV)	S(B)	DS/S	E(EV)	S(B)	DS/S
2.0894E+04	.04	1.912	9.8105E+03	.03	4.057	5.6759E+03	.01	8.858
2.0489E+04	.04	1.796	9.6795E+03	.05	2.059	5.6181E+03	-.04	3.325
2.0095E+04	.05	1.754	9.5511E+03	.03	3.118	5.5612E+03	-.02	5.866
1.9712E+04	.05	1.908	9.4253E+03	-.01	18.871	5.5051E+03	.00	28.110
1.9341E+04	.06	1.109	9.3019E+03	.03	4.714	5.4408E+03	.01	13.635
1.8980E+04	.05	2.011	9.1809E+03	.04	3.239	5.3866E+03	.01	17.135
1.8628E+04	.05	1.930	9.0427E+03	.17	.832	5.3331E+03	.00	48.472
1.8287E+04	.05	1.413	8.9267E+03	.12	1.122	5.2805E+03	-.03	3.703
1.7900E+04	.06	1.583	8.8130E+03	.17	.840	5.2286E+03	.01	11.351
1.7578E+04	.01	5.819	8.7014E+03	.09	1.556	5.1775E+03	.02	6.928
1.7265E+04	.04	2.214	8.5919E+03	.03	3.349	5.1272E+03	.10	1.522
1.6960E+04	.05	2.050	8.4845E+03	.05	2.270	5.0776E+03	.08	1.724
1.6663E+04	.03	2.847	8.3790E+03	.02	6.991	5.0287E+03	.06	2.556
1.6374E+04	.05	2.372	8.2755E+03	.02	5.686	4.9805E+03	-.04	3.747
1.6092E+04	.04	2.538	8.1740E+03	.05	2.891	4.9330E+03	-.00	418.801
1.5818E+04	.04	2.491	8.0742E+03	.06	2.398	4.8784E+03	.06	2.383
1.5550E+04	.03	3.805	7.9764E+03	.06	2.026	4.8323E+03	.05	3.058
1.5290E+04	-.00	66.363	7.8644E+03	.06	2.246	4.7869E+03	.15	1.155
1.5035E+04	-.00	55.043	7.7702E+03	.10	1.591	4.7421E+03	.07	2.024
1.4747E+04	.02	4.909	7.6778E+03	.02	5.591	4.6980E+03	.06	2.186
1.4506E+04	.03	2.605	7.5870E+03	.03	2.797	4.6544E+03	.06	2.461
1.4271E+04	.01	6.735	7.4978E+03	.01	13.026	4.6115E+03	.11	1.327
1.4041E+04	.02	5.443	7.4102E+03	-.00	42.780	4.5692E+03	.09	1.604
1.3817E+04	.05	2.117	7.3241E+03	.03	3.342	4.5274E+03	.06	2.347
1.3599E+04	.03	3.734	7.2395E+03	.07	1.816	4.4862E+03	.20	1.378
1.3385E+04	.03	3.035	7.1563E+03	.15	.997	4.4456E+03	.00	41.764
1.3177E+04	.07	1.579	7.0746E+03	.15	.883	4.3989E+03	.07	1.914
1.2973E+04	.06	1.912	6.9942E+03	.08	1.715	4.3594E+03	.04	3.641
1.2774E+04	.08	1.449	6.9022E+03	.03	3.472	4.3205E+03	.10	1.477
1.2580E+04	.08	1.425	6.8248E+03	.11	1.266	4.2821E+03	.12	1.308
1.2359E+04	.09	1.113	6.7487E+03	.08	1.737	4.2442E+03	.12	1.395
1.2174E+04	.06	1.747	6.6738E+03	.03	4.147	4.2068E+03	.09	1.887
1.1993E+04	.06	1.613	6.6002E+03	.02	8.269	4.1699E+03	.09	1.934
1.1816E+04	.03	2.920	6.5278E+03	.08	1.873	4.1335E+03	.04	3.807
1.1643E+04	.02	5.614	6.4565E+03	.09	1.523	4.0975E+03	.02	9.616
1.1474E+04	.07	1.310	6.3865E+03	.05	2.680	4.0621E+03	.00	82.663
1.1308E+04	.05	1.907	6.3175E+03	.05	2.443	4.0270E+03	.02	5.582
1.1146E+04	.04	2.222	6.2497E+03	.10	1.608	3.9867E+03	.04	4.019
1.0988E+04	.00	29.896	6.1830E+03	.11	1.342	3.9527E+03	.08	2.039
1.0832E+04	.03	3.091	6.1065E+03	.06	2.175	3.9191E+03	.09	2.008
1.0680E+04	.08	1.419	6.0420E+03	.02	8.324	3.8859E+03	.11	1.438
1.0507E+04	.07	1.552	5.9786E+03	-.01	19.824	3.8531E+03	.08	1.952
1.0362E+04	.06	1.843	5.9161E+03	.05	4.246	3.8208E+03	-.00	154.285
1.0220E+04	.10	1.707	5.8546E+03	.03	5.297	3.7888E+03	-.01	24.991
1.0081E+04	.06	2.007	5.7941E+03	.07	2.222	3.7573E+03	.04	3.412
9.9442E+03	.02	7.281	5.7345E+03	.07	2.056	3.7261E+03	.03	5.162

E(EV)	S(B)	DS/S	E(EV)	S(B)	DS/S	E(EV)	S(B)	DS/S
3.6954E+03	.13	1.437	2.5931E+03	.12	1.631	1.9214E+03	.01	17.639
3.6649E+03	.05	3.096	2.5752E+03	.04	4.638	1.9081E+03	.08	2.369
3.6300E+03	-.02	7.230	2.5575E+03	.11	1.708	1.8968E+03	-.01	25.008
3.6004E+03	.04	4.143	2.5400E+03	.10	2.157	1.8856E+03	.10	1.945
3.5711E+03	-.01	17.684	2.5227E+03	.09	2.432	1.8745E+03	.02	11.927
3.5423E+03	-.03	4.904	2.5055E+03	.17	1.688	1.8635E+03	-.02	11.779
3.5137E+03	-.04	3.085	2.4885E+03	.09	2.282	1.8508E+03	.01	41.036
3.4856E+03	-.02	10.109	2.4717E+03	.10	1.803	1.8401E+03	.10	1.998
3.4577E+03	-.07	1.455	2.4551E+03	.02	6.704	1.8294E+03	.14	1.485
3.4302E+03	.03	6.187	2.4386E+03	.04	4.197	1.8187E+03	.33	1.043
3.4030E+03	.04	4.560	2.4196E+03	.04	5.562	1.8082E+03	-.00	257.331
3.3761E+03	.06	2.644	2.4035E+03	.23	1.239	1.7978E+03	.00	78.116
3.3496E+03	.04	4.352	2.3875E+03	.05	4.544	1.7875E+03	.14	1.669
3.3190E+03	-.02	8.654	2.3717E+03	.05	3.090	1.7773E+03	.05	4.100
3.2931E+03	.02	7.591	2.3561E+03	.04	4.720	1.7671E+03	.09	2.377
3.2676E+03	.05	3.612	2.3406E+03	.09	2.313	1.7570E+03	.01	15.800
3.2423E+03	.02	8.416	2.3252E+03	.15	1.535	1.7471E+03	.08	2.717
3.2173E+03	.08	2.001	2.3101E+03	.14	1.640	1.7355E+03	.12	1.965
3.1926E+03	.01	9.395	2.2950E+03	.15	1.326	1.7257E+03	.02	12.882
3.1682E+03	.06	3.252	2.2801E+03	.05	3.484	1.7160E+03	.03	10.342
3.1441E+03	.06	3.464	2.2654E+03	.10	2.080	1.7064E+03	-.04	3.736
3.1202E+03	.14	1.420	2.2484E+03	.19	1.515	1.6968E+03	.00	260.378
3.0966E+03	.05	4.043	2.2339E+03	.11	2.231	1.6874E+03	.07	3.612
3.0733E+03	.07	2.955	2.2196E+03	.07	3.137	1.6780E+03	.20	1.397
3.0464E+03	.02	5.816	2.2055E+03	.06	3.297	1.6687E+03	.10	2.387
3.0236E+03	.14	1.270	2.1914E+03	.07	2.681	1.6594E+03	.15	1.578
3.0011E+03	.12	2.210	2.1775E+03	.12	1.584	1.6503E+03	.15	1.572
2.9789E+03	.08	2.260	2.1638E+03	.04	4.237	1.6397E+03	.16	1.316
2.9569E+03	.12	1.426	2.1501E+03	.09	2.351	1.6307E+03	.02	9.873
2.9351E+03	.03	6.309	2.1366E+03	.08	2.835	1.6217E+03	.04	4.462
2.9136E+03	.05	4.925	2.1232E+03	.11	1.903	1.6129E+03	.12	1.758
2.8923E+03	.09	2.389	2.1100E+03	.10	1.945	1.6041E+03	.07	3.289
2.8712E+03	.04	5.212	2.0947E+03	.03	7.720	1.5954E+03	.14	1.972
2.8504E+03	.10	1.539	2.0817E+03	.07	2.966	1.5868E+03	.03	7.823
2.8298E+03	.10	1.883	2.0689E+03	.10	1.952	1.5782E+03	-.01	15.739
2.8061E+03	.07	2.560	2.0561E+03	.15	1.561	1.5697E+03	.05	4.652
2.7859E+03	.07	2.211	2.0435E+03	.03	4.382	1.5613E+03	-.03	5.687
2.7660E+03	.05	3.483	2.0310E+03	-.00	61.086	1.5529E+03	.00	35.799
2.7463E+03	.09	2.296	2.0186E+03	.01	16.477	1.5433E+03	.01	31.179
2.7269E+03	.36	.970	2.0063E+03	.07	2.832	1.5351E+03	.04	4.689
2.7076E+03	.22	.989	1.9941E+03	-.03	7.882	1.5269E+03	.10	2.332
2.6885E+03	.13	1.381	1.9820E+03	.03	5.627	1.5188E+03	.08	3.028
2.6696E+03	.07	2.836	1.9701E+03	.07	2.612	1.5108E+03	.04	5.421
2.6509E+03	.10	2.362	1.9563E+03	.04	4.458	1.5028E+03	.10	2.444
2.6325E+03	.07	3.002	1.9446E+03	.17	1.148	1.4949E+03	.05	5.935
2.6111E+03	.15	1.505	1.9329E+03	.08	2.417	1.4871E+03	.10	2.615

E(EV)	S(B)	DS/S	E(EV)	S(B)	DS/S	E(EV)	S(B)	DS/S
1.4793E+03	.00	48.064	1.1749E+03	.17	2.004	9.6106E+02	.23	.917
1.4716E+03	.03	8.681	1.1686E+03	.05	4.789	9.5635E+02	.04	4.025
1.4640E+03	-.04	4.597	1.1631E+03	.16	1.513	9.5233E+02	.03	4.825
1.4551E+03	-.07	2.841	1.1578E+03	.19	1.705	9.4835E+02	.22	1.530
1.4476E+03	.20	1.301	1.1524E+03	.09	3.743	9.4439E+02	.08	2.239
1.4401E+03	.00	61.033	1.1471E+03	.08	3.879	9.4046E+02	-.00	186.589
1.4327E+03	.05	4.175	1.1418E+03	-.01	20.408	9.3655E+02	.05	3.499
1.4254E+03	.06	4.572	1.1366E+03	.07	4.032	9.3266E+02	-.02	6.608
1.4181E+03	.05	4.137	1.1314E+03	.08	3.486	9.2880E+02	-.01	10.442
1.4108E+03	.03	7.858	1.1263E+03	.21	1.316	9.2496E+02	.00	36.909
1.4037E+03	.02	10.498	1.1211E+03	.01	19.016	9.2115E+02	-.06	2.202
1.3965E+03	.54	.785	1.1152E+03	.09	3.946	9.1673E+02	-.12	1.037
1.3895E+03	-.01	29.773	1.1102E+03	.06	6.369	9.1296E+02	-.11	1.103
1.3824E+03	-.05	3.918	1.1051E+03	.40	1.170	9.0922E+02	-.07	1.585
1.3743E+03	-.02	13.086	1.1002E+03	.33	1.110	9.0551E+02	.04	3.302
1.3674E+03	-.02	9.620	1.0952E+03	.04	6.882	9.0181E+02	.06	2.254
1.3606E+03	.00	510.423	1.0903E+03	.05	5.351	8.9814E+02	-.02	5.051
1.3537E+03	.07	3.872	1.0854E+03	-.05	4.850	8.9449E+02	.00	49.707
1.3470E+03	.15	1.580	1.0806E+03	-.01	15.951	8.9086E+02	.04	3.731
1.3403E+03	.11	2.107	1.0758E+03	-.05	4.982	8.8726E+02	.28	.962
1.3337E+03	.04	5.336	1.0710E+03	-.04	6.336	8.8367E+02	.05	2.714
1.3271E+03	-.04	4.551	1.0662E+03	-.06	4.144	8.7952E+02	.09	1.902
1.3205E+03	-.04	4.891	1.0607E+03	-.14	1.670	8.7599E+02	.17	1.534
1.3140E+03	.00	45.649	1.0560E+03	.01	27.227	8.7247E+02	.03	5.576
1.3075E+03	-.01	14.888	1.0514E+03	.04	5.463	8.6898E+02	.03	5.853
1.3001E+03	.00	55.025	1.0468E+03	.02	12.839	8.6550E+02	.00	109.624
1.2937E+03	.02	11.627	1.0422E+03	.05	5.614	8.6205E+02	.01	12.675
1.2874E+03	.09	2.711	1.0376E+03	.02	10.465	8.5862E+02	-.15	.823
1.2811E+03	.17	1.627	1.0331E+03	.09	2.854	8.5521E+02	.07	2.631
1.2749E+03	.03	9.550	1.0286E+03	.14	2.841	8.5182E+02	.18	1.443
1.2688E+03	-.04	6.094	1.0241E+03	-.02	11.042	8.4845E+02	.08	2.728
1.2626E+03	-.03	5.923	1.0197E+03	.04	6.123	8.4454E+02	-.03	5.334
1.2566E+03	.05	4.471	1.0152E+03	.10	2.060	8.4121E+02	.06	3.632
1.2505E+03	.22	1.092	1.0101E+03	.00	149.709	8.3790E+02	.01	22.715
1.2445E+03	.01	31.776	1.0058E+03	-.10	2.497	8.3461E+02	.08	2.364
1.2386E+03	.00	47.330	1.0015E+03	-.13	2.086	8.3135E+02	.04	3.659
1.2317E+03	.11	2.346	1.0007E+03	-.15	3.838	8.2810E+02	-.07	1.967
1.2258E+03	.08	3.472	9.9859E+02	-.06	2.512	8.2486E+02	-.09	1.891
1.2200E+03	-.06	3.649	9.9431E+02	.28	1.175	8.2165E+02	.32	.855
1.2142E+03	-.01	36.813	9.9006E+02	.06	2.313	8.1846E+02	.10	2.067
1.2085E+03	-.02	14.368	9.8584E+02	.05	2.399	8.1528E+02	.03	5.699
1.2028E+03	-.10	1.995	9.8164E+02	-.01	11.025	8.1160E+02	.32	1.061
1.1971E+03	-.02	13.307	9.7747E+02	.07	2.417	8.0847E+02	.08	2.264
1.1915E+03	-.01	17.324	9.7333E+02	.21	.936	8.0535E+02	-.06	2.926
1.1859E+03	.09	2.562	9.6921E+02	.05	2.802	8.0225E+02	-.05	3.123
1.1804E+03	-.01	38.017	9.6512E+02	.05	3.351	7.9917E+02	.14	1.258

E(EV)	S(B)	DS/S	E(EV)	S(B)	DS/S	E(EV)	S(B)	DS/S
7.9611E+02	.04	4.066	6.7027E+02	.41	1.359	5.7240E+02	.22	1.270
7.9306E+02	.08	2.407	6.6792E+02	.13	2.207	5.7023E+02	.14	1.338
7.9003E+02	-.11	1.212	6.6558E+02	.12	2.336	5.6838E+02	.15	1.275
7.8702E+02	.13	1.453	6.6325E+02	.26	1.408	5.6655E+02	.10	2.189
7.8403E+02	.15	1.230	6.6093E+02	.45	1.319	5.6472E+02	.27	.841
7.8056E+02	-.00	97.892	6.5863E+02	-.06	2.919	5.6290E+02	.19	1.150
7.7760E+02	-.05	3.121	6.5634E+02	.08	2.322	5.6109E+02	.05	3.463
7.7466E+02	-.07	1.941	6.5406E+02	.47	.559	5.5929E+02	.15	1.203
7.7174E+02	.26	1.544	6.5141E+02	.26	.999	5.5749E+02	.18	1.032
7.6883E+02	-.01	10.528	6.4916E+02	.15	1.672	5.5571E+02	.21	.905
7.6594E+02	-.08	1.695	6.4691E+02	.05	4.092	5.5364E+02	.07	2.862
7.6306E+02	.22	1.030	6.4468E+02	.10	2.041	5.5187E+02	.03	6.079
7.6021E+02	-.07	2.778	6.4246E+02	.16	1.381	5.5011E+02	.04	4.791
7.5737E+02	-.06	3.418	6.4025E+02	-.01	22.920	5.4836E+02	.05	3.948
7.5407E+02	.00	155.448	6.3806E+02	-.05	2.990	5.4662E+02	.23	1.291
7.5126E+02	.00	73.934	6.3587E+02	.07	2.684	5.4489E+02	.26	1.454
7.4847E+02	-.01	10.744	6.3370E+02	.07	2.340	5.4316E+02	-.01	12.375
7.4569E+02	-.04	3.400	6.3117E+02	.03	5.537	5.4145E+02	.05	3.891
7.4293E+02	.06	2.679	6.2903E+02	.27	1.092	5.3974E+02	-.02	7.861
7.4019E+02	.33	.719	6.2689E+02	.37	1.035	5.3804E+02	.13	1.456
7.3746E+02	.09	1.721	6.2476E+02	.24	1.152	5.3606E+02	.31	1.080
7.3474E+02	.06	2.853	6.2264E+02	-.08	2.330	5.3438E+02	.16	1.278
7.3204E+02	.11	1.791	6.2053E+02	.45	1.099	5.3271E+02	.06	3.306
7.2935E+02	.19	1.394	6.1844E+02	-.02	11.452	5.3104E+02	.59	.930
7.2624E+02	-.01	8.810	6.1635E+02	-.03	5.716	5.2938E+02	.06	2.402
7.2359E+02	.09	1.757	6.1428E+02	.01	32.041	5.2773E+02	.05	3.234
7.2095E+02	.23	.915	6.1221E+02	-.06	3.227	5.2608E+02	.06	3.054
7.1832E+02	-.03	4.868	6.0982E+02	-.01	24.622	5.2445E+02	.18	1.216
7.1571E+02	.01	17.132	6.0778E+02	.52	.780	5.2282E+02	.13	1.922
7.1312E+02	.04	4.546	6.0574E+02	.07	2.685	5.2120E+02	.15	1.889
7.1053E+02	.01	15.085	6.0372E+02	.05	3.827	5.1932E+02	.06	4.106
7.0797E+02	.14	1.553	6.0171E+02	.15	1.767	5.1771E+02	.10	1.935
7.0541E+02	.21	1.051	5.9971E+02	.12	1.785	5.1612E+02	.15	1.329
7.0287E+02	.27	.803	5.9772E+02	-.11	1.404	5.1453E+02	.08	2.500
6.9992E+02	.06	3.918	5.9574E+02	-.14	1.212	5.1294E+02	.26	1.137
6.9741E+02	.11	1.958	5.9376E+02	.03	8.323	5.1137E+02	.17	1.463
6.9492E+02	.21	1.157	5.9180E+02	.01	28.648	5.0980E+02	.21	1.479
6.9243E+02	.19	1.193	5.8953E+02	-.04	4.793	5.0824E+02	.22	1.350
6.8996E+02	.27	1.035	5.8758E+02	.09	2.484	5.0668E+02	.04	4.520
6.8750E+02	.22	.989	5.8565E+02	-.01	19.639	5.0488E+02	.29	.937
6.8506E+02	.27	.976	5.8373E+02	.00	97.703	5.0334E+02	.01	18.743
6.8263E+02	.16	1.806	5.8182E+02	.63	.988	5.0181E+02	-.13	1.607
6.8021E+02	-.01	11.825	5.7992E+02	.08	2.498	5.0029E+02	.03	7.886
6.7780E+02	.26	1.099	5.7802E+02	.01	16.640	4.9877E+02	-.01	11.144
6.7501E+02	.04	4.251	5.7614E+02	.01	16.589	4.9726E+02	-.09	2.133
6.7263E+02	.01	18.475	5.7426E+02	-.02	8.208	4.9576E+02	-.09	2.240

E(EV)	S(B)	DS/S	E(EV)	S(B)	DS/S	E(EV)	S(B)	DS/S
4.9426E+02	.13	2.034	4.3110E+02	.06	3.225	3.7933E+02	.24	.919
4.9277E+02	.08	3.089	4.2989E+02	-.03	6.272	3.7833E+02	-.04	3.817
4.9129E+02	.18	2.015	4.2868E+02	-.11	1.566	3.7733E+02	-.08	2.269
4.8956E+02	-.10	2.301	4.2748E+02	-.16	1.042	3.7634E+02	.12	1.924
4.8809E+02	.06	4.565	4.2628E+02	.15	1.339	3.7535E+02	.35	.766
4.8663E+02	-.01	20.194	4.2489E+02	.09	1.864	3.7436E+02	.05	3.755
4.8518E+02	.15	1.711	4.2370E+02	.03	7.414	3.7322E+02	.14	1.390
4.8373E+02	-.15	1.127	4.2252E+02	-.04	4.620	3.7224E+02	.04	4.256
4.8229E+02	-.04	6.507	4.2134E+02	-.12	1.626	3.7127E+02	.08	1.915
4.8085E+02	-.06	3.024	4.2017E+02	-.12	1.306	3.7030E+02	.42	1.029
4.7942E+02	.23	1.095	4.1900E+02	.15	1.962	3.6933E+02	.15	1.445
4.7800E+02	-.04	4.357	4.1784E+02	.08	3.030	3.6837E+02	-.06	2.463
4.7658E+02	.15	1.552	4.1668E+02	-.02	10.096	3.6741E+02	.10	1.966
4.7493E+02	-.01	14.874	4.1553E+02	.65	1.090	3.6646E+02	.03	9.514
4.7353E+02	.10	2.265	4.1419E+02	.42	.772	3.6550E+02	.15	1.755
4.7213E+02	.42	.770	4.1304E+02	-.07	2.903	3.6456E+02	-.18	1.087
4.7074E+02	-.08	2.517	4.1191E+02	.10	2.529	3.6346E+02	.06	3.385
4.6936E+02	.18	1.950	4.1077E+02	.22	1.108	3.6252E+02	.16	1.354
4.6798E+02	.06	3.791	4.0964E+02	.01	21.444	3.6158E+02	-.12	3.099
4.6661E+02	.19	1.586	4.0852E+02	-.09	2.061	3.6065E+02	-.12	1.545
4.6524E+02	.13	1.577	4.0740E+02	.09	3.616	3.5972E+02	-.07	2.050
4.6388E+02	.14	1.442	4.0628E+02	-.01	18.262	3.5880E+02	.04	4.554
4.6230E+02	.26	.887	4.0517E+02	.19	1.033	3.5787E+02	-.06	2.406
4.6095E+02	-.06	3.417	4.0407E+02	.00	65.942	3.5696E+02	-.11	1.352
4.5961E+02	.43	.817	4.0278E+02	.15	1.550	3.5604E+02	.04	7.743
4.5827E+02	.18	1.050	4.0169E+02	-.07	2.083	3.5498E+02	.08	3.644
4.5694E+02	.31	1.136	4.0060E+02	.07	2.899	3.5407E+02	-.15	1.198
4.5562E+02	-.01	12.149	3.9951E+02	-.10	1.536	3.5317E+02	-.07	3.151
4.5430E+02	-.00	260.808	3.9843E+02	.09	2.264	3.5227E+02	.17	1.336
4.5299E+02	-.18	1.327	3.9735E+02	.04	4.128	3.5137E+02	.14	1.526
4.5168E+02	-.16	1.409	3.9627E+02	-.09	1.944	3.5048E+02	.07	2.462
4.5038E+02	.06	3.643	3.9520E+02	-.04	4.629	3.4959E+02	-.03	5.325
4.4887E+02	-.11	1.271	3.9414E+02	.44	1.512	3.4870E+02	.09	2.263
4.4758E+02	.15	1.356	3.9290E+02	.19	3.278	3.4782E+02	.33	.735
4.4629E+02	-.04	3.327	3.9185E+02	-.17	1.145	3.4680E+02	.17	1.227
4.4501E+02	-.16	.815	3.9080E+02	.08	3.341	3.4592E+02	-.10	1.531
4.4374E+02	.27	1.462	3.8975E+02	.07	2.766	3.4505E+02	-.08	2.100
4.4247E+02	.28	1.380	3.8870E+02	.06	3.836	3.4418E+02	-.13	1.331
4.4121E+02	.07	2.839	3.8767E+02	.01	25.888	3.4331E+02	.28	.922
4.3996E+02	-.08	2.070	3.8663E+02	.42	.810	3.4245E+02	.25	.891
4.3870E+02	-.01	13.577	3.8560E+02	.08	2.694	3.4159E+02	-.04	3.735
4.3725E+02	-.04	4.352	3.8457E+02	.03	6.179	3.4074E+02	-.04	4.816
4.3601E+02	-.01	13.391	3.8355E+02	.08	2.646	3.3988E+02	.18	1.098
4.3478E+02	-.05	3.199	3.8236E+02	-.01	23.754	3.3903E+02	.11	1.866
4.3355E+02	.00	50.552	3.8135E+02	.21	1.157	3.3805E+02	.14	1.829
4.3232E+02	-.02	7.566	3.8034E+02	.47	.538	3.3720E+02	.18	1.380

E(EV)	S(B)	DS/S	E(EV)	S(B)	DS/S	E(EV)	S(B)	DS/S
3.3636E+02	.05	4.160	3.0031E+02	.00	58.631	2.6980E+02	.06	2.906
3.3553E+02	.11	1.961	2.9960E+02	.06	3.359	2.6914E+02	.17	1.032
3.3469E+02	.11	1.687	2.9890E+02	.07	2.658	2.6859E+02	.17	1.008
3.3386E+02	.25	.880	2.9820E+02	.07	2.223	2.6793E+02	-.09	1.132
3.3304E+02	.06	2.813	2.9750E+02	-.07	1.938	2.6738E+02	-.09	1.341
3.3221E+02	.09	2.032	2.9681E+02	-.14	.858	2.6672E+02	-.05	3.328
3.3139E+02	.09	2.375	2.9611E+02	.04	3.936	2.6617E+02	-.07	2.723
3.3044E+02	-.10	2.093	2.9542E+02	.23	.894	2.6552E+02	-.02	13.424
3.2962E+02	-.15	1.874	2.9461E+02	.11	1.503	2.6497E+02	.08	2.672
3.2881E+02	.07	3.423	2.9392E+02	.06	2.622	2.6442E+02	.01	19.960
3.2800E+02	-.03	7.558	2.9323E+02	.03	5.191	2.6377E+02	-.08	2.329
3.2720E+02	-.04	5.701	2.9254E+02	.06	2.555	2.6322E+02	-.12	1.588
3.2640E+02	.04	5.283	2.9185E+02	.11	1.518	2.6257E+02	-.04	4.333
3.2560E+02	-.09	2.165	2.9117E+02	.22	.845	2.6203E+02	.01	15.309
3.2480E+02	-.16	1.028	2.9048E+02	.17	.951	2.6148E+02	-.09	1.378
3.2401E+02	-.17	1.038	2.8979E+02	.15	1.069	2.6083E+02	-.07	1.747
3.2309E+02	-.17	1.097	2.8911E+02	.22	1.012	2.6029E+02	-.04	4.475
3.2230E+02	.23	1.026	2.8842E+02	.15	1.415	2.5964E+02	-.05	2.352
3.2151E+02	.48	.551	2.8785E+02	.03	6.774	2.5910E+02	.16	.944
3.2073E+02	.27	.861	2.8717E+02	-.04	4.557	2.5856E+02	.28	.696
3.1995E+02	-.00	999.000	2.8649E+02	-.06	2.952	2.5791E+02	.18	1.007
3.1918E+02	-.03	4.829	2.8581E+02	-.00	611.454	2.5737E+02	.23	.830
3.1841E+02	.05	3.813	2.8512E+02	.06	4.452	2.5683E+02	.23	.759
3.1764E+02	.08	2.603	2.8444E+02	.04	5.385	2.5630E+02	.13	1.128
3.1687E+02	.18	1.282	2.8377E+02	.04	5.594	2.5565E+02	.05	2.602
3.1610E+02	.11	1.961	2.8309E+02	.07	3.132	2.5511E+02	.04	3.351
3.1521E+02	-.06	3.396	2.8252E+02	-.02	9.394	2.5458E+02	.08	2.123
3.1445E+02	-.12	1.371	2.8185E+02	-.08	1.757	2.5404E+02	.10	1.955
3.1370E+02	-.15	1.020	2.8117E+02	-.03	5.611	2.5340E+02	.10	1.479
3.1295E+02	-.07	2.202	2.8050E+02	.02	7.947	2.5287E+02	.23	.822
3.1219E+02	.03	4.738	2.7982E+02	-.01	21.515	2.5233E+02	.12	1.158
3.1145E+02	-.06	2.146	2.7926E+02	-.02	9.089	2.5180E+02	.01	8.044
3.1070E+02	-.08	1.778	2.7859E+02	-.06	2.178	2.5127E+02	-.09	1.274
3.0996E+02	.21	.871	2.7791E+02	.06	2.514	2.5063E+02	-.11	.994
3.0922E+02	.12	1.670	2.7735E+02	.19	.792	2.5010E+02	.02	6.968
3.0836E+02	.25	.830	2.7668E+02	.07	1.939	2.4957E+02	.04	3.627
3.0763E+02	.02	8.627	2.7601E+02	-.01	13.799	2.4904E+02	-.03	4.626
3.0690E+02	-.17	.767	2.7534E+02	-.10	1.454	2.4851E+02	-.02	7.280
3.0617E+02	.01	11.308	2.7479E+02	-.12	1.392	2.4798E+02	.01	12.906
3.0544E+02	.12	1.509	2.7412E+02	.06	2.976	2.4745E+02	.00	29.307
3.0472E+02	-.03	4.471	2.7357E+02	.08	2.331	2.4692E+02	-.06	1.542
3.0400E+02	-.09	1.498	2.7290E+02	.05	3.481	2.4639E+02	.02	4.989
3.0328E+02	.04	4.905	2.7223E+02	-.02	8.470	2.4576E+02	.15	.944
3.0256E+02	.06	4.440	2.7168E+02	-.03	5.535	2.4524E+02	.14	.963
3.0173E+02	-.20	.793	2.7102E+02	-.12	1.556	2.4471E+02	.05	2.392
3.0102E+02	.14	1.726	2.7046E+02	.14	2.156	2.4419E+02	-.02	6.618

E(EV)	S(B)	DS/S	E(EV)	S(B)	DS/S	E(EV)	S(B)	DS/S
2.4366E+02	-.06	1.714	2.2124E+02	.05	3.527	2.0171E+02	-.07	1.491
2.4314E+02	-.04	2.656	2.2074E+02	-.05	2.815	2.0132E+02	-.02	5.824
2.4261E+02	-.01	9.734	2.2034E+02	-.02	7.724	2.0094E+02	-.03	4.977
2.4209E+02	-.02	6.515	2.1984E+02	-.05	2.050	2.0047E+02	.02	8.175
2.4157E+02	-.05	2.454	2.1944E+02	-.09	1.162	2.0009E+02	.01	8.663
2.4105E+02	-.07	1.836	2.1895E+02	-.06	1.467	1.9980E+02	-.05	3.715
2.4053E+02	-.06	2.287	2.1855E+02	.03	4.413	1.9942E+02	.10	1.839
2.4011E+02	-.01	11.970	2.1805E+02	-.01	8.843	1.9904E+02	.16	1.472
2.3959E+02	.01	25.423	2.1766E+02	.03	4.022	1.9866E+02	.20	1.085
2.3907E+02	.03	6.869	2.1716E+02	.01	6.645	1.9828E+02	.36	1.364
2.3855E+02	.40	.649	2.1677E+02	.01	8.354	1.9791E+02	-.05	4.112
2.3803E+02	1.70	.249	2.1627E+02	-.07	1.365	1.9753E+02	-.13	1.872
2.3751E+02	2.23	.206	2.1588E+02	-.06	2.525	1.9715E+02	.06	5.429
2.3700E+02	2.03	.168	2.1538E+02	-.02	8.730	1.9677E+02	-.04	8.084
2.3648E+02	2.17	.173	2.1499E+02	.03	5.252	1.9640E+02	.39	.787
2.3596E+02	1.95	.192	2.1450E+02	.13	1.339	1.9602E+02	.40	.679
2.3555E+02	1.28	.233	2.1410E+02	.17	1.810	1.9565E+02	.10	2.326
2.3504E+02	.69	.317	2.1371E+02	.08	3.567	1.9527E+02	-.00	52.251
2.3452E+02	.59	.403	2.1322E+02	.05	2.617	1.9489E+02	-.06	2.264
2.3401E+02	.41	.528	2.1283E+02	.22	.653	1.9452E+02	-.05	2.675
2.3349E+02	.51	.431	2.1244E+02	.08	1.311	1.9405E+02	.04	4.522
2.3298E+02	1.43	.215	2.1195E+02	-.13	.649	1.9377E+02	-.01	16.838
2.3257E+02	1.68	.199	2.1156E+02	-.09	1.041	1.9340E+02	-.14	1.486
2.3206E+02	1.18	.241	2.1107E+02	-.04	2.663	1.9302E+02	-.06	3.325
2.3155E+02	.72	.424	2.1068E+02	.01	9.204	1.9265E+02	.03	8.103
2.3104E+02	.46	.597	2.1029E+02	.06	2.136	1.9228E+02	.17	1.869
2.3063E+02	.48	.404	2.0980E+02	-.06	1.784	1.9190E+02	.05	3.642
2.3012E+02	.41	.421	2.0941E+02	-.02	4.769	1.9153E+02	-.06	2.380
2.2961E+02	.42	.417	2.0902E+02	.02	6.732	1.9116E+02	.12	1.861
2.2910E+02	.16	.816	2.0863E+02	-.06	1.622	1.9079E+02	-.02	6.456
2.2869E+02	.12	1.062	2.0815E+02	-.02	5.725	1.9042E+02	-.00	33.738
2.2819E+02	.19	.739	2.0776E+02	-.01	7.248	1.9005E+02	.01	20.882
2.2768E+02	.24	.565	2.0737E+02	.00	22.042	1.8977E+02	.04	3.489
2.2727E+02	.16	.743	2.0699E+02	-.05	2.130	1.8940E+02	.11	1.721
2.2677E+02	.02	5.525	2.0651E+02	-.10	1.117	1.8894E+02	.08	1.643
2.2626E+02	.01	7.056	2.0612E+02	-.12	.970	1.8857E+02	.13	1.159
2.2586E+02	.09	1.279	2.0573E+02	-.14	.791	1.8829E+02	.21	.754
2.2535E+02	.12	.957	2.0535E+02	-.09	1.383	1.8792E+02	.14	1.331
2.2485E+02	.14	.875	2.0487E+02	-.03	5.508	1.8756E+02	.04	3.750
2.2445E+02	.15	.761	2.0448E+02	-.01	16.111	1.8728E+02	.13	1.295
2.2394E+02	.08	1.390	2.0410E+02	.21	.886	1.8691E+02	.59	.711
2.2354E+02	-.07	1.415	2.0372E+02	.24	.852	1.8645E+02	2.07	.245
2.2304E+02	-.10	1.408	2.0333E+02	-.15	1.042	1.8618E+02	3.25	.324
2.2254E+02	-.19	.909	2.0285E+02	-.19	.633	1.8581E+02	2.49	.212
2.2214E+02	-.00	46.977	2.0247E+02	-.08	1.470	1.8544E+02	1.91	.271
2.2164E+02	.12	1.602	2.0209E+02	-.07	1.402	1.8517E+02	1.32	.434

E(EV)	S(B)	DS/S	E(EV)	S(B)	DS/S	E(EV)	S(B)	DS/S
1.8480E+02	.91	.272	1.6969E+02	.01	16.285	1.5648E+02	.03	6.151
1.8426E+02	.78	.308	1.6943E+02	.18	1.179	1.5622E+02	.09	2.156
1.8407E+02	.73	.315	1.6908E+02	-.05	2.748	1.5589E+02	-.01	18.856
1.8362E+02	.61	.340	1.6873E+02	.06	3.552	1.5564E+02	.14	1.084
1.8335E+02	.44	.469	1.6847E+02	.05	3.790	1.5539E+02	.08	3.232
1.8298E+02	1.12	.400	1.6820E+02	-.05	3.063	1.5513E+02	-.07	1.650
1.8262E+02	.24	.925	1.6794E+02	-.18	1.022	1.5488E+02	.01	17.390
1.8226E+02	.85	.677	1.6760E+02	.07	2.995	1.5463E+02	.15	2.087
1.8189E+02	.39	.694	1.6725E+02	-.18	.900	1.5430E+02	-.10	2.225
1.8162E+02	.44	.678	1.6699E+02	-.01	22.640	1.5405E+02	-.10	1.926
1.8126E+02	.55	.786	1.6673E+02	.11	2.209	1.5380E+02	.12	1.896
1.8099E+02	.38	.612	1.6638E+02	.07	4.985	1.5355E+02	.01	20.162
1.8054E+02	-.02	11.165	1.6603E+02	-.06	3.896	1.5330E+02	-.07	2.513
1.8027E+02	.02	8.229	1.6577E+02	.00	57.940	1.5305E+02	-.02	11.675
1.7990E+02	.15	1.192	1.6551E+02	.03	7.687	1.5280E+02	-.05	3.041
1.7963E+02	.07	2.398	1.6517E+02	.25	1.040	1.5247E+02	-.10	1.251
1.7927E+02	.34	1.255	1.6491E+02	-.04	5.125	1.5222E+02	-.08	1.940
1.7891E+02	-.03	6.083	1.6465E+02	-.27	.933	1.5197E+02	-.01	20.928
1.7856E+02	.01	25.014	1.6439E+02	.10	2.349	1.5172E+02	-.03	6.086
1.7829E+02	.17	1.252	1.6396E+02	.00	53.573	1.5147E+02	-.01	17.874
1.7793E+02	.03	5.784	1.6370E+02	.07	3.052	1.5122E+02	.02	10.771
1.7766E+02	-.02	11.526	1.6344E+02	.17	1.220	1.5089E+02	.10	2.099
1.7721E+02	-.07	2.840	1.6319E+02	.00	114.899	1.5065E+02	.22	1.131
1.7694E+02	-.01	34.132	1.6284E+02	.05	3.165	1.5048E+02	.27	1.136
1.7659E+02	-.05	3.180	1.6259E+02	.15	1.262	1.5015E+02	.22	1.311
1.7632E+02	.01	22.496	1.6233E+02	-.05	3.086	1.4990E+02	.24	1.768
1.7605E+02	.31	.896	1.6207E+02	.10	2.471	1.4966E+02	.29	1.152
1.7560E+02	.14	1.694	1.6173E+02	-.12	.872	1.4941E+02	.17	3.139
1.7534E+02	-.10	1.729	1.6148E+02	-.01	12.382	1.4916E+02	.28	1.200
1.7498E+02	-.10	1.677	1.6122E+02	.08	1.628	1.4892E+02	.08	3.427
1.7472E+02	-.19	.796	1.6088E+02	.08	2.376	1.4867E+02	.01	43.373
1.7436E+02	-.12	1.142	1.6062E+02	-.08	1.542	1.4843E+02	-.06	4.585
1.7401E+02	-.07	1.895	1.6037E+02	-.03	3.805	1.4818E+02	.03	9.368
1.7374E+02	.03	4.728	1.6011E+02	-.02	5.269	1.4785E+02	.22	1.130
1.7347E+02	-.12	1.048	1.5977E+02	.05	2.935	1.4769E+02	-.04	5.504
1.7312E+02	.01	11.506	1.5952E+02	-.01	11.209	1.4745E+02	-.16	1.362
1.7277E+02	.25	.832	1.5926E+02	.21	1.376	1.4712E+02	-.05	3.469
1.7250E+02	.22	.897	1.5892E+02	.03	9.186	1.4696E+02	.19	1.178
1.7215E+02	.02	6.201	1.5867E+02	.27	.856	1.4671E+02	.35	.739
1.7189E+02	.10	1.974	1.5841E+02	-.13	1.715	1.4639E+02	.03	8.544
1.7153E+02	-.07	2.189	1.5816E+02	.20	1.195	1.4623E+02	-.08	2.537
1.7118E+02	.07	2.080	1.5782E+02	.03	6.377	1.4598E+02	.07	3.374
1.7092E+02	-.04	3.345	1.5757E+02	.05	3.737	1.4566E+02	.02	12.867
1.7065E+02	-.01	11.916	1.5732E+02	.09	2.403	1.4549E+02	-.03	7.512
1.7030E+02	.11	1.391	1.5698E+02	.03	7.545	1.4525E+02	.00	138.237
1.6995E+02	.01	8.551	1.5673E+02	.04	4.711	1.4493E+02	-.01	36.268

E(EV)	S(B)	DS/S	E(EV)	S(B)	DS/S	E(EV)	S(B)	DS/S
1.4477E+02	-.02	7.868	1.3429E+02	-.15	1.510	1.2495E+02	-.02	5.503
1.4452E+02	.04	6.015	1.3405E+02	.14	1.427	1.2473E+02	.10	1.462
1.4420E+02	-.05	4.577	1.3382E+02	.10	2.019	1.2458E+02	.19	.853
1.4404E+02	.05	4.605	1.3366E+02	.07	2.677	1.2428E+02	.04	3.526
1.4380E+02	.02	15.094	1.3343E+02	.09	1.993	1.2413E+02	-.36	.876
1.4356E+02	-.03	6.439	1.3320E+02	-.08	2.276	1.2390E+02	-.31	1.187
1.4331E+02	-.09	1.614	1.3297E+02	-.26	.862	1.2375E+02	-.03	14.911
1.4307E+02	.03	5.465	1.3281E+02	-.21	1.258	1.2353E+02	.18	1.602
1.4283E+02	.04	4.009	1.3258E+02	-.03	7.067	1.2338E+02	.09	3.173
1.4259E+02	.00	81.383	1.3235E+02	-.27	.672	1.2323E+02	-.03	8.662
1.4235E+02	-.12	.940	1.3219E+02	.01	17.260	1.2301E+02	-.02	8.537
1.4211E+02	.07	3.581	1.3188E+02	.11	2.254	1.2286E+02	-.09	2.282
1.4195E+02	.11	3.061	1.3173E+02	-.06	2.949	1.2263E+02	-.08	2.742
1.4163E+02	.04	7.741	1.3157E+02	-.19	1.617	1.2249E+02	-.01	15.634
1.4139E+02	.07	3.686	1.3127E+02	-.05	3.956	1.2219E+02	.22	1.251
1.4123E+02	-.21	1.463	1.3111E+02	-.02	15.425	1.2204E+02	.19	1.851
1.4091E+02	.21	1.348	1.3088E+02	.17	1.197	1.2182E+02	.03	8.236
1.4075E+02	.96	.690	1.3073E+02	.05	4.303	1.2167E+02	-.01	15.135
1.4051E+02	2.41	.527	1.3050E+02	.09	1.962	1.2152E+02	.14	1.809
1.4027E+02	3.51	.179	1.3027E+02	.14	1.362	1.2130E+02	.09	3.292
1.4003E+02	5.21	.129	1.3011E+02	.22	.973	1.2115E+02	.11	2.528
1.3980E+02	3.57	.190	1.2988E+02	.09	2.042	1.2093E+02	.09	2.417
1.3956E+02	2.84	.223	1.2965E+02	.01	14.264	1.2078E+02	.06	3.295
1.3940E+02	1.98	.357	1.2943E+02	-.07	2.705	1.2056E+02	.04	4.928
1.3908E+02	1.15	.378	1.2927E+02	-.08	2.509	1.2041E+02	-.02	8.406
1.3892E+02	1.05	.346	1.2912E+02	-.01	14.714	1.2019E+02	-.10	1.197
1.3869E+02	.72	.432	1.2881E+02	.09	4.115	1.2004E+02	-.12	1.027
1.3845E+02	.54	.568	1.2866E+02	-.01	27.536	1.1982E+02	-.13	1.790
1.3821E+02	.53	.549	1.2843E+02	.01	16.950	1.1968E+02	.03	4.019
1.3797E+02	.10	2.969	1.2828E+02	-.01	23.522	1.1945E+02	.11	1.155
1.3781E+02	.11	2.814	1.2805E+02	-.00	143.714	1.1931E+02	.06	2.064
1.3758E+02	.11	2.534	1.2782E+02	-.02	15.050	1.1916E+02	.05	2.288
1.3734E+02	.04	5.337	1.2767E+02	.06	2.664	1.1894E+02	.05	2.272
1.3711E+02	.12	1.943	1.2745E+02	.05	5.531	1.1879E+02	-.02	6.113
1.3687E+02	.15	1.951	1.2729E+02	-.01	30.537	1.1857E+02	-.09	1.082
1.3663E+02	.27	.834	1.2707E+02	-.01	29.136	1.1843E+02	-.06	1.661
1.3648E+02	.11	1.852	1.2684E+02	-.06	2.714	1.1821E+02	.01	19.367
1.3624E+02	.06	2.744	1.2669E+02	.04	3.337	1.1806E+02	.10	1.504
1.3601E+02	-.07	2.865	1.2646E+02	.14	1.509	1.1784E+02	.20	.750
1.3577E+02	-.12	1.638	1.2631E+02	-.06	1.895	1.1770E+02	.27	.624
1.3554E+02	.02	7.329	1.2608E+02	.04	4.839	1.1748E+02	.12	1.517
1.3538E+02	.28	.779	1.2593E+02	.19	1.156	1.1733E+02	-.00	39.380
1.3515E+02	.32	.815	1.2563E+02	.14	1.413	1.1719E+02	-.05	2.524
1.3491E+02	.12	1.630	1.2548E+02	.06	3.022	1.1704E+02	.16	1.300
1.3476E+02	.05	4.064	1.2525E+02	-.04	3.435	1.1682E+02	.30	.963
1.3444E+02	-.05	3.271	1.2510E+02	-.18	.672	1.1668E+02	.23	1.199

E(EV)	S(B)	DS/S	E(EV)	S(B)	DS/S	E(EV)	S(B)	DS/S
1.1646E+02	.14	1.526	1.0890E+02	.13	1.660	1.0199E+02	.18	.790
1.1632E+02	.19	1.345	1.0869E+02	.21	.681	1.0186E+02	.14	.931
1.1617E+02	.31	.904	1.0862E+02	.21	.925	1.0172E+02	.15	1.482
1.1595E+02	.44	.911	1.0841E+02	.09	1.810	1.0159E+02	.10	1.502
1.1581E+02	.86	.470	1.0827E+02	-.03	7.795	1.0145E+02	.06	2.382
1.1559E+02	.66	.691	1.0813E+02	-.03	5.477	1.0132E+02	.09	1.854
1.1545E+02	.65	.667	1.0799E+02	.22	.758	1.0111E+02	.29	.832
1.1530E+02	.89	.472	1.0778E+02	.01	22.146	1.0105E+02	.16	1.053
1.1516E+02	.97	.553	1.0764E+02	-.01	20.359	1.0084E+02	.31	.645
1.1494E+02	.60	.962	1.0750E+02	-.04	4.269	1.0078E+02	.33	1.124
1.1480E+02	.51	.779	1.0736E+02	.05	3.150	1.0057E+02	.12	1.755
1.1458E+02	.52	.645	1.0715E+02	.05	1.938	1.0044E+02	.32	.836
1.1444E+02	.49	.657	1.0708E+02	.09	1.168	1.0030E+02	.86	.661
1.1422E+02	.23	1.353	1.0687E+02	-.03	3.561	1.0017E+02	.78	.770
1.1408E+02	.05	5.320	1.0673E+02	-.05	1.935	1.0003E+02	1.17	.636
1.1393E+02	-.04	4.986	1.0659E+02	-.05	2.050	9.9901E+01	.99	.564
1.1379E+02	-.02	12.578	1.0639E+02	-.04	2.740	9.9766E+01	.92	.426
1.1358E+02	.11	1.748	1.0625E+02	-.01	24.492	9.9632E+01	1.57	.264
1.1343E+02	.13	1.516	1.0611E+02	-.17	1.669	9.9498E+01	3.61	.207
1.1322E+02	.00	469.030	1.0597E+02	-.55	.479	9.9364E+01	6.75	.602
1.1308E+02	-.11	1.364	1.0576E+02	-.10	2.300	9.9230E+01	11.38	.604
1.1293E+02	-.04	4.176	1.0569E+02	.08	2.981	9.9096E+01	14.30	.361
1.1279E+02	-.02	6.969	1.0549E+02	.45	.598	9.8962E+01	16.91	.109
1.1258E+02	-.02	6.366	1.0535E+02	.16	1.949	9.8828E+01	17.53	.104
1.1243E+02	.01	24.829	1.0521E+02	.26	1.607	9.8628E+01	16.10	.186
1.1222E+02	-.02	9.732	1.0507E+02	.38	.688	9.8561E+01	14.66	.335
1.1208E+02	.04	4.749	1.0493E+02	-.01	16.383	9.8428E+01	11.32	.379
1.1193E+02	-.01	34.163	1.0480E+02	-.02	7.643	9.8294E+01	8.02	.253
1.1179E+02	.12	2.013	1.0459E+02	-.07	1.720	9.8161E+01	6.04	.211
1.1158E+02	.44	.600	1.0452E+02	-.06	2.019	9.8028E+01	4.69	.210
1.1144E+02	.23	1.173	1.0432E+02	.10	2.677	9.7895E+01	4.25	.114
1.1122E+02	.08	2.429	1.0418E+02	.14	1.233	9.7695E+01	3.12	.146
1.1115E+02	-.01	23.936	1.0404E+02	.06	2.306	9.7629E+01	2.76	.122
1.1094E+02	-.01	19.677	1.0391E+02	.00	28.036	9.7430E+01	1.75	.309
1.1080E+02	.28	.838	1.0377E+02	.07	1.984	9.7363E+01	1.91	.162
1.1059E+02	.17	1.742	1.0356E+02	.18	1.025	9.7164E+01	1.02	.213
1.1052E+02	-.04	4.535	1.0343E+02	.19	1.571	9.7098E+01	1.14	.206
1.1030E+02	.04	4.814	1.0329E+02	-.09	1.192	9.6966E+01	.78	.294
1.1016E+02	-.05	3.299	1.0315E+02	.06	3.359	9.6833E+01	.62	.320
1.0995E+02	-.09	1.239	1.0302E+02	-.01	9.823	9.6701E+01	.50	.359
1.0988E+02	-.09	1.667	1.0288E+02	-.02	5.456	9.6503E+01	.53	.284
1.0967E+02	.00	57.096	1.0274E+02	.02	4.436	9.6437E+01	.52	.398
1.0953E+02	-.02	11.871	1.0261E+02	.19	.659	9.6305E+01	.09	2.483
1.0932E+02	.08	1.814	1.0240E+02	.07	1.460	9.6173E+01	-.06	3.773
1.0925E+02	.05	3.605	1.0233E+02	.20	.666	9.6041E+01	-.03	9.472
1.0904E+02	-.02	19.309	1.0213E+02	.30	1.105	9.5909E+01	-.14	1.481

E(EV)	S(B)	DS/S	E(EV)	S(B)	DS/S	E(EV)	S(B)	DS/S
9.5778E+01	-.20	.734	9.0074E+01	-.04	4.047	8.4856E+01	-.04	6.050
9.5646E+01	-.10	1.449	8.9947E+01	-.03	5.436	8.4794E+01	.03	7.279
9.5515E+01	.14	.988	8.9819E+01	-.11	1.447	8.4670E+01	.46	1.264
9.5383E+01	.18	.804	8.9692E+01	-.18	.582	8.4546E+01	.40	.668
9.5252E+01	.06	2.156	8.9628E+01	-.07	2.013	8.4484E+01	.58	.502
9.5121E+01	.01	11.257	8.9501E+01	.00	48.101	8.4361E+01	.58	.552
9.4990E+01	.02	5.932	8.9374E+01	.02	11.692	8.4237E+01	.29	.952
9.4858E+01	.01	13.014	8.9247E+01	.07	2.808	8.4114E+01	-.03	6.913
9.4728E+01	.14	.862	8.9120E+01	.04	2.890	8.3990E+01	-.06	2.587
9.4597E+01	.30	.546	8.9056E+01	.18	.823	8.3929E+01	-.02	8.294
9.4466E+01	.16	.870	8.8929E+01	.54	.625	8.3806E+01	-.16	1.976
9.4401E+01	.04	3.667	8.8803E+01	.25	.799	8.3683E+01	-.02	8.444
9.4205E+01	.02	11.877	8.8676E+01	.09	1.952	8.3621E+01	.06	2.514
9.4074E+01	-.06	2.092	8.8549E+01	.01	12.025	8.3498E+01	.11	1.779
9.4009E+01	-.07	2.431	8.8486E+01	-.03	3.964	8.3375E+01	.02	7.335
9.3814E+01	-.09	1.996	8.8296E+01	-.02	5.853	8.3314E+01	.08	2.671
9.3749E+01	-.02	14.558	8.8233E+01	-.02	6.058	8.3191E+01	.03	8.003
9.3618E+01	.26	1.243	8.8107E+01	-.10	1.176	8.3069E+01	.04	5.509
9.3488E+01	.35	.938	8.7981E+01	-.15	.557	8.2946E+01	-.00	41.637
9.3358E+01	.37	1.157	8.7918E+01	.01	20.738	8.2824E+01	.11	1.569
9.3228E+01	.24	1.936	8.7729E+01	.06	2.401	8.2762E+01	.10	2.206
9.3099E+01	.25	1.889	8.7666E+01	.06	2.876	8.2640E+01	.13	2.295
9.2969E+01	-.02	15.339	8.7540E+01	.13	1.783	8.2518E+01	-.10	1.221
9.2904E+01	-.21	1.677	8.7414E+01	.10	1.486	8.2457E+01	-.05	2.966
9.2710E+01	.13	3.713	8.7351E+01	.06	2.426	8.2335E+01	.04	4.475
9.2580E+01	.35	.806	8.7226E+01	-.03	5.054	8.2274E+01	.20	.668
9.2516E+01	.42	1.256	8.7100E+01	-.02	9.306	8.2152E+01	.25	.746
9.2322E+01	.50	.792	8.6974E+01	-.03	6.633	8.2030E+01	.07	1.803
9.2257E+01	.38	.971	8.6849E+01	-.12	1.167	8.1969E+01	.14	.864
9.2128E+01	.03	14.409	8.6787E+01	-.14	1.934	8.1847E+01	.11	1.296
9.1999E+01	.10	3.960	8.6661E+01	-.04	4.874	8.1726E+01	.03	3.026
9.1870E+01	.08	4.814	8.6474E+01	.01	8.887	8.1665E+01	.12	1.534
9.1741E+01	.12	1.681	8.6411E+01	.03	4.906	8.1544E+01	.09	1.555
9.1677E+01	.12	1.679	8.6286E+01	.28	.630	8.1422E+01	.15	.712
9.1484E+01	-.33	.649	8.6224E+01	.41	.685	8.1361E+01	.16	.897
9.1419E+01	-.19	.952	8.6099E+01	.32	.987	8.1240E+01	.18	1.049
9.1291E+01	.01	29.634	8.5974E+01	-.22	1.642	8.1119E+01	.16	1.416
9.1162E+01	.10	2.067	8.5912E+01	-.23	1.062	8.0998E+01	.06	3.425
9.1034E+01	-.05	4.877	8.5725E+01	-.36	.561	8.0877E+01	-.03	3.944
9.0906E+01	.19	.867	8.5663E+01	-.23	.913	8.0816E+01	-.05	1.345
9.0842E+01	.00	53.195	8.5538E+01	.20	2.546	8.0696E+01	.02	6.445
9.0650E+01	-.04	5.411	8.5414E+01	.38	.719	8.0575E+01	.13	1.173
9.0522E+01	.20	.825	8.5352E+01	.27	1.057	8.0515E+01	.18	.767
9.0458E+01	.19	1.232	8.5227E+01	.19	3.063	8.0394E+01	.29	.657
9.0266E+01	-.08	1.694	8.5103E+01	.11	2.856	8.0334E+01	.17	.626
9.0202E+01	-.16	.902	8.4979E+01	.04	7.960	8.0213E+01	.16	.813

E(EV)	S(B)	DS/S	E(EV)	S(8)	DS/S	E(EV)	S(8)	DS/S
8.0093E+01	.10	.935	7.5760E+01	107.59	.229	7.1547E+01	.33	.662
8.0032E+01	.12	.820	7.5701E+01	94.18	.190	7.1490E+01	.32	.318
7.9912E+01	.22	.610	7.5584E+01	65.91	.213	7.1433E+01	.33	.289
7.9792E+01	.27	.631	7.5467E+01	53.82	.153	7.1320E+01	.49	.603
7.9732E+01	.20	.488	7.5409E+01	49.50	.145	7.1206E+01	.36	.397
7.9612E+01	.29	.529	7.5292E+01	37.24	.142	7.1149E+01	.38	.307
7.9492E+01	.18	1.096	7.5175E+01	27.76	.110	7.1093E+01	.33	.296
7.9432E+01	.09	1.140	7.5117E+01	22.25	.109	7.0979E+01	.13	.791
7.9312E+01	.16	.749	7.5059E+01	19.08	.087	7.0923E+01	.11	.871
7.9193E+01	.25	.386	7.4942E+01	13.62	.096	7.0809E+01	.08	1.438
7.9133E+01	.28	.544	7.4884E+01	12.00	.112	7.0696E+01	.11	1.291
7.9013E+01	.29	.572	7.4768E+01	7.83	.090	7.0583E+01	.07	1.918
7.8953E+01	.34	.479	7.4652E+01	6.75	.081	7.0470E+01	.08	1.176
7.8834E+01	.23	.423	7.4593E+01	6.40	.085	7.0414E+01	.10	.766
7.8774E+01	.28	.379	7.4477E+01	5.09	.111	7.0357E+01	.10	.749
7.8655E+01	.46	.241	7.4361E+01	4.19	.101	7.0245E+01	.08	1.181
7.8595E+01	.61	.349	7.4245E+01	3.84	.297	7.0188E+01	.04	2.326
7.8476E+01	.41	.271	7.4130E+01	3.87	.317	7.0076E+01	-.08	1.327
7.8416E+01	.38	.246	7.4072E+01	3.76	.285	7.0019E+01	-.12	1.102
7.8297E+01	.36	.393	7.3956E+01	3.56	.257	6.9907E+01	-.10	1.638
7.8178E+01	.45	.277	7.3840E+01	2.88	.194	6.9851E+01	-.15	1.320
7.8119E+01	.50	.263	7.3725E+01	2.83	.290	6.9738E+01	.03	3.807
7.8000E+01	.74	.271	7.3609E+01	1.87	.363	6.9682E+01	.01	11.493
7.7881E+01	1.00	.215	7.3552E+01	1.80	.294	6.9626E+01	.01	11.568
7.7822E+01	1.14	.228	7.3436E+01	2.12	.428	6.9514E+01	.06	5.066
7.7704E+01	1.13	.321	7.3321E+01	2.08	.338	6.9402E+01	-.12	.938
7.7585E+01	1.02	.149	7.3264E+01	1.74	.273	6.9290E+01	.07	3.139
7.7526E+01	1.17	.179	7.3206E+01	1.75	.221	6.9178E+01	.09	1.895
7.7407E+01	1.39	.193	7.3091E+01	2.07	.206	6.9122E+01	.06	2.195
7.7289E+01	1.50	.128	7.3034E+01	1.80	.216	6.9066E+01	.04	2.987
7.7230E+01	1.63	.133	7.2919E+01	1.35	.363	6.8954E+01	.26	.750
7.7112E+01	2.34	.099	7.2804E+01	.99	.245	6.8898E+01	.17	.777
7.7053E+01	2.90	.081	7.2747E+01	.92	.231	6.8843E+01	.10	1.306
7.6994E+01	3.48	.082	7.2689E+01	.86	.356	6.8731E+01	-.03	6.362
7.6876E+01	5.81	.195	7.2575E+01	.54	.586	6.8619E+01	-.18	1.000
7.6758E+01	10.69	.227	7.2517E+01	.54	.484	6.8564E+01	.06	2.449
7.6699E+01	14.75	.422	7.2403E+01	.36	1.069	6.8508E+01	.16	1.193
7.6581E+01	36.83	.405	7.2288E+01	.27	.679	6.8397E+01	.28	1.009
7.6523E+01	54.39	.538	7.2231E+01	.46	.422	6.8341E+01	.15	.850
7.6405E+01	109.02	.666	7.2174E+01	.69	.536	6.8286E+01	.07	1.608
7.6287E+01	140.08	.398	7.2060E+01	.65	.338	6.8175E+01	-.15	.896
7.6229E+01	151.85	.292	7.2003E+01	.57	.338	6.8119E+01	-.03	4.514
7.6111E+01	176.74	.148	7.1889E+01	.35	.499	6.8008E+01	.14	.825
7.5994E+01	168.59	.098	7.1832E+01	.18	.802	6.7953E+01	.07	1.645
7.5935E+01	154.45	.127	7.1718E+01	.20	.708	6.7842E+01	-.02	5.801
7.5877E+01	140.67	.153	7.1661E+01	.12	1.140	6.7786E+01	-.02	4.431

E(EV)	S(B)	DS/S	E(EV)	S(B)	DS/S	E(EV)	S(B)	DS/S
6.7731E+01	-.02	6.257	6.4127E+01	-.15	1.167	6.0832E+01	-.08	1.814
6.7620E+01	.04	2.724	6.4020E+01	-.14	1.099	6.0727E+01	.05	1.844
6.7565E+01	.06	2.308	6.3966E+01	-.18	1.101	6.0622E+01	.17	.620
6.7510E+01	.07	1.730	6.3858E+01	.25	.637	6.0570E+01	.13	.941
6.7399E+01	.08	1.370	6.3805E+01	.44	.346	6.0465E+01	.08	1.433
6.7344E+01	.09	1.760	6.3751E+01	.58	.375	6.0360E+01	.10	1.573
6.7234E+01	.04	2.322	6.3643E+01	.46	.724	6.0308E+01	.05	2.000
6.7179E+01	.03	2.818	6.3536E+01	.50	.863	6.0204E+01	-.00	50.419
6.7124E+01	.02	4.024	6.3483E+01	.67	.620	6.0099E+01	-.07	1.044
6.7014E+01	-.00	43.065	6.3376E+01	.84	.588	6.0047E+01	-.05	1.770
6.6958E+01	-.03	3.453	6.3322E+01	.63	.580	5.9995E+01	-.02	4.860
6.6848E+01	.11	1.029	6.3268E+01	.44	.924	5.9943E+01	-.01	13.458
6.6793E+01	.11	1.176	6.3161E+01	-.06	6.511	5.9839E+01	.10	1.724
6.6738E+01	.04	2.699	6.3108E+01	.00	220.067	5.9787E+01	.09	1.477
6.6629E+01	-.11	1.210	6.3055E+01	.48	.916	5.9735E+01	.05	1.768
6.6574E+01	-.05	1.872	6.2948E+01	.26	1.354	5.9683E+01	.00	379.390
6.6519E+01	-.00	59.098	6.2895E+01	-.12	2.677	5.9579E+01	-.13	.797
6.6409E+01	.05	3.057	6.2841E+01	-.46	.785	5.9527E+01	-.16	.511
6.6354E+01	.11	1.128	6.2788E+01	-.25	1.406	5.9475E+01	-.14	.537
6.6300E+01	.15	1.032	6.2681E+01	.15	2.184	5.9424E+01	-.13	.668
6.6190E+01	-.00	51.574	6.2628E+01	.25	.876	5.9320E+01	-.01	9.634
6.6081E+01	.34	.888	6.2575E+01	.29	.891	5.9268E+01	-.04	1.966
6.5972E+01	.19	.868	6.2469E+01	-.07	2.393	5.9216E+01	-.07	1.327
6.5917E+01	.23	.500	6.2415E+01	-.12	1.310	5.9165E+01	-.07	2.495
6.5862E+01	.27	.522	6.2362E+01	-.05	3.096	5.9061E+01	.05	6.282
6.5753E+01	.25	.668	6.2309E+01	-.11	1.405	5.8958E+01	.08	5.538
6.5699E+01	.17	.752	6.2203E+01	-.11	1.235	5.8906E+01	.20	2.258
6.5590E+01	.06	1.970	6.2150E+01	-.12	.763	5.8803E+01	.96	.400
6.5535E+01	.12	.928	6.2097E+01	-.12	.742	5.8751E+01	1.13	.385
6.5481E+01	.19	.682	6.2044E+01	-.12	.888	5.8648E+01	2.92	.326
6.5372E+01	.30	.579	6.1938E+01	-.07	1.658	5.8597E+01	2.37	.282
6.5318E+01	.28	.784	6.1885E+01	-.07	1.379	5.8545E+01	1.40	.399
6.5263E+01	.30	.934	6.1832E+01	-.06	1.870	5.8494E+01	.92	.590
6.5155E+01	-.01	11.959	6.1727E+01	-.17	.736	5.8391E+01	.70	.762
6.5100E+01	.02	4.184	6.1674E+01	-.13	.639	5.8340E+01	.52	1.109
6.5046E+01	.04	2.923	6.1621E+01	-.10	.808	5.8288E+01	.76	.917
6.4938E+01	.05	2.443	6.1568E+01	-.05	1.856	5.8237E+01	.69	1.388
6.4883E+01	.09	1.739	6.1463E+01	-.10	.734	5.8134E+01	-.50	1.339
6.4829E+01	.03	4.583	6.1410E+01	-.13	.470	5.8083E+01	-.43	1.104
6.4721E+01	-.12	1.346	6.1357E+01	-.12	.577	5.8032E+01	.09	3.876
6.4667E+01	-.02	6.989	6.1305E+01	-.10	.755	5.7981E+01	.57	.676
6.4613E+01	.02	4.564	6.1199E+01	.05	1.882	5.7929E+01	.46	.689
6.4559E+01	.00	100.929	6.1094E+01	.27	.937	5.7878E+01	.19	1.244
6.4451E+01	-.19	.898	6.0989E+01	.02	2.797	5.7827E+01	.05	4.275
6.4343E+01	.41	.801	6.0937E+01	-.02	3.477	5.7725E+01	-.01	21.098
6.4235E+01	.10	2.300	6.0884E+01	-.06	1.061	5.7674E+01	.05	3.039

E(EV)	S(B)	DS/S	E(EV)	S(B)	DS/S	E(EV)	S(B)	DS/S
5.7623E+01	.09	1.356	5.4550E+01	.03	1.665	5.1707E+01	.07	1.687
5.7572E+01	.13	1.371	5.4501E+01	.04	1.531	5.1659E+01	.04	2.855
5.7470E+01	.09	1.433	5.4401E+01	.05	1.375	5.1610E+01	.05	2.827
5.7419E+01	.07	1.715	5.4352E+01	.07	.904	5.1562E+01	.08	2.543
5.7317E+01	-.05	3.063	5.4253E+01	.21	.817	5.1466E+01	.06	2.326
5.7266E+01	.00	999.000	5.4203E+01	.19	.559	5.1417E+01	.01	7.595
5.7164E+01	.00	115.496	5.4154E+01	.17	.755	5.1369E+01	-.07	2.611
5.7062E+01	.10	1.067	5.4104E+01	.19	1.085	5.1273E+01	-.36	.289
5.7012E+01	.12	.884	5.4055E+01	.21	1.514	5.1225E+01	-.27	.315
5.6961E+01	.12	.771	5.3956E+01	.37	.933	5.1176E+01	-.12	1.046
5.6910E+01	.13	.903	5.3906E+01	.34	1.043	5.1080E+01	.22	.623
5.6859E+01	.13	.829	5.3808E+01	.36	1.257	5.1032E+01	.23	.643
5.6758E+01	.20	.616	5.3758E+01	.39	.763	5.0936E+01	.06	4.435
5.6707E+01	.22	.693	5.3709E+01	.62	.465	5.0888E+01	.01	29.812
5.6657E+01	.08	1.271	5.3660E+01	.98	.332	5.0840E+01	-.06	2.387
5.6606E+01	-.03	2.370	5.3611E+01	1.07	.328	5.0744E+01	.09	1.885
5.6555E+01	-.07	1.418	5.3561E+01	.71	.564	5.0696E+01	.17	.860
5.6454E+01	-.07	1.441	5.3512E+01	.40	.777	5.0648E+01	.07	1.964
5.6353E+01	.30	.609	5.3463E+01	.30	.791	5.0601E+01	-.02	7.748
5.6303E+01	.19	.515	5.3414E+01	.14	2.422	5.0553E+01	.02	6.958
5.6252E+01	.11	.841	5.3315E+01	.29	1.024	5.0505E+01	.00	79.145
5.6202E+01	.04	2.555	5.3266E+01	.24	1.023	5.0457E+01	.01	12.241
5.6152E+01	-.03	4.659	5.3168E+01	-.10	2.660	5.0409E+01	.04	3.282
5.6051E+01	.04	2.719	5.3119E+01	.08	2.571	5.0362E+01	.07	1.667
5.6001E+01	.09	1.323	5.3070E+01	.24	.970	5.0314E+01	.14	.930
5.5900E+01	.06	2.014	5.3021E+01	.04	7.461	5.0266E+01	.15	1.120
5.5850E+01	.03	3.497	5.2972E+01	-.09	3.248	5.0171E+01	-.00	252.300
5.5749E+01	-.03	2.831	5.2923E+01	-.05	6.008	5.0123E+01	.01	18.736
5.5699E+01	-.05	1.075	5.2825E+01	.15	1.259	5.0076E+01	-.03	5.837
5.5599E+01	-.01	9.062	5.2777E+01	.03	6.716	4.9980E+01	-.41	.367
5.5548E+01	-.02	2.533	5.2679E+01	-.01	20.586	4.9933E+01	-.32	.393
5.5498E+01	-.02	2.865	5.2630E+01	.04	4.380	4.9885E+01	-.15	1.055
5.5448E+01	-.00	11.881	5.2581E+01	.03	5.078	4.9790E+01	.42	.404
5.5398E+01	.06	2.054	5.2484E+01	.08	2.956	4.9743E+01	.31	.403
5.5298E+01	.11	.914	5.2435E+01	.07	2.382	4.9696E+01	.19	.793
5.5248E+01	.08	.885	5.2386E+01	.13	1.817	4.9601E+01	.29	.549
5.5148E+01	.09	.943	5.2338E+01	-.01	18.176	4.9553E+01	.32	.428
5.5098E+01	.13	.730	5.2289E+01	-.15	.876	4.9506E+01	.36	.542
5.5048E+01	.17	.686	5.2240E+01	-.14	1.053	4.9411E+01	.13	1.797
5.4998E+01	.15	.608	5.2143E+01	-.16	.892	4.9364E+01	.13	1.471
5.4948E+01	.11	.864	5.2095E+01	-.19	.630	4.9317E+01	.15	1.089
5.4849E+01	.04	2.921	5.1998E+01	.11	1.234	4.9270E+01	.15	1.118
5.4799E+01	.01	5.977	5.1949E+01	.03	3.414	4.9175E+01	-.17	1.396
5.4699E+01	.01	5.309	5.1901E+01	-.02	4.911	4.9128E+01	.04	3.553
5.4650E+01	.04	1.414	5.1804E+01	.25	.645	4.9081E+01	.19	.907
5.4600E+01	.04	1.878	5.1755E+01	.15	.761	4.8987E+01	.01	32.974

E(EV)	S(B)	DS/S	E(EV)	S(B)	DS/S	E(EV)	S(B)	DS/S
4.8940E+01	.00	38.029	4.6386E+01	.10	.922	4.4079E+01	.03	2.032
4.8893E+01	.08	1.669	4.6340E+01	.11	.814	4.4034E+01	.05	1.285
4.8846E+01	.20	.730	4.6294E+01	.14	.721	4.3989E+01	.09	.740
4.8752E+01	.05	3.374	4.6248E+01	.16	.547	4.3945E+01	.18	.594
4.8705E+01	-.12	1.211	4.6203E+01	.11	.722	4.3900E+01	.18	.516
4.8658E+01	-.27	.572	4.6157E+01	.05	1.734	4.3856E+01	.14	.525
4.8564E+01	-.08	2.038	4.6111E+01	.06	1.722	4.3767E+01	.10	.849
4.8517E+01	-.02	5.404	4.6066E+01	.04	2.630	4.3722E+01	.04	1.181
4.8470E+01	.05	3.289	4.6020E+01	.06	2.289	4.3678E+01	-.00	587.002
4.8424E+01	.03	5.003	4.5974E+01	.12	1.184	4.3633E+01	.02	2.704
4.8330E+01	.14	1.148	4.5929E+01	.15	.736	4.3589E+01	.05	1.357
4.8283E+01	.18	.842	4.5883E+01	.15	.626	4.3544E+01	.08	.805
4.8236E+01	.12	.994	4.5838E+01	.08	1.215	4.3500E+01	.11	.592
4.8190E+01	.08	1.522	4.5792E+01	-.03	3.134	4.3456E+01	.13	.501
4.8096E+01	.14	.819	4.5747E+01	-.07	.989	4.3411E+01	.14	.532
4.8050E+01	.02	3.914	4.5701E+01	-.04	2.225	4.3323E+01	.12	1.067
4.8003E+01	-.11	.878	4.5656E+01	-.05	1.427	4.3279E+01	.17	.514
4.7957E+01	-.14	.733	4.5610E+01	-.06	1.293	4.3234E+01	.22	.414
4.7863E+01	.06	2.397	4.5520E+01	.19	.461	4.3190E+01	.24	.462
4.7817E+01	.03	3.372	4.5474E+01	.22	.326	4.3146E+01	.23	.532
4.7770E+01	-.01	20.034	4.5429E+01	.23	.392	4.3102E+01	.30	.458
4.7724E+01	-.01	10.384	4.5383E+01	.24	.401	4.3058E+01	.37	.387
4.7631E+01	.22	.997	4.5338E+01	.24	.354	4.3014E+01	.32	.439
4.7585E+01	.24	.724	4.5293E+01	.21	.437	4.2969E+01	.08	1.372
4.7538E+01	.29	.641	4.5202E+01	-.03	4.195	4.2925E+01	-.13	.725
4.7492E+01	.30	.932	4.5157E+01	-.06	1.606	4.2881E+01	-.18	.530
4.7399E+01	-.10	2.362	4.5112E+01	.02	4.519	4.2837E+01	-.14	.706
4.7353E+01	-.05	3.358	4.5067E+01	.18	.500	4.2793E+01	-.16	.549
4.7307E+01	.30	.680	4.5022E+01	.23	.391	4.2749E+01	-.29	.297
4.7260E+01	.45	.400	4.4976E+01	.17	.657	4.2705E+01	-.23	.452
4.7214E+01	.32	.469	4.4886E+01	-.01	8.073	4.2661E+01	.03	3.864
4.7168E+01	.15	.843	4.4841E+01	.09	.993	4.2617E+01	.19	.746
4.7122E+01	.01	8.180	4.4796E+01	.17	.756	4.2573E+01	.12	1.337
4.7076E+01	-.02	4.989	4.4751E+01	.05	2.798	4.2530E+01	.09	2.152
4.7029E+01	.05	2.053	4.4706E+01	-.10	1.178	4.2486E+01	-.04	4.493
4.6983E+01	.09	1.185	4.4661E+01	-.10	.935	4.2442E+01	-.27	.567
4.6937E+01	.02	7.381	4.4616E+01	-.06	1.846	4.2398E+01	-.30	.537
4.6891E+01	-.07	1.224	4.4526E+01	.48	.674	4.2354E+01	-.21	.792
4.6845E+01	-.06	1.428	4.4482E+01	.47	.511	4.2311E+01	-.12	1.397
4.6799E+01	.00	19.654	4.4437E+01	.31	.580	4.2267E+01	-.06	3.152
4.6753E+01	.06	2.314	4.4392E+01	.08	1.614	4.2223E+01	-.08	2.082
4.6661E+01	.02	5.638	4.4347E+01	-.08	1.680	4.2179E+01	-.15	.854
4.6615E+01	.02	4.498	4.4302E+01	-.17	.728	4.2136E+01	-.18	.573
4.6569E+01	-.03	3.897	4.4258E+01	-.23	.555	4.2092E+01	-.14	.543
4.6523E+01	-.04	2.073	4.4168E+01	-.01	19.344	4.2048E+01	-.10	.604
4.6477E+01	.01	6.369	4.4123E+01	.01	12.361	4.2005E+01	-.09	.827

E(EV)	S(B)	OS/S	E(EV)	S(B)	DS/S	E(EV)	S(B)	DS/S
4.1961E+01	-.09	.803	3.9981E+01	.11	1.232	3.8048E+01	-.05	1.794
4.1918E+01	-.11	.980	3.9938E+01	.07	1.803	3.8006E+01	-.05	1.730
4.1874E+01	-.07	1.492	3.9896E+01	-.08	1.201	3.7965E+01	.01	7.611
4.1831E+01	-.02	4.608	3.9853E+01	-.10	.889	3.7924E+01	.10	.801
4.1787E+01	-.01	6.947	3.9811E+01	-.07	1.518	3.7882E+01	.11	.874
4.1744E+01	-.01	13.626	3.9768E+01	-.07	1.467	3.7841E+01	.05	1.840
4.1700E+01	.02	2.933	3.9726E+01	-.10	.828	3.7799E+01	.02	4.285
4.1657E+01	.07	1.265	3.9683E+01	-.19	.375	3.7758E+01	.02	3.633
4.1613E+01	.07	1.324	3.9641E+01	-.29	.286	3.7717E+01	.11	.696
4.1570E+01	-.02	5.573	3.9599E+01	-.30	.316	3.7675E+01	.32	.309
4.1526E+01	-.09	.832	3.9556E+01	-.21	.460	3.7634E+01	.46	.254
4.1483E+01	-.11	.660	3.9514E+01	-.07	1.394	3.7593E+01	.38	.276
4.1440E+01	-.10	.751	3.9472E+01	.03	3.718	3.7552E+01	.20	.444
4.1397E+01	-.05	1.513	3.9430E+01	.06	1.809	3.7510E+01	.08	1.313
4.1353E+01	-.02	5.626	3.9387E+01	.11	1.111	3.7469E+01	-.01	11.633
4.1310E+01	.01	13.203	3.9345E+01	.19	.866	3.7428E+01	-.10	.782
4.1267E+01	.03	2.723	3.9303E+01	.14	1.038	3.7387E+01	-.12	.534
4.1224E+01	.06	1.563	3.9261E+01	.01	11.572	3.7346E+01	-.05	1.696
4.1180E+01	.06	1.913	3.9219E+01	-.06	1.232	3.7305E+01	.05	2.778
4.1137E+01	.06	1.908	3.9177E+01	-.11	.703	3.7264E+01	.02	5.294
4.1094E+01	.11	1.050	3.9134E+01	-.09	.865	3.7223E+01	-.03	3.541
4.1051E+01	.17	.753	3.9092E+01	-.08	.923	3.7181E+01	.04	2.158
4.1008E+01	.17	.788	3.9050E+01	-.10	.638	3.7140E+01	.08	.870
4.0965E+01	.00	43.163	3.9008E+01	-.07	.876	3.7100E+01	.04	1.813
4.0922E+01	-.17	.748	3.8966E+01	-.01	4.514	3.7059E+01	.01	7.650
4.0879E+01	-.10	1.352	3.8924E+01	.04	2.550	3.7018E+01	.02	4.058
4.0836E+01	-.08	1.881	3.8882E+01	.01	15.669	3.6977E+01	.05	2.017
4.0793E+01	-.36	.484	3.8840E+01	-.02	3.153	3.6936E+01	.04	2.585
4.0750E+01	-.45	.594	3.8799E+01	.00	90.108	3.6895E+01	.07	1.301
4.0707E+01	-.22	1.352	3.8757E+01	-.05	1.499	3.6854E+01	.10	1.050
4.0664E+01	-.08	3.053	3.8715E+01	-.11	.497	3.6813E+01	.08	1.248
4.0621E+01	-.10	2.230	3.8673E+01	-.11	.538	3.6773E+01	.19	.393
4.0578E+01	-.12	2.124	3.8631E+01	-.07	1.176	3.6732E+01	.53	.203
4.0535E+01	-.09	2.679	3.8589E+01	-.04	2.234	3.6691E+01	.81	.176
4.0493E+01	-.07	3.230	3.8547E+01	-.04	1.372	3.6650E+01	.90	.232
4.0450E+01	.05	4.065	3.8506E+01	-.06	.959	3.6569E+01	.72	.190
4.0407E+01	.02	11.487	3.8464E+01	-.05	1.304	3.6528E+01	.74	.219
4.0364E+01	-.23	.814	3.8422E+01	-.02	3.101	3.6487E+01	.66	.316
4.0322E+01	-.29	.681	3.8381E+01	.01	9.144	3.6406E+01	.02	8.655
4.0279E+01	-.24	.703	3.8339E+01	.03	2.856	3.6366E+01	.10	2.594
4.0236E+01	-.23	.640	3.8297E+01	-.01	10.285	3.6325E+01	.01	34.928
4.0194E+01	-.22	.664	3.8256E+01	-.06	1.223	3.6285E+01	-.16	1.529
4.0151E+01	-.23	.780	3.8214E+01	-.03	2.832	3.6244E+01	-.17	1.568
4.0108E+01	-.25	.659	3.8172E+01	-.03	2.171	3.6204E+01	-.08	3.791
4.0066E+01	-.25	.433	3.8131E+01	-.08	.699	3.6163E+01	-.11	2.447
4.0023E+01	-.08	1.385	3.8089E+01	-.06	1.087	3.6123E+01	-.30	.831

E(EV)	S(B)	DS/S	E(EV)	S(B)	DS/S	E(EV)	S(B)	DS/S
3.6082E+01	-.14	1.403	3.4247E+01	.02	7.495	3.2460E+01	-.05	2.523
3.6042E+01	.26	.764	3.4208E+01	.05	2.548	3.2422E+01	-.09	1.043
3.6002E+01	.35	.552	3.4169E+01	.01	22.107	3.2384E+01	-.11	1.089
3.5961E+01	.05	3.592	3.4129E+01	.03	4.100	3.2345E+01	-.01	20.627
3.5921E+01	-.18	.869	3.4090E+01	.08	1.611	3.2307E+01	-.00	243.074
3.5880E+01	-.30	.448	3.4051E+01	-.05	2.375	3.2269E+01	-.08	1.269
3.5840E+01	-.36	.355	3.4012E+01	-.18	.550	3.2231E+01	-.04	3.027
3.5800E+01	-.20	.689	3.3972E+01	-.17	.672	3.2193E+01	.14	.750
3.5760E+01	-.01	20.370	3.3933E+01	.08	1.839	3.2154E+01	.32	.387
3.5719E+01	.04	3.223	3.3894E+01	.39	.410	3.2116E+01	.41	.363
3.5679E+01	-.02	6.419	3.3855E+01	.41	.342	3.2078E+01	.39	.377
3.5639E+01	-.13	1.078	3.3816E+01	.15	.721	3.2040E+01	.20	.583
3.5599E+01	-.18	.745	3.3776E+01	.00	37.821	3.2002E+01	-.04	3.393
3.5559E+01	-.19	.637	3.3737E+01	.09	1.474	3.1964E+01	-.11	1.028
3.5519E+01	-.18	.603	3.3698E+01	.15	.938	3.1926E+01	-.08	1.364
3.5479E+01	-.21	.514	3.3659E+01	.04	2.669	3.1888E+01	-.09	1.208
3.5439E+01	-.28	.373	3.3620E+01	.07	1.752	3.1850E+01	-.19	.766
3.5399E+01	-.26	.456	3.3581E+01	.16	.856	3.1812E+01	-.25	.582
3.5359E+01	-.16	.767	3.3542E+01	.11	1.352	3.1774E+01	-.20	.562
3.5319E+01	-.12	1.047	3.3503E+01	.04	3.465	3.1736E+01	-.06	2.278
3.5279E+01	-.19	.662	3.3465E+01	-.00	23.202	3.1698E+01	.08	1.737
3.5239E+01	-.19	.769	3.3426E+01	.05	2.503	3.1660E+01	.04	3.241
3.5199E+01	.10	1.865	3.3387E+01	.17	.961	3.1622E+01	-.15	.922
3.5159E+01	.31	.689	3.3348E+01	.13	1.142	3.1585E+01	-.24	.529
3.5119E+01	.31	.860	3.3309E+01	-.01	9.941	3.1547E+01	-.18	.549
3.5079E+01	.96	.408	3.3270E+01	-.08	1.245	3.1509E+01	-.07	1.690
3.5039E+01	2.50	.213	3.3231E+01	-.07	1.728	3.1471E+01	.04	3.419
3.4999E+01	2.93	.189	3.3193E+01	.09	1.679	3.1434E+01	.12	1.120
3.4960E+01	1.86	.296	3.3154E+01	.13	1.056	3.1396E+01	.17	.782
3.4920E+01	1.14	.479	3.3115E+01	.03	4.394	3.1358E+01	.16	.812
3.4880E+01	.77	.584	3.3076E+01	-.08	1.928	3.1321E+01	.12	1.052
3.4840E+01	.15	2.496	3.3038E+01	-.15	1.019	3.1283E+01	.14	.901
3.4801E+01	-.01	22.386	3.2999E+01	-.14	.729	3.1245E+01	.11	1.017
3.4761E+01	.06	3.713	3.2960E+01	-.07	1.723	3.1208E+01	.01	9.214
3.4721E+01	-.08	2.233	3.2922E+01	-.03	4.246	3.1170E+01	.03	4.181
3.4682E+01	-.12	1.162	3.2883E+01	-.07	1.595	3.1133E+01	.09	1.603
3.4642E+01	-.22	.558	3.2845E+01	-.07	1.293	3.1095E+01	.02	7.109
3.4603E+01	-.30	.387	3.2806E+01	.01	10.535	3.1058E+01	-.01	13.025
3.4563E+01	-.21	.590	3.2768E+01	.02	4.737	3.1020E+01	.03	4.329
3.4524E+01	.08	2.243	3.2729E+01	-.02	5.656	3.0983E+01	.04	2.835
3.4484E+01	.05	3.738	3.2691E+01	-.02	4.321	3.0945E+01	.07	2.027
3.4444E+01	-.10	1.302	3.2652E+01	.02	5.054	3.0908E+01	.11	1.385
3.4405E+01	.06	2.143	3.2614E+01	.04	3.200	3.0870E+01	.13	.907
3.4366E+01	.24	.632	3.2575E+01	-.01	9.951	3.0833E+01	.21	.702
3.4326E+01	.27	.672	3.2537E+01	-.06	1.915	3.0796E+01	.15	.950
3.4287E+01	.11	1.435	3.2499E+01	-.05	2.417	3.0758E+01	.03	4.583

E(EV)	S(B)	OS/S	E(EV)	S(B)	OS/S	E(EV)	S(B)	DS/S
3.0721E+01	-.03	3.910	2.9030E+01	-.37	.525	2.7386E+01	.28	.688
3.0684E+01	-.09	1.344	2.8994E+01	-.24	.820	2.7351E+01	.30	.663
3.0646E+01	-.14	.870	2.8957E+01	-.12	1.376	2.7316E+01	.40	.668
3.0609E+01	-.13	.959	2.8921E+01	-.04	4.125	2.7281E+01	.43	.659
3.0572E+01	-.21	.558	2.8885E+01	.11	1.469	2.7246E+01	.41	.363
3.0535E+01	-.34	.347	2.8849E+01	.24	.805	2.7211E+01	.50	.313
3.0498E+01	-.33	.334	2.8813E+01	.15	1.187	2.7175E+01	.64	.305
3.0461E+01	-.24	.394	2.8777E+01	.01	11.128	2.7140E+01	1.05	.193
3.0423E+01	-.20	.472	2.8740E+01	.00	68.897	2.7105E+01	2.14	.110
3.0386E+01	-.21	.477	2.8704E+01	.01	9.950	2.7070E+01	3.92	.097
3.0349E+01	-.11	1.044	2.8668E+01	.06	2.636	2.7035E+01	6.02	.092
3.0312E+01	.03	4.698	2.8632E+01	.14	1.106	2.7000E+01	8.77	.084
3.0275E+01	.02	5.883	2.8596E+01	.18	.757	2.6965E+01	12.24	.075
3.0238E+01	.08	1.650	2.8560E+01	.22	.768	2.6931E+01	15.65	.071
3.0201E+01	.10	1.563	2.8524E+01	.18	1.060	2.6896E+01	18.34	.071
3.0164E+01	-.01	11.729	2.8489E+01	.04	3.244	2.6861E+01	20.29	.079
3.0127E+01	.02	9.659	2.8453E+01	-.01	27.014	2.6826E+01	19.46	.085
3.0090E+01	.03	4.916	2.8417E+01	.01	14.828	2.6791E+01	14.61	.078
3.0053E+01	-.15	.894	2.8381E+01	.08	1.614	2.6756E+01	9.83	.088
3.0017E+01	-.33	.376	2.8345E+01	.20	.738	2.6721E+01	6.62	.086
2.9980E+01	-.27	.505	2.8309E+01	.21	.668	2.6687E+01	4.21	.117
2.9943E+01	-.17	.838	2.8274E+01	.11	1.217	2.6652E+01	2.58	.187
2.9906E+01	-.23	.716	2.8238E+01	.05	2.005	2.6617E+01	1.43	.277
2.9869E+01	-.25	.680	2.8202E+01	.07	1.969	2.6582E+01	.84	.284
2.9833E+01	-.05	3.452	2.8166E+01	.08	1.640	2.6548E+01	.66	.486
2.9796E+01	.42	.510	2.8131E+01	.12	1.187	2.6513E+01	.73	.503
2.9759E+01	.88	.348	2.8095E+01	.17	.947	2.6479E+01	.89	.339
2.9722E+01	.69	.489	2.8059E+01	.23	.740	2.6444E+01	.86	.328
2.9686E+01	.06	4.829	2.8024E+01	.26	.669	2.6409E+01	.65	.296
2.9649E+01	-.25	1.242	2.7988E+01	.25	.636	2.6375E+01	.44	.489
2.9613E+01	-.57	.622	2.7952E+01	.30	.617	2.6340E+01	.23	.857
2.9576E+01	-.72	.520	2.7917E+01	.28	.739	2.6306E+01	.19	.860
2.9539E+01	-.55	.557	2.7881E+01	.21	.797	2.6271E+01	.29	.765
2.9503E+01	-.45	.668	2.7846E+01	.23	.899	2.6237E+01	.30	.787
2.9466E+01	-.07	5.746	2.7810E+01	.08	2.126	2.6202E+01	.31	.672
2.9430E+01	.14	3.277	2.7775E+01	-.06	2.476	2.6168E+01	.42	.616
2.9393E+01	-.35	1.222	2.7740E+01	.10	1.932	2.6133E+01	.41	.635
2.9357E+01	-1.04	.251	2.7704E+01	.47	.487	2.6099E+01	.42	.430
2.9320E+01	-1.15	.224	2.7669E+01	.61	.354	2.6065E+01	.58	.540
2.9284E+01	-.64	.422	2.7633E+01	.47	.444	2.6030E+01	.51	.712
2.9248E+01	-.16	1.670	2.7598E+01	.53	.416	2.5996E+01	.37	.625
2.9211E+01	.07	4.099	2.7563E+01	.71	.379	2.5962E+01	.43	.609
2.9175E+01	.27	1.002	2.7527E+01	.54	.500	2.5928E+01	.43	.675
2.9139E+01	.14	1.711	2.7492E+01	.11	1.751	2.5893E+01	.37	.865
2.9102E+01	-.19	1.229	2.7457E+01	-.01	19.402	2.5859E+01	.39	.887
2.9066E+01	-.40	.481	2.7422E+01	.17	1.036	2.5825E+01	.43	.432

E(EV)	S(B)	DS/S	E(EV)	S(B)	DS/S	E(EV)	S(B)	DS/S
2.5791E+01	.43	.514	2.4243E+01	.70	.590	2.2743E+01	-1.39	.406
2.5756E+01	.29	.796	2.4210E+01	.45	.896	2.2711E+01	-.56	.917
2.5722E+01	.17	1.197	2.4177E+01	.31	1.104	2.2679E+01	.06	9.645
2.5688E+01	.22	.887	2.4144E+01	.32	1.029	2.2647E+01	.24	1.957
2.5654E+01	.26	.787	2.4111E+01	.30	1.040	2.2615E+01	.33	1.382
2.5620E+01	.20	1.021	2.4078E+01	.07	4.244	2.2583E+01	.41	1.204
2.5586E+01	.17	1.163	2.4045E+01	-.09	3.356	2.2551E+01	.24	1.622
2.5552E+01	.27	.743	2.4012E+01	-.10	3.073	2.2519E+01	-.03	11.476
2.5518E+01	.40	.538	2.3979E+01	-.00	72.716	2.2487E+01	-.15	2.734
2.5484E+01	.39	.471	2.3946E+01	.40	1.006	2.2455E+01	-.28	1.388
2.5450E+01	.30	.581	2.3913E+01	.56	.713	2.2423E+01	-.44	.944
2.5416E+01	.28	.787	2.3880E+01	.22	1.503	2.2391E+01	-.55	.831
2.5382E+01	.31	.792	2.3847E+01	.05	6.313	2.2360E+01	-.35	1.267
2.5348E+01	.31	.786	2.3814E+01	.01	23.928	2.2328E+01	.20	2.609
2.5314E+01	.24	.879	2.3781E+01	-.11	3.187	2.2296E+01	.40	1.609
2.5281E+01	.18	1.168	2.3749E+01	-.11	2.831	2.2264E+01	-.11	4.484
2.5247E+01	.17	1.311	2.3716E+01	.05	7.302	2.2233E+01	-.28	1.639
2.5213E+01	.24	.825	2.3683E+01	.31	1.465	2.2201E+01	.29	2.027
2.5179E+01	.22	.960	2.3650E+01	.43	.806	2.2169E+01	.77	.998
2.5146E+01	.14	1.913	2.3618E+01	.34	1.130	2.2138E+01	.86	.812
2.5112E+01	.21	1.501	2.3585E+01	.17	1.993	2.2106E+01	.91	.839
2.5078E+01	.27	1.201	2.3552E+01	.18	1.827	2.2074E+01	1.14	.767
2.5044E+01	.36	.933	2.3520E+01	.37	.996	2.2043E+01	1.38	.456
2.5011E+01	.37	1.081	2.3487E+01	.50	.893	2.2011E+01	1.51	.472
2.4977E+01	.37	1.215	2.3454E+01	.39	.939	2.1980E+01	1.12	.551
2.4943E+01	.29	1.824	2.3422E+01	.26	1.494	2.1948E+01	.49	1.073
2.4910E+01	-.06	8.653	2.3389E+01	.05	7.025	2.1917E+01	.06	8.910
2.4876E+01	-.48	.991	2.3357E+01	-.08	3.971	2.1885E+01	.00	999.000
2.4843E+01	-.56	.970	2.3324E+01	-.01	35.526	2.1854E+01	.02	34.215
2.4809E+01	.03	20.279	2.3292E+01	.15	2.447	2.1822E+01	.50	1.324
2.4776E+01	-.06	9.282	2.3259E+01	.23	1.576	2.1791E+01	1.09	.633
2.4742E+01	-.24	1.810	2.3227E+01	.12	2.987	2.1759E+01	1.48	.481
2.4709E+01	.25	1.654	2.3194E+01	-.09	4.567	2.1728E+01	1.00	.845
2.4676E+01	.74	.573	2.3162E+01	-.20	1.677	2.1697E+01	-.48	1.301
2.4642E+01	.88	.479	2.3130E+01	-.03	16.825	2.1665E+01	-.59	1.089
2.4609E+01	.68	.593	2.3097E+01	.03	18.920	2.1634E+01	.46	1.663
2.4575E+01	.24	1.392	2.3065E+01	-.20	1.351	2.1603E+01	.51	1.632
2.4542E+01	.09	3.118	2.3033E+01	-.18	1.869	2.1571E+01	-.00	618.512
2.4509E+01	.41	.773	2.3000E+01	-.09	4.317	2.1540E+01	.31	2.424
2.4475E+01	.76	.445	2.2968E+01	.11	4.568	2.1509E+01	.46	1.785
2.4442E+01	.58	.602	2.2936E+01	.11	5.216	2.1478E+01	.33	2.976
2.4409E+01	.30	1.195	2.2904E+01	-.53	.997	2.1447E+01	.27	3.981
2.4376E+01	.59	.558	2.2872E+01	-1.49	.396	2.1415E+01	-.31	3.057
2.4342E+01	.96	.391	2.2839E+01	-1.81	.345	2.1384E+01	-.47	1.960
2.4309E+01	.80	.397	2.2807E+01	-1.54	.385	2.1353E+01	-.07	16.144
2.4276E+01	.72	.466	2.2775E+01	-1.67	.317	2.1322E+01	-.13	5.537

E(EV)	S(8)	DS/S	E(EV)	S(8)	DS/S	E(EV)	S(8)	DS/S
2.1291E+01	-.19	4.084	2.0828E+01	1.02	.768	2.0370E+01	1.65	.725
2.1260E+01	.09	8.958	2.0797E+01	1.46	.519	2.0340E+01	1.39	.947
2.1229E+01	.34	3.002	2.0767E+01	1.37	.640	2.0309E+01	.19	4.156
2.1198E+01	.19	5.480	2.0736E+01	.93	1.138	2.0279E+01	.11	8.689
2.1167E+01	.13	4.679	2.0705E+01	.63	1.356	2.0249E+01	.28	3.509
2.1136E+01	.67	1.042	2.0675E+01	.20	5.052	2.0218E+01	.42	2.053
2.1105E+01	.52	1.399	2.0644E+01	-.19	6.025	2.0188E+01	.59	1.675
2.1074E+01	.04	14.977	2.0614E+01	-.28	2.291	2.0158E+01	.77	1.555
2.1043E+01	.03	23.319	2.0583E+01	-.12	5.527	2.0128E+01	.73	1.390
2.1013E+01	.30	2.833	2.0553E+01	.10	8.257	2.0098E+01	.54	1.541
2.0982E+01	.67	1.258	2.0522E+01	.25	3.275	2.0067E+01	.58	1.553
2.0951E+01	1.13	.821	2.0492E+01	.38	2.047	2.0037E+01	.88	1.528
2.0920E+01	1.27	.673	2.0461E+01	.42	1.961	2.0007E+01	1.13	1.284
2.0889E+01	.99	.901	2.0431E+01	.47	1.955	1.9977E+01	1.21	1.917
2.0859E+01	.81	1.046	2.0400E+01	.84	1.192	0.	0.00	0.000

APPENDIX VI

CAPTURE CROSS SECTION OF 244CM

E(EV)	S(B)	DS/S	E(EV)	S(B)	DS/S	E(EV)	S(B)	DS/S
9.9506E+03	1.47	.889	5.9211E+03	5.61	.886	3.9229E+03	3.24	.783
9.8284E+03	1.59	.997	5.8556E+03	-1.51	2.789	3.8876E+03	2.75	1.036
9.6887E+03	2.06	.922	5.8004E+03	2.73	1.101	3.8576E+03	2.17	1.285
9.5520E+03	1.85	.955	5.7369E+03	3.38	.699	3.8231E+03	.06	61.013
9.4370E+03	1.05	1.774	5.6744E+03	5.61	.739	3.7891E+03	-.55	4.978
9.3056E+03	1.46	1.188	5.6217E+03	4.67	.571	3.7603E+03	-.67	5.239
9.1768E+03	1.77	1.110	5.5611E+03	3.96	.584	3.7271E+03	.90	2.912
9.0507E+03	2.00	1.167	5.5015E+03	2.27	1.012	3.6944E+03	1.41	1.968
8.9447E+03	2.82	.755	5.4512E+03	1.43	1.490	3.6667E+03	1.47	1.754
8.8233E+03	2.03	1.053	5.3933E+03	1.27	1.825	3.6347E+03	.88	2.990
8.7044E+03	1.39	1.337	5.3364E+03	3.12	.766	3.6032E+03	2.14	1.397
8.6044E+03	.33	7.975	5.2883E+03	2.64	.860	3.5765E+03	2.66	1.136
8.4899E+03	1.08	1.935	5.2330E+03	2.17	1.097	3.5457E+03	.43	5.816
8.3777E+03	.85	2.304	5.1786E+03	3.27	.804	3.5153E+03	.84	3.712
8.2832E+03	1.13	1.916	5.1326E+03	3.96	.559	3.4853E+03	.54	5.190
8.1750E+03	.86	2.230	5.0797E+03	6.28	.460	3.4599E+03	.66	4.835
8.0690E+03	.44	4.412	5.0277E+03	2.99	.872	3.4306E+03	2.22	1.129
7.9797E+03	.11	18.535	4.9837E+03	2.13	1.200	3.4016E+03	2.23	1.155
7.8774E+03	-.20	13.734	4.9331E+03	2.77	.838	3.3771E+03	1.64	1.861
7.7770E+03	1.02	2.231	4.8833E+03	2.28	1.236	3.3489E+03	1.22	2.440
7.6925E+03	.80	2.568	4.8412E+03	3.07	.772	3.3210E+03	2.81	.913
7.5956E+03	1.20	1.606	4.7927E+03	4.02	.642	3.2974E+03	1.55	2.047
7.5006E+03	.95	1.827	4.7450E+03	3.45	.649	3.2701E+03	1.88	1.569
7.4206E+03	1.12	1.818	4.7047E+03	3.19	.722	3.2432E+03	2.68	1.103
7.3288E+03	1.45	1.340	4.6583E+03	5.82	.594	3.2204E+03	3.46	.938
7.2387E+03	.95	2.275	4.6125E+03	3.12	.847	3.1941E+03	3.27	.934
7.1628E+03	2.57	.692	4.5675E+03	3.98	.590	3.1681E+03	3.15	.953
7.0757E+03	2.28	.833	4.5294E+03	5.21	.549	3.1460E+03	2.91	1.116
6.9903E+03	2.20	.832	4.4855E+03	5.51	.613	3.1206E+03	4.05	.742
6.9182E+03	2.13	1.031	4.4423E+03	4.46	.489	3.0955E+03	2.25	1.224
6.8356E+03	3.24	.669	4.4058E+03	4.44	.508	3.0743E+03	4.69	.720
6.7544E+03	2.89	.719	4.3637E+03	2.97	.962	3.0497E+03	2.36	1.163
6.6860E+03	1.50	1.558	4.3223E+03	2.29	1.117	3.0255E+03	1.73	2.052
6.6075E+03	3.57	.536	4.2872E+03	3.49	.717	3.0049E+03	.71	4.208
6.5303E+03	3.74	.503	4.2468E+03	3.85	.605	2.9812E+03	3.48	.990
6.4653E+03	1.94	1.142	4.2070E+03	4.38	.531	2.9577E+03	8.09	.849
6.3906E+03	2.63	.836	4.1733E+03	2.90	.867	2.9379E+03	2.86	1.037
6.3172E+03	2.43	.979	4.1345E+03	2.68	1.086	2.9149E+03	4.17	.663
6.2451E+03	3.82	.750	4.0963E+03	3.35	.762	2.8923E+03	4.46	.769
6.1842E+03	5.48	.607	4.0639E+03	2.59	.892	2.8731E+03	4.20	.703
6.1143E+03	3.18	.809	4.0266E+03	2.59	.941	2.8509E+03	5.15	.878
6.0456E+03	3.44	.822	3.9899E+03	2.90	.952	2.8290E+03	3.83	.936
5.9877E+03	5.09	1.128	3.9587E+03	2.84	1.190	2.8073E+03	4.95	.648

E(EV)	S(B)	DS/S	E(EV)	S(8)	OS/S	E(EV)	S(8)	DS/S
2.7889E+03	5.15	.614	2.0453E+03	1.61	1.975	1.5613E+03	6.06	.665
2.7677E+03	3.84	.812	2.0319E+03	2.95	.909	1.5524E+03	6.21	.765
2.7467E+03	9.77	.384	2.0187E+03	1.80	1.920	1.5448E+03	6.03	1.203
2.7289E+03	6.08	.565	2.0075E+03	4.23	.773	1.5361E+03	8.18	1.020
2.7084E+03	3.21	1.199	1.9946E+03	3.35	1.873	1.5274E+03	4.22	1.102
2.6881E+03	3.53	1.010	1.9817E+03	2.96	1.675	1.5200E+03	5.83	1.025
2.6709E+03	3.13	1.029	1.9708E+03	5.85	.612	1.5115E+03	4.13	.753
2.6510E+03	3.06	1.231	1.9582E+03	3.92	.981	1.5030E+03	8.26	.375
2.6314E+03	3.78	1.000	1.9457E+03	3.59	1.662	1.4958E+03	10.34	.663
2.6147E+03	5.70	.739	1.9351E+03	7.16	.896	1.4875E+03	11.65	.537
2.5954E+03	4.32	.742	1.9228E+03	6.69	1.005	1.4792E+03	9.05	.625
2.5764E+03	2.18	1.444	1.9090E+03	5.24	1.398	1.4722E+03	7.05	.698
2.5602E+03	1.89	1.888	1.8969E+03	3.53	1.333	1.4640E+03	6.34	1.000
2.5415E+03	2.52	1.847	1.8850E+03	3.76	.795	1.4559E+03	9.18	.679
2.5231E+03	2.73	1.446	1.8749E+03	2.62	1.414	1.4491E+03	8.60	.489
2.5074E+03	3.90	.919	1.8632E+03	5.70	.461	1.4411E+03	13.70	.665
2.4893E+03	4.73	.719	1.8516E+03	6.98	.513	1.4332E+03	14.38	.884
2.4714E+03	4.93	.689	1.8418E+03	6.81	.856	1.4265E+03	13.75	1.105
2.4563E+03	7.58	.531	1.8304E+03	3.99	.802	1.4187E+03	8.88	.648
2.4387E+03	4.35	.735	1.8191E+03	7.84	.678	1.4111E+03	13.97	.724
2.4214E+03	2.00	1.740	1.8095E+03	8.14	.979	1.4034E+03	19.65	.496
2.4066E+03	3.90	1.004	1.7984E+03	4.75	.841	1.3969E+03	19.36	.666
2.3896E+03	3.94	1.112	1.7874E+03	8.35	.709	1.3894E+03	14.92	.393
2.3728E+03	4.71	.874	1.7781E+03	5.61	.595	1.3819E+03	13.06	.207
2.3585E+03	4.13	.860	1.7673E+03	6.43	.899	1.3756E+03	8.32	.479
2.3420E+03	1.64	2.169	1.7566E+03	5.93	.895	1.3682E+03	9.53	.481
2.3257E+03	1.69	2.140	1.7475E+03	5.07	1.051	1.3609E+03	12.30	.285
2.3095E+03	3.63	1.021	1.7369E+03	5.63	1.235	1.3547E+03	24.78	.133
2.2958E+03	4.98	.697	1.7265E+03	8.59	.789	1.3475E+03	14.02	.262
2.2800E+03	4.62	.837	1.7176E+03	8.42	1.431	1.3404E+03	13.87	.260
2.2643E+03	10.23	.366	1.7074E+03	7.07	.879	1.3343E+03	8.81	.393
2.2510E+03	11.99	.455	1.6972E+03	3.67	1.577	1.3273E+03	12.38	.423
2.2356E+03	9.10	.370	1.6886E+03	5.51	.888	1.3203E+03	11.33	.469
2.2204E+03	9.54	.416	1.6785E+03	5.58	1.093	1.3144E+03	11.88	.354
2.2074E+03	4.48	1.034	1.6686E+03	7.70	.399	1.3075E+03	13.56	.267
2.1925E+03	3.37	1.149	1.6602E+03	5.92	.662	1.3007E+03	14.90	.245
2.1777E+03	4.03	.997	1.6504E+03	7.80	.426	1.2949E+03	10.35	.362
2.1651E+03	5.06	.774	1.6408E+03	8.35	.357	1.2882E+03	15.06	.574
2.1506E+03	2.92	1.220	1.6312E+03	6.78	.476	1.2815E+03	11.73	.562
2.1362E+03	2.00	1.680	1.6231E+03	9.18	.534	1.2758E+03	14.93	.367
2.1240E+03	2.20	1.730	1.6136E+03	4.03	.809	1.2692E+03	13.86	.551
2.1099E+03	5.70	.686	1.6043E+03	2.41	1.305	1.2627E+03	6.89	.532
2.0959E+03	3.19	1.163	1.5963E+03	4.26	.777	1.2572E+03	8.06	.413
2.0841E+03	3.60	.991	1.5871E+03	8.04	.455	1.2507E+03	11.04	.311
2.0704E+03	2.14	2.026	1.5780E+03	6.10	.495	1.2444E+03	7.74	.620
2.0568E+03	1.61	2.157	1.5703E+03	9.74	.320	1.2389E+03	7.97	.465

E(EV)	S(8)	OS/S	E(EV)	S(8)	DS/S	E(EV)	S(8)	OS/S
1.2327E+03	11.46	.463	1.0011E+03	7.62	.709	9.6172E+02	1.29	3.257
1.2264E+03	13.93	.216	1.0005E+03	3.00	1.302	9.6110E+02	3.67	1.481
1.2202E+03	11.21	.344	9.9916E+02	1.60	2.502	9.6049E+02	2.27	2.116
1.2149E+03	15.03	.276	9.9851E+02	2.07	2.100	9.5926E+02	5.96	.768
1.2088E+03	11.64	.255	9.9786E+02	4.08	.917	9.5865E+02	3.23	1.577
1.2028E+03	13.35	.279	9.9655E+02	2.91	1.422	9.5803E+02	6.48	.667
1.1976E+03	13.81	.332	9.9590E+02	2.60	1.713	9.5681E+02	5.89	1.056
1.1916E+03	15.77	.309	9.9526E+02	3.95	1.103	9.5619E+02	4.17	1.082
1.1857E+03	9.17	.396	9.9396E+02	4.33	1.014	9.5558E+02	2.52	1.592
1.1807E+03	16.07	.417	9.9331E+02	4.33	1.064	9.5436E+02	7.17	1.046
1.1748E+03	14.77	.327	9.9266E+02	5.17	1.464	9.5375E+02	5.19	.896
1.1690E+03	20.57	.388	9.9137E+02	5.39	2.025	9.5315E+02	4.44	1.607
1.1641E+03	15.83	.472	9.9073E+02	4.69	1.129	9.5193E+02	-.46	8.637
1.1583E+03	10.30	.503	9.9008E+02	3.48	1.180	9.5132E+02	-.20	21.623
1.1526E+03	9.00	.354	9.8879E+02	15.86	.535	9.5072E+02	4.11	1.095
1.1478E+03	17.45	.399	9.8815E+02	13.67	.593	9.4951E+02	15.31	.284
1.1422E+03	7.53	.863	9.8751E+02	11.97	.534	9.4890E+02	14.91	.337
1.1366E+03	6.03	.758	9.8623E+02	4.56	1.256	9.4830E+02	13.17	.452
1.1319E+03	5.47	.841	9.8559E+02	5.45	1.151	9.4709E+02	7.99	.630
1.1264E+03	8.62	.400	9.8495E+02	7.33	.557	9.4649E+02	6.98	.699
1.1209E+03	8.15	.595	9.8367E+02	10.22	.502	9.4589E+02	2.97	1.535
1.1163E+03	7.34	.707	9.8303E+02	12.84	.431	9.4469E+02	2.16	1.894
1.1109E+03	3.09	1.408	9.8240E+02	9.71	.402	9.4408E+02	3.39	1.294
1.1056E+03	3.44	1.782	9.8112E+02	10.40	.486	9.4349E+02	1.52	2.805
1.1010E+03	6.97	.932	9.8049E+02	12.10	.501	9.4229E+02	1.48	3.307
1.0958E+03	5.61	2.642	9.7985E+02	13.62	.343	9.4169E+02	1.33	3.728
1.0905E+03	18.70	.747	9.7859E+02	5.16	.969	9.4109E+02	-.33	13.776
1.0853E+03	9.01	1.186	9.7796E+02	-3.46	1.163	9.3990E+02	-.34	12.822
1.0809E+03	6.87	.866	9.7732E+02	-4.46	.811	9.3931E+02	.89	5.116
1.0758E+03	10.48	.715	9.7606E+02	2.38	2.138	9.3871E+02	1.89	2.347
1.0707E+03	7.62	.902	9.7543E+02	6.00	.702	9.3752E+02	.00	999.000
1.0664E+03	9.42	1.401	9.7480E+02	8.82	.404	9.3693E+02	.59	7.769
1.0613E+03	5.13	.906	9.7354E+02	28.37	.231	9.3634E+02	1.44	3.034
1.0564E+03	7.54	.541	9.7292E+02	37.08	.199	9.3515E+02	-3.70	1.168
1.0521E+03	5.39	.790	9.7229E+02	32.17	.189	9.3456E+02	-1.29	3.920
1.0472E+03	2.57	1.578	9.7104E+02	15.05	.374	9.3397E+02	-1.18	3.745
1.0423E+03	4.44	1.311	9.7041E+02	4.60	1.008	9.3279E+02	6.49	.723
1.0381E+03	1.44	2.105	9.6916E+02	7.11	.671	9.3220E+02	3.79	1.205
1.0333E+03	4.33	.955	9.6854E+02	5.79	1.214	9.3162E+02	-4.65	2.377
1.0285E+03	1.00	5.685	9.6792E+02	4.92	1.113	9.3044E+02	-7.25	.672
1.0244E+03	5.79	1.023	9.6667E+02	4.07	.954	9.2985E+02	2.23	1.931
1.0197E+03	1.87	2.280	9.6605E+02	3.99	1.144	9.2927E+02	4.11	1.049
1.0150E+03	1.93	3.486	9.6543E+02	.47	10.582	9.2810E+02	9.13	.497
1.0110E+03	3.91	.932	9.6419E+02	-.72	6.036	9.2751E+02	8.78	.513
1.0064E+03	4.84	.701	9.6357E+02	-3.44	1.596	9.2693E+02	-1.86	2.399
1.0018E+03	6.36	.543	9.6296E+02	-3.99	1.309	9.2576E+02	10.51	.444

E(EV)	S(B)	DS/S	E(EV)	S(B)	DS/S	E(EV)	S(B)	DS/S
9.2518E+02	10.77	.484	8.9069E+02	7.03	.791	8.5757E+02	11.84	.494
9.2460E+02	8.58	.550	8.8959E+02	7.06	.950	8.5705E+02	7.52	.638
9.2344E+02	2.32	2.038	8.8904E+02	9.21	.523	8.5602E+02	14.44	.462
9.2286E+02	-.13	44.527	8.8849E+02	13.77	.278	8.5550E+02	17.26	.631
9.2228E+02	2.85	2.062	8.8740E+02	23.79	.229	8.5498E+02	15.03	.381
9.2112E+02	3.42	1.395	8.8685E+02	25.68	.295	8.5395E+02	8.31	.496
9.2055E+02	1.30	3.349	8.8631E+02	19.50	.251	8.5343E+02	7.20	.751
9.1997E+02	-1.68	3.738	8.8522E+02	19.93	.612	8.5292E+02	8.61	.570
9.1882E+02	-3.95	1.244	8.8467E+02	11.73	.472	8.5189E+02	6.51	.624
9.1824E+02	3.75	1.382	8.8413E+02	9.80	.406	8.5137E+02	6.10	.764
9.1767E+02	3.00	2.048	8.8304E+02	23.14	.276	8.5086E+02	9.48	.504
9.1652E+02	10.02	.503	8.8250E+02	17.53	.416	8.4984E+02	5.34	.953
9.1594E+02	13.54	.907	8.8196E+02	17.84	.349	8.4932E+02	4.50	1.049
9.1537E+02	16.10	.331	8.8088E+02	10.64	.515	8.4881E+02	5.21	.899
9.1423E+02	24.40	.290	8.8034E+02	6.01	1.014	8.4779E+02	14.00	.701
9.1365E+02	28.05	.517	8.7980E+02	7.95	.618	8.4728E+02	7.52	.735
9.1308E+02	19.47	.362	8.7872E+02	3.07	1.773	8.4677E+02	8.20	.688
9.1194E+02	16.01	.363	8.7818E+02	8.70	.853	8.4575E+02	5.61	.763
9.1138E+02	12.20	.415	8.7765E+02	7.95	.544	8.4525E+02	4.99	.985
9.1081E+02	11.93	.372	8.7657E+02	1.36	3.999	8.4474E+02	11.61	.419
9.0967E+02	8.27	.572	8.7603E+02	5.86	.854	8.4372E+02	20.85	.324
9.0910E+02	13.25	.477	8.7550E+02	7.83	.574	8.4322E+02	32.14	.181
9.0854E+02	9.26	.499	8.7443E+02	29.41	.199	8.4271E+02	26.84	.189
9.0741E+02	3.07	1.739	8.7390E+02	33.63	.176	8.4170E+02	16.98	.244
9.0684E+02	6.11	.844	8.7336E+02	22.43	.184	8.4120E+02	9.19	.525
9.0628E+02	6.81	.609	8.7229E+02	9.00	.656	8.4069E+02	2.50	2.565
9.0515E+02	19.82	.274	8.7176E+02	7.19	.801	8.3969E+02	10.85	.399
9.0459E+02	23.36	.313	8.7123E+02	5.47	.712	8.3918E+02	12.21	.398
9.0403E+02	28.58	.183	8.7017E+02	5.08	1.005	8.3868E+02	14.36	.545
9.0290E+02	28.89	.322	8.6964E+02	11.95	.564	8.3768E+02	5.99	.907
9.0234E+02	18.38	.306	8.6858E+02	10.38	.424	8.3718E+02	1.30	3.903
9.0178E+02	12.92	.307	8.6805E+02	6.77	.999	8.3668E+02	2.28	2.032
9.0066E+02	6.08	.815	8.6752E+02	13.89	.363	8.3568E+02	5.68	.773
9.0010E+02	6.91	.979	8.6647E+02	8.97	.472	8.3518E+02	3.76	1.276
8.9955E+02	5.89	.700	8.6594E+02	8.50	.599	8.3468E+02	.56	8.116
8.9843E+02	2.06	2.291	8.6541E+02	11.03	.602	8.3368E+02	.69	6.103
8.9788E+02	.80	5.578	8.6436E+02	7.94	.559	8.3319E+02	-.50	10.257
8.9732E+02	-.67	5.243	8.6383E+02	8.41	.843	8.3269E+02	5.01	.934
8.9621E+02	5.37	.865	8.6331E+02	5.68	.843	8.3169E+02	2.07	2.166
8.9566E+02	6.47	.742	8.6226E+02	7.27	.573	8.3120E+02	4.94	1.008
8.9510E+02	.75	4.957	8.6174E+02	9.76	.521	8.3070E+02	7.31	.616
8.9399E+02	7.91	.621	8.6122E+02	24.23	.230	8.2972E+02	5.45	1.235
8.9344E+02	14.40	.529	8.6017E+02	32.20	.191	8.2922E+02	7.62	.650
8.9289E+02	17.53	.394	8.5965E+02	22.13	.242	8.2873E+02	8.15	.635
8.9179E+02	9.88	.765	8.5913E+02	17.21	.443	8.2774E+02	18.83	.527
8.9124E+02	3.07	1.654	8.5809E+02	12.62	.373	8.2725E+02	22.90	.273

E(EV)	S(B)	DS/S	E(EV)	S(B)	DS/S	E(EV)	S(B)	DS/S
8.2676E+02	20.69	.486	7.9711E+02	3.40	1.678	7.6948E+02	2.28	2.404
8.2578E+02	10.17	.518	7.9665E+02	4.72	1.078	7.6860E+02	3.01	1.447
8.2529E+02	14.33	.800	7.9618E+02	3.47	1.208	7.6815E+02	6.87	.726
8.2480E+02	28.14	.265	7.9526E+02	3.82	1.352	7.6772E+02	4.78	1.047
8.2382E+02	20.77	.405	7.9479E+02	1.44	3.364	7.6684E+02	6.24	.694
8.2333E+02	14.82	.674	7.9433E+02	3.38	1.200	7.6640E+02	4.11	1.217
8.2284E+02	7.68	.691	7.9340E+02	5.81	.891	7.6596E+02	.90	5.881
8.2187E+02	7.39	.729	7.9294E+02	6.84	.746	7.6508E+02	3.15	1.620
8.2138E+02	5.47	.925	7.9248E+02	5.53	.715	7.6465E+02	4.91	1.065
8.2089E+02	5.07	.824	7.9156E+02	7.89	.664	7.6421E+02	9.27	.724
8.1992E+02	1.29	3.523	7.9110E+02	13.97	.605	7.6334E+02	41.68	.212
8.1944E+02	.55	8.712	7.9064E+02	10.02	.498	7.6290E+02	63.62	.125
8.1895E+02	4.94	.881	7.8972E+02	-2.53	2.306	7.6247E+02	68.89	.184
8.1798E+02	9.79	.459	7.8926E+02	-4.01	1.322	7.6160E+02	43.35	.142
8.1750E+02	13.20	.376	7.8881E+02	-.78	5.223	7.6116E+02	28.28	.213
8.1702E+02	16.48	.296	7.8789E+02	2.24	2.256	7.6073E+02	22.13	.249
8.1605E+02	9.60	.514	7.8743E+02	5.21	.992	7.5986E+02	13.21	.363
8.1557E+02	.98	5.143	7.8652E+02	3.41	2.004	7.5943E+02	9.83	.546
8.1509E+02	3.33	1.258	7.8606E+02	-.71	6.870	7.5900E+02	7.25	.701
8.1413E+02	7.38	.663	7.8561E+02	3.66	1.645	7.5813E+02	5.86	.786
8.1365E+02	5.90	1.056	7.8470E+02	-1.93	2.458	7.5770E+02	4.92	1.072
8.1317E+02	.64	6.518	7.8425E+02	.95	5.187	7.5727E+02	9.63	.530
8.1221E+02	5.36	1.286	7.8379E+02	3.19	2.186	7.5641E+02	11.88	.410
8.1173E+02	6.66	.826	7.8289E+02	1.96	2.459	7.5598E+02	6.16	.850
8.1126E+02	7.49	.599	7.8243E+02	1.17	4.072	7.5555E+02	12.79	.460
8.1030E+02	6.97	.701	7.8198E+02	-.56	9.342	7.5469E+02	8.00	.789
8.0982E+02	3.15	1.630	7.8108E+02	.62	6.763	7.5426E+02	2.27	2.332
8.0935E+02	4.11	1.044	7.8063E+02	2.52	1.880	7.5384E+02	-1.14	4.226
8.0840E+02	4.27	1.133	7.8018E+02	17.29	.351	7.5298E+02	2.51	3.094
8.0792E+02	12.15	.406	7.7928E+02	55.62	.108	7.5256E+02	9.08	.990
8.0745E+02	10.16	.391	7.7883E+02	55.76	.109	7.5213E+02	9.42	.583
8.0650E+02	2.38	2.067	7.7838E+02	34.69	.162	7.5128E+02	5.31	.950
8.0603E+02	8.34	.612	7.7748E+02	15.63	.314	7.5085E+02	2.17	2.807
8.0555E+02	9.93	.454	7.7703E+02	7.74	.674	7.5043E+02	6.78	.792
8.0461E+02	5.34	1.018	7.7658E+02	6.30	.916	7.4958E+02	5.63	.887
8.0414E+02	5.35	.913	7.7569E+02	4.25	1.144	7.4915E+02	7.61	.657
8.0367E+02	6.79	.647	7.7524E+02	4.84	.974	7.4873E+02	6.95	.629
8.0273E+02	4.83	1.032	7.7480E+02	7.54	.783	7.4788E+02	7.97	.718
8.0226E+02	.76	6.931	7.7391E+02	11.74	.403	7.4746E+02	5.86	.993
8.0179E+02	2.75	1.697	7.7346E+02	13.30	.390	7.4704E+02	12.41	.587
8.0085E+02	-4.14	2.302	7.7302E+02	12.10	.436	7.4619E+02	3.64	1.630
8.0038E+02	-1.65	3.514	7.7213E+02	6.50	.661	7.4577E+02	.38	13.489
7.9991E+02	5.08	1.010	7.7169E+02	7.81	.622	7.4535E+02	1.03	4.295
7.9898E+02	1.45	3.867	7.7124E+02	5.49	.949	7.4451E+02	12.89	.399
7.9851E+02	1.57	3.529	7.7036E+02	4.62	1.022	7.4409E+02	10.44	.481
7.9804E+02	.68	7.148	7.6992E+02	5.43	.932	7.4367E+02	8.85	.523

E(EV)	S(B)	DS/S	E(EV)	S(B)	DS/S	E(EV)	S(B)	DS/S
7.4284E+02	13.73	.573	7.1795E+02	7.65	.701	6.9392E+02	11.38	.431
7.4242E+02	6.96	.756	7.1756E+02	4.46	1.002	6.9354E+02	12.19	.445
7.4200E+02	11.20	.423	7.1676E+02	4.70	1.268	6.9317E+02	21.55	.323
7.4117E+02	11.12	.479	7.1637E+02	9.61	.568	6.9241E+02	24.88	.289
7.4075E+02	7.16	.695	7.1557E+02	13.90	.337	6.9204E+02	15.17	.384
7.4033E+02	9.41	.753	7.1518E+02	11.84	.447	6.9166E+02	18.20	.425
7.3950E+02	-.56	11.319	7.1478E+02	17.23	.356	6.9091E+02	19.44	.315
7.3908E+02	3.30	1.458	7.1399E+02	20.00	.236	6.9053E+02	14.12	.421
7.3867E+02	4.22	1.241	7.1360E+02	20.39	.256	6.9016E+02	10.44	.459
7.3784E+02	10.21	.855	7.1321E+02	22.39	.247	6.8941E+02	16.71	.618
7.3743E+02	14.66	.350	7.1242E+02	11.70	.384	6.8904E+02	10.42	.586
7.3701E+02	13.83	.339	7.1203E+02	12.63	.442	6.8866E+02	10.35	.438
7.3619E+02	20.66	.259	7.1163E+02	8.82	.596	6.8792E+02	10.94	.628
7.3577E+02	31.13	.187	7.1085E+02	5.22	.828	6.8754E+02	8.99	.626
7.3536E+02	36.11	.145	7.1046E+02	5.44	.876	6.8717E+02	11.33	.421
7.3454E+02	28.48	.218	7.1007E+02	2.83	1.782	6.8643E+02	12.48	.404
7.3412E+02	22.31	.229	7.0928E+02	4.13	1.012	6.8606E+02	9.80	.538
7.3371E+02	16.31	.322	7.0890E+02	6.42	.748	6.8569E+02	10.04	.491
7.3289E+02	12.03	.468	7.0851E+02	10.30	.583	6.8494E+02	4.23	1.267
7.3248E+02	9.09	.698	7.0773E+02	11.61	.447	6.8457E+02	6.34	.867
7.3207E+02	12.64	.373	7.0734E+02	13.75	.390	6.8420E+02	9.72	.461
7.3126E+02	6.75	.931	7.0695E+02	30.07	.192	6.8346E+02	7.28	.684
7.3085E+02	3.08	1.920	7.0617E+02	46.88	.245	6.8310E+02	6.30	1.001
7.3044E+02	1.59	2.798	7.0578E+02	42.09	.189	6.8273E+02	7.73	.658
7.2962E+02	.71	9.664	7.0540E+02	30.46	.192	6.8199E+02	8.80	.560
7.2922E+02	6.08	.813	7.0462E+02	26.37	.268	6.8162E+02	10.68	.551
7.2881E+02	4.88	1.224	7.0424E+02	16.90	.320	6.8125E+02	9.18	.591
7.2800E+02	5.95	.934	7.0385E+02	15.09	.565	6.8052E+02	2.41	2.414
7.2759E+02	9.12	.544	7.0308E+02	9.05	.558	6.8015E+02	9.21	1.069
7.2719E+02	9.17	.487	7.0269E+02	7.00	.692	6.7979E+02	9.46	.532
7.2638E+02	8.80	.697	7.0231E+02	10.14	.482	6.7905E+02	3.92	1.292
7.2597E+02	13.39	.702	7.0154E+02	9.05	.605	6.7869E+02	11.03	.549
7.2557E+02	13.65	.417	7.0116E+02	8.14	1.318	6.7832E+02	12.17	.443
7.2476E+02	11.11	.512	7.0077E+02	11.82	.547	6.7759E+02	8.46	.588
7.2436E+02	9.83	.534	7.0001E+02	14.86	.360	6.7723E+02	6.29	.874
7.2395E+02	9.58	.456	6.9962E+02	15.88	.489	6.7687E+02	-.40	15.441
7.2315E+02	5.54	.969	6.9924E+02	9.39	.536	6.7614E+02	2.91	1.877
7.2275E+02	4.88	1.069	6.9848E+02	5.62	.899	6.7578E+02	-1.19	4.491
7.2235E+02	6.61	.660	6.9810E+02	6.02	1.126	6.7541E+02	3.81	1.239
7.2154E+02	5.63	.959	6.9772E+02	14.51	.415	6.7469E+02	1.38	3.506
7.2114E+02	2.06	2.304	6.9696E+02	22.78	.249	6.7433E+02	-2.12	2.388
7.2074E+02	2.56	1.566	6.9658E+02	32.16	.212	6.7396E+02	3.40	1.246
7.1994E+02	3.34	1.577	6.9619E+02	31.66	.181	6.7324E+02	8.54	.604
7.1955E+02	3.67	1.303	6.9544E+02	17.53	.291	6.7288E+02	12.70	.425
7.1915E+02	3.54	1.139	6.9506E+02	14.41	.419	6.7252E+02	12.97	.354
7.1835E+02	8.32	.634	6.9468E+02	14.91	.372	6.7180E+02	14.90	.371

E(EV)	S(B)	DS/S	E(EV)	S(B)	DS/S	E(EV)	S(B)	DS/S
6.7144E+02	9.08	.649	6.4969E+02	84.77	.125	6.2931E+02	26.19	.208
6.7108E+02	6.72	.643	6.4935E+02	86.13	.174	6.2898E+02	16.29	.296
6.7036E+02	13.17	.540	6.4901E+02	74.09	.175	6.2833E+02	14.39	.351
6.7000E+02	7.87	.648	6.4832E+02	80.14	.107	6.2800E+02	14.34	.351
6.6965E+02	6.68	.627	6.4798E+02	88.18	.148	6.2768E+02	13.42	.335
6.6893E+02	5.58	1.162	6.4764E+02	69.17	.119	6.2703E+02	15.06	.323
6.6857E+02	13.23	.598	6.4696E+02	31.26	.156	6.2671E+02	9.82	.540
6.6822E+02	15.72	.319	6.4662E+02	28.32	.214	6.2638E+02	11.38	.715
6.6750E+02	22.65	.380	6.4628E+02	39.73	.274	6.2573E+02	7.14	.878
6.6715E+02	14.67	.407	6.4560E+02	22.49	.378	6.2541E+02	7.70	.863
6.6679E+02	7.43	.568	6.4526E+02	13.02	1.360	6.2509E+02	3.46	1.476
6.6608E+02	6.70	.836	6.4492E+02	16.43	.433	6.2444E+02	9.70	.538
6.6572E+02	3.42	1.612	6.4425E+02	17.49	.266	6.2412E+02	11.98	.498
6.6537E+02	4.22	1.028	6.4391E+02	17.09	.311	6.2380E+02	17.23	.357
6.6466E+02	16.76	.455	6.4357E+02	15.59	.354	6.2315E+02	8.72	.557
6.6431E+02	17.71	.326	6.4290E+02	14.48	.395	6.2283E+02	11.36	.496
6.6395E+02	13.82	.350	6.4256E+02	16.00	.343	6.2251E+02	17.33	.266
6.6324E+02	3.70	1.578	6.4223E+02	21.84	.317	6.2187E+02	49.89	.122
6.6289E+02	5.13	1.084	6.4155E+02	21.32	.260	6.2155E+02	61.93	.127
6.6254E+02	4.99	.834	6.4122E+02	22.35	.374	6.2123E+02	65.61	.221
6.6183E+02	4.03	1.491	6.4088E+02	16.92	.433	6.2059E+02	38.47	.391
6.6148E+02	1.58	3.349	6.4021E+02	18.93	.258	6.2027E+02	26.89	.340
6.6113E+02	2.73	1.506	6.3988E+02	17.80	.345	6.1995E+02	19.19	.256
6.6043E+02	14.30	.509	6.3954E+02	10.02	.616	6.1931E+02	13.26	.390
6.6008E+02	14.66	.379	6.3887E+02	18.14	.340	6.1900E+02	13.41	.383
6.5973E+02	16.79	.323	6.3854E+02	26.81	.224	6.1868E+02	12.53	.340
6.5903E+02	13.78	.459	6.3821E+02	35.17	.493	6.1804E+02	14.85	.403
6.5868E+02	2.76	2.199	6.3754E+02	19.50	.301	6.1772E+02	17.38	.363
6.5833E+02	1.89	3.257	6.3721E+02	18.49	.294	6.1741E+02	15.95	.326
6.5763E+02	10.12	.632	6.3688E+02	24.67	.206	6.1677E+02	16.86	.339
6.5728E+02	6.43	.806	6.3621E+02	19.77	.245	6.1646E+02	19.84	.632
6.5694E+02	5.73	.715	6.3588E+02	18.70	.301	6.1614E+02	16.60	.355
6.5624E+02	9.17	.659	6.3555E+02	9.63	.561	6.1551E+02	17.64	.509
6.5589E+02	9.04	.651	6.3489E+02	12.93	.362	6.1519E+02	17.85	.350
6.5555E+02	10.11	.439	6.3456E+02	11.19	.534	6.1488E+02	28.69	.418
6.5485E+02	6.58	.841	6.3423E+02	13.85	.438	6.1425E+02	31.38	.253
6.5451E+02	22.57	.492	6.3357E+02	13.55	.365	6.1394E+02	35.09	.254
6.5382E+02	62.51	.185	6.3324E+02	13.02	.398	6.1362E+02	41.93	.181
6.5347E+02	85.06	.103	6.3291E+02	18.35	.539	6.1299E+02	41.95	.293
6.5312E+02	89.41	.174	6.3225E+02	11.14	.468	6.1268E+02	34.41	.337
6.5244E+02	48.40	.137	6.3192E+02	15.91	.375	6.1237E+02	29.12	.269
6.5209E+02	30.18	.247	6.3160E+02	17.52	.382	6.1174E+02	21.40	.305
6.5175E+02	13.01	.642	6.3094E+02	4.01	1.439	6.1143E+02	18.48	.322
6.5106E+02	25.92	.239	6.3061E+02	10.73	1.175	6.1112E+02	19.27	.282
6.5072E+02	31.60	.228	6.3029E+02	21.94	.278	6.1049E+02	16.54	.504
6.5037E+02	43.63	.254	6.2963E+02	26.70	.194	6.1018E+02	10.00	.584

E(EV)	S(B)	OS/S	E(EV)	S(B)	OS/S	E(EV)	S(B)	OS/S
6.0987E+02	6.07	.841	5.9102E+02	15.91	.398	5.7332E+02	4.19	1.112
6.0925E+02	12.17	.444	5.9073E+02	17.55	.304	5.7275E+02	8.51	.631
6.0894E+02	15.35	.362	5.9013E+02	11.42	.629	5.7247E+02	7.92	.753
6.0863E+02	14.86	.332	5.8984E+02	17.01	.657	5.7219E+02	4.52	1.040
6.0801E+02	12.36	.437	5.8954E+02	16.95	.340	5.7162E+02	-.86	6.007
6.0770E+02	13.42	.469	5.8895E+02	15.10	.310	5.7134E+02	6.58	.818
6.0739E+02	12.15	.368	5.8865E+02	11.95	.567	5.7106E+02	7.13	.610
6.0677E+02	15.54	.379	5.8836E+02	12.77	.480	5.7049E+02	1.34	4.489
6.0646E+02	14.73	.482	5.8777E+02	8.50	.897	5.7021E+02	4.64	1.113
6.0615E+02	16.49	.331	5.8748E+02	13.99	.451	5.6993E+02	1.14	4.008
6.0553E+02	19.62	.304	5.8718E+02	18.88	.329	5.6937E+02	5.83	1.206
6.0523E+02	24.80	.471	5.8659E+02	17.30	.336	5.6909E+02	10.29	.568
6.0492E+02	20.74	.350	5.8630E+02	25.73	.209	5.6881E+02	9.76	.454
6.0431E+02	12.27	.648	5.8601E+02	25.97	.314	5.6825E+02	5.93	1.077
6.0400E+02	17.90	.378	5.8542E+02	16.95	.273	5.6797E+02	8.26	.744
6.0369E+02	25.55	.441	5.8513E+02	12.56	.490	5.6769E+02	10.89	.487
6.0308E+02	27.40	.514	5.8484E+02	7.96	.755	5.6713E+02	8.20	.695
6.0277E+02	21.50	.356	5.8425E+02	11.38	.541	5.6685E+02	10.05	.599
6.0247E+02	19.19	.386	5.8396E+02	11.59	.473	5.6657E+02	10.85	.413
6.0186E+02	17.12	.391	5.8367E+02	12.45	.463	5.6602E+02	6.03	.980
6.0155E+02	21.02	.296	5.8309E+02	10.63	.454	5.6574E+02	9.34	.567
6.0094E+02	20.32	.245	5.8280E+02	13.44	.400	5.6546E+02	10.98	.388
6.0064E+02	20.73	.347	5.8251E+02	17.54	.423	5.6490E+02	12.07	.518
6.0033E+02	17.26	.446	5.8192E+02	15.06	.344	5.6463E+02	6.07	.852
5.9973E+02	16.04	.339	5.8163E+02	8.39	.670	5.6435E+02	3.33	1.438
5.9942E+02	17.16	.340	5.8135E+02	6.08	1.387	5.6380E+02	3.37	1.569
5.9912E+02	17.11	.378	5.8077E+02	6.81	.936	5.6352E+02	6.87	.747
5.9851E+02	25.03	.216	5.8048E+02	12.11	.482	5.6324E+02	4.28	1.001
5.9821E+02	21.24	.295	5.8019E+02	13.64	.369	5.6269E+02	7.20	1.355
5.9791E+02	16.33	.392	5.7961E+02	13.34	.454	5.6242E+02	2.42	2.337
5.9731E+02	29.05	.214	5.7932E+02	8.74	1.114	5.6214E+02	-.57	7.218
5.9701E+02	27.51	.264	5.7903E+02	6.61	1.083	5.6159E+02	-.68	9.377
5.9670E+02	32.09	.221	5.7846E+02	4.57	1.520	5.6131E+02	-.71	8.822
5.9610E+02	34.42	.141	5.7817E+02	11.31	.584	5.6104E+02	-1.65	2.818
5.9580E+02	33.87	.171	5.7788E+02	12.86	.599	5.6049E+02	5.32	1.604
5.9550E+02	34.10	.308	5.7731E+02	12.03	.521	5.6022E+02	4.65	1.231
5.9490E+02	27.83	.202	5.7703E+02	10.70	.612	5.5994E+02	3.87	1.360
5.9460E+02	24.93	.243	5.7674E+02	10.72	.508	5.5940E+02	10.19	.559
5.9430E+02	27.34	.210	5.7617E+02	9.20	.843	5.5912E+02	4.34	1.286
5.9370E+02	27.98	.203	5.7588E+02	9.47	.597	5.5885E+02	4.69	1.394
5.9340E+02	25.52	.235	5.7560E+02	6.30	.775	5.5831E+02	7.87	.897
5.9311E+02	18.09	.306	5.7503E+02	7.91	.893	5.5803E+02	3.96	1.278
5.9251E+02	17.82	.296	5.7474E+02	6.71	.922	5.5776E+02	7.54	.540
5.9221E+02	18.02	.309	5.7446E+02	6.61	.884	5.5722E+02	8.09	.688
5.9191E+02	15.87	.333	5.7389E+02	5.75	1.011	5.5694E+02	-3.85	1.424
5.9132E+02	13.93	.359	5.7360E+02	3.11	1.776	5.5667E+02	-6.48	.662

E(EV)	S(B)	DS/S	E(EV)	S(B)	DS/S	E(EV)	S(B)	DS/S
5.5613E+02	-4.02	1.393	5.3996E+02	5.50	1.680	5.2424E+02	.97	5.622
5.5586E+02	-1.45	3.912	5.3944E+02	6.79	1.267	5.2399E+02	2.56	2.596
5.5559E+02	.04	107.124	5.3919E+02	7.23	.867	5.2375E+02	7.62	.700
5.5505E+02	3.43	1.826	5.3893E+02	9.95	.852	5.2325E+02	6.81	.810
5.5478E+02	7.96	.700	5.3841E+02	5.39	.940	5.2301E+02	7.78	.709
5.5424E+02	1.43	2.944	5.3815E+02	2.23	2.556	5.2276E+02	3.84	1.371
5.5397E+02	-2.13	2.520	5.3790E+02	5.44	.966	5.2226E+02	1.81	3.240
5.5370E+02	3.28	1.938	5.3738E+02	.54	8.728	5.2202E+02	9.61	.669
5.5316E+02	2.83	1.615	5.3712E+02	-2.73	1.956	5.2177E+02	26.22	.346
5.5289E+02	5.18	1.038	5.3687E+02	-1.22	4.259	5.2128E+02	67.34	.131
5.5262E+02	5.09	1.184	5.3635E+02	8.68	.701	5.2103E+02	93.02	.115
5.5209E+02	2.78	1.536	5.3610E+02	14.88	.453	5.2079E+02	76.58	.105
5.5182E+02	1.43	3.586	5.3584E+02	8.84	.602	5.2030E+02	32.51	.217
5.5155E+02	-2.76	2.157	5.3533E+02	10.21	.798	5.2005E+02	21.23	.328
5.5102E+02	4.04	1.115	5.3507E+02	9.71	.600	5.1981E+02	12.54	.412
5.5075E+02	6.65	.762	5.3481E+02	11.49	.503	5.1932E+02	1.22	4.826
5.5048E+02	9.23	.593	5.3431E+02	11.38	.455	5.1907E+02	1.23	4.674
5.4995E+02	10.53	.432	5.3405E+02	9.41	.666	5.1883E+02	2.63	1.899
5.4968E+02	10.34	.570	5.3379E+02	14.60	.436	5.1834E+02	9.88	.582
5.4942E+02	7.25	.925	5.3329E+02	16.14	.328	5.1810E+02	9.79	.653
5.4889E+02	7.81	.807	5.3303E+02	13.70	.460	5.1785E+02	8.58	.678
5.4862E+02	8.09	.924	5.3278E+02	14.70	.665	5.1737E+02	18.11	.508
5.4835E+02	6.72	.953	5.3227E+02	17.02	.802	5.1712E+02	23.50	.285
5.4783E+02	3.43	1.566	5.3202E+02	10.97	.894	5.1688E+02	18.21	.334
5.4756E+02	.76	8.796	5.3176E+02	12.44	.518	5.1640E+02	11.35	.581
5.4729E+02	5.17	1.453	5.3126E+02	14.62	.581	5.1615E+02	15.96	.385
5.4677E+02	2.54	1.854	5.3100E+02	19.25	.546	5.1591E+02	17.10	.306
5.4650E+02	2.03	2.751	5.3075E+02	19.89	.334	5.1543E+02	15.10	.472
5.4624E+02	6.97	1.501	5.3024E+02	14.21	.468	5.1519E+02	18.25	.352
5.4571E+02	4.21	1.156	5.2999E+02	14.16	.705	5.1494E+02	15.89	.371
5.4545E+02	7.47	.729	5.2974E+02	8.85	.774	5.1446E+02	11.16	.637
5.4519E+02	9.11	.608	5.2924E+02	6.56	.925	5.1422E+02	5.09	1.308
5.4466E+02	9.66	.594	5.2899E+02	16.74	.748	5.1374E+02	14.19	.416
5.4440E+02	1.08	6.210	5.2874E+02	19.07	.639	5.1350E+02	16.35	.355
5.4413E+02	1.44	4.081	5.2823E+02	12.04	.852	5.1326E+02	15.31	.466
5.4361E+02	4.14	1.162	5.2798E+02	11.08	.713	5.1278E+02	20.81	.379
5.4335E+02	6.78	.984	5.2773E+02	14.27	.477	5.1254E+02	26.01	.310
5.4309E+02	8.55	.669	5.2723E+02	18.00	.472	5.1230E+02	44.72	.242
5.4256E+02	4.09	1.149	5.2698E+02	17.10	.546	5.1182E+02	103.26	.112
5.4230E+02	3.91	1.400	5.2673E+02	12.83	.523	5.1158E+02	132.13	.088
5.4204E+02	11.37	.672	5.2623E+02	11.60	.702	5.1134E+02	148.79	.106
5.4152E+02	6.92	.746	5.2598E+02	12.93	.746	5.1086E+02	95.44	.176
5.4126E+02	1.24	4.469	5.2573E+02	7.46	.767	5.1063E+02	72.16	.244
5.4100E+02	5.41	.985	5.2524E+02	11.24	.484	5.1039E+02	42.91	.290
5.4048E+02	2.55	1.859	5.2499E+02	10.45	.547	5.0991E+02	30.75	.212
5.4022E+02	2.43	2.316	5.2474E+02	9.46	.520	5.0967E+02	32.26	.281

E(EV)	S(B)	DS/S	E(EV)	S(8)	OS/S	E(EV)	S(8)	DS/S
5.0944E+02	31.11	.298	4.9502E+02	2.94	1.364	4.8143E+02	5.47	.947
5.0896E+02	15.53	.422	4.9480E+02	8.11	.654	4.8121E+02	3.24	1.744
5.0873E+02	9.31	.648	4.9457E+02	7.39	.641	4.8078E+02	11.60	.450
5.0849E+02	14.48	.420	4.9411E+02	10.86	.518	4.8056E+02	8.69	.560
5.0801E+02	15.94	.370	4.9389E+02	7.49	.740	4.8034E+02	8.71	.439
5.0778E+02	19.15	.391	4.9366E+02	11.45	.423	4.7991E+02	12.09	.487
5.0754E+02	15.86	.382	4.9321E+02	46.95	.139	4.7969E+02	19.58	.337
5.0707E+02	16.57	.373	4.9298E+02	84.91	.121	4.7947E+02	15.58	.343
5.0683E+02	20.98	.395	4.9276E+02	109.19	.086	4.7904E+02	9.56	.739
5.0660E+02	19.41	.316	4.9230E+02	115.08	.093	4.7882E+02	3.47	2.756
5.0613E+02	19.76	.437	4.9208E+02	87.11	.115	4.7839E+02	15.03	.346
5.0589E+02	9.78	.844	4.9185E+02	62.35	.113	4.7817E+02	12.97	.464
5.0566E+02	14.56	.677	4.9140E+02	10.95	.696	4.7796E+02	16.62	.411
5.0519E+02	13.47	.411	4.9118E+02	12.61	.536	4.7753E+02	29.98	.194
5.0495E+02	15.91	.336	4.9095E+02	14.82	.432	4.7731E+02	35.94	.184
5.0472E+02	21.50	.433	4.9050E+02	22.47	.304	4.7710E+02	45.21	.183
5.0425E+02	39.33	.648	4.9028E+02	19.49	.307	4.7667E+02	37.09	.147
5.0402E+02	25.42	.447	4.9006E+02	32.26	.174	4.7645E+02	28.64	.242
5.0378E+02	13.22	.460	4.8961E+02	60.63	.121	4.7624E+02	21.04	.452
5.0332E+02	8.43	.586	4.8938E+02	51.26	.119	4.7581E+02	13.27	.462
5.0308E+02	7.90	.689	4.8916E+02	45.42	.163	4.7559E+02	11.70	.555
5.0285E+02	3.35	1.671	4.8871E+02	25.28	.261	4.7538E+02	12.90	.734
5.0239E+02	8.98	.664	4.8849E+02	21.53	.416	4.7495E+02	17.67	.584
5.0215E+02	9.06	.856	4.8827E+02	17.46	.291	4.7474E+02	10.42	.566
5.0192E+02	12.63	.593	4.8782E+02	11.60	.481	4.7452E+02	9.46	.570
5.0146E+02	4.05	1.351	4.8760E+02	13.85	.381	4.7410E+02	19.52	.436
5.0122E+02	1.79	2.776	4.8738E+02	13.49	.321	4.7388E+02	23.62	.572
5.0099E+02	5.50	.898	4.8693E+02	19.19	.315	4.7367E+02	11.96	.636
5.0053E+02	9.62	.487	4.8671E+02	17.74	.289	4.7325E+02	8.52	.750
5.0030E+02	11.06	.466	4.8649E+02	10.40	.785	4.7303E+02	6.75	.933
5.0007E+02	14.48	.404	4.8605E+02	10.85	.581	4.7282E+02	15.42	.792
4.9960E+02	22.77	.336	4.8583E+02	13.94	.350	4.7240E+02	29.48	.393
4.9937E+02	18.29	.346	4.8560E+02	16.50	.256	4.7218E+02	41.45	.187
4.9914E+02	13.84	.369	4.8516E+02	27.51	.231	4.7197E+02	72.51	.115
4.9868E+02	9.09	.570	4.8494E+02	16.67	.288	4.7155E+02	112.02	.151
4.9845E+02	13.69	.437	4.8472E+02	6.39	.838	4.7134E+02	121.45	.229
4.9822E+02	12.17	.384	4.8428E+02	6.52	.958	4.7112E+02	105.99	.235
4.9776E+02	19.24	.332	4.8406E+02	8.88	.894	4.7070E+02	66.23	.212
4.9753E+02	23.80	.709	4.8384E+02	15.54	.326	4.7049E+02	45.29	.287
4.9731E+02	24.10	.529	4.8340E+02	13.30	.428	4.7028E+02	40.44	.439
4.9685E+02	21.15	.470	4.8318E+02	14.04	.353	4.6986E+02	34.02	.319
4.9662E+02	21.82	.460	4.8296E+02	13.87	.300	4.6965E+02	28.01	.245
4.9639E+02	18.51	.603	4.8252E+02	10.48	.490	4.6944E+02	25.24	.457
4.9593E+02	9.24	.591	4.8231E+02	13.04	.361	4.6902E+02	25.39	.453
4.9571E+02	10.33	.913	4.8209E+02	13.51	.313	4.6881E+02	20.92	.610
4.9548E+02	4.79	1.114	4.8165E+02	12.93	.470	4.6860E+02	17.45	.382

E(EV)	S(B)	DS/S	E(EV)	S(B)	DS/S	E(EV)	S(B)	DS/S
4.6818E+02	7.74	.540	4.5567E+02	5.85	.918	4.4347E+02	59.54	.238
4.6797E+02	5.26	.962	4.5547E+02	4.96	.834	4.4327E+02	34.38	.282
4.6776E+02	7.16	.656	4.5507E+02	4.79	.996	4.4308E+02	26.86	.208
4.6735E+02	.22	19.308	4.5487E+02	9.49	.552	4.4270E+02	28.89	.339
4.6714E+02	-2.90	1.941	4.5467E+02	8.98	.479	4.4250E+02	26.18	.230
4.6693E+02	-3.30	1.461	4.5427E+02	9.00	.587	4.4231E+02	13.88	.418
4.6651E+02	-1.43	3.171	4.5407E+02	14.47	.444	4.4193E+02	19.23	.259
4.6630E+02	3.20	1.476	4.5387E+02	13.40	.432	4.4174E+02	22.46	.245
4.6610E+02	7.21	.703	4.5347E+02	14.48	.747	4.4155E+02	23.16	.292
4.6568E+02	3.92	1.726	4.5327E+02	18.75	.334	4.4116E+02	15.24	.305
4.6547E+02	2.29	2.440	4.5307E+02	19.66	.250	4.4097E+02	17.03	.283
4.6527E+02	8.40	.922	4.5267E+02	13.11	.407	4.4078E+02	19.36	.306
4.6485E+02	12.19	.441	4.5248E+02	12.91	.405	4.4040E+02	19.99	.262
4.6465E+02	14.29	.478	4.5228E+02	14.13	.313	4.4021E+02	20.82	.378
4.6444E+02	17.01	.320	4.5188E+02	17.68	.317	4.4002E+02	18.83	.307
4.6402E+02	25.31	.308	4.5168E+02	20.46	.289	4.3964E+02	8.22	1.204
4.6382E+02	24.18	.265	4.5148E+02	21.31	.265	4.3944E+02	13.89	.841
4.6361E+02	17.58	.359	4.5109E+02	21.06	.514	4.3925E+02	11.28	.769
4.6320E+02	11.37	.525	4.5089E+02	22.25	.567	4.3887E+02	4.65	1.383
4.6299E+02	8.94	.611	4.5069E+02	22.15	.427	4.3868E+02	12.23	.659
4.6279E+02	4.27	1.215	4.5030E+02	16.17	.540	4.3850E+02	15.05	.321
4.6238E+02	2.16	2.898	4.5010E+02	20.57	.584	4.3812E+02	9.30	.637
4.6217E+02	8.58	.860	4.4990E+02	14.82	.395	4.3793E+02	4.35	2.234
4.6197E+02	14.65	.518	4.4951E+02	1.80	4.637	4.3774E+02	3.96	1.855
4.6156E+02	11.21	.609	4.4931E+02	11.01	.812	4.3736E+02	12.53	.426
4.6135E+02	6.41	.761	4.4911E+02	17.70	.660	4.3717E+02	15.30	.371
4.6115E+02	-1.02	5.977	4.4872E+02	5.21	1.835	4.3698E+02	12.05	.449
4.6074E+02	-2.89	1.837	4.4853E+02	4.87	1.934	4.3660E+02	24.24	.250
4.6053E+02	-1.69	3.200	4.4833E+02	10.90	.815	4.3642E+02	20.17	.410
4.6033E+02	1.18	4.669	4.4794E+02	.86	9.659	4.3623E+02	16.89	.396
4.5992E+02	3.07	1.546	4.4774E+02	17.58	.364	4.3585E+02	11.79	.501
4.5972E+02	.25	38.355	4.4755E+02	16.41	.345	4.3566E+02	8.24	.736
4.5952E+02	9.66	.623	4.4716E+02	15.81	.612	4.3548E+02	9.95	.509
4.5911E+02	7.89	.651	4.4696E+02	19.50	.505	4.3510E+02	18.73	.357
4.5891E+02	6.96	.776	4.4677E+02	18.12	.445	4.3491E+02	11.70	.422
4.5870E+02	6.65	.728	4.4638E+02	41.97	.174	4.3473E+02	10.04	.512
4.5830E+02	4.56	1.128	4.4618E+02	22.74	.461	4.3435E+02	15.56	.386
4.5809E+02	7.29	.764	4.4579E+02	19.12	.256	4.3417E+02	16.06	.331
4.5789E+02	12.07	.467	4.4560E+02	29.21	.196	4.3398E+02	20.54	.272
4.5749E+02	8.62	.551	4.4540E+02	25.23	.236	4.3361E+02	8.32	.706
4.5729E+02	6.90	.808	4.4501E+02	40.53	.224	4.3342E+02	8.46	.666
4.5708E+02	2.81	1.535	4.4482E+02	57.04	.124	4.3323E+02	6.03	.746
4.5668E+02	2.05	10.572	4.4463E+02	91.23	.146	4.3286E+02	4.35	1.072
4.5648E+02	4.06	1.810	4.4424E+02	145.56	.090	4.3267E+02	6.44	1.059
4.5628E+02	3.58	1.333	4.4405E+02	157.79	.079	4.3249E+02	8.88	.721
4.5587E+02	2.51	2.659	4.4385E+02	131.23	.207	4.3212E+02	13.13	.444

E(EV)	S(B)	DS/S	E(EV)	S(8)	OS/S	E(EV)	S(8)	DS/S
4.3193E+02	13.76	.351	4.2084E+02	146.44	.083	4.1000E+02	13.77	.513
4.3175E+02	14.01	.307	4.2048E+02	100.41	.166	4.0983E+02	9.37	.840
4.3138E+02	10.82	.452	4.2031E+02	76.47	.126	4.0949E+02	3.26	2.130
4.3119E+02	9.77	.847	4.2013E+02	54.71	.180	4.0932E+02	2.56	2.485
4.3101E+02	12.44	.431	4.1977E+02	33.86	.216	4.0914E+02	5.23	2.023
4.3064E+02	.45	11.866	4.1960E+02	22.29	.223	4.0880E+02	10.40	.625
4.3045E+02	5.25	.912	4.1942E+02	14.77	.284	4.0863E+02	9.62	.827
4.3027E+02	6.41	.627	4.1906E+02	10.13	.995	4.0846E+02	4.98	1.477
4.2990E+02	3.11	1.917	4.1889E+02	6.24	1.022	4.0812E+02	3.99	1.680
4.2972E+02	-2.31	2.103	4.1871E+02	9.51	.490	4.0795E+02	5.85	1.218
4.2953E+02	-2.61	1.703	4.1836E+02	23.64	.260	4.0778E+02	5.97	1.038
4.2916E+02	-3.71	1.531	4.1818E+02	20.45	.406	4.0744E+02	6.86	1.238
4.2898E+02	-3.10	2.035	4.1800E+02	21.43	.230	4.0727E+02	7.56	1.220
4.2880E+02	-1.53	3.100	4.1765E+02	15.69	.389	4.0710E+02	5.27	1.200
4.2843E+02	6.03	1.195	4.1747E+02	18.04	.271	4.0676E+02	4.49	1.216
4.2825E+02	13.47	.439	4.1712E+02	12.91	.517	4.0659E+02	5.18	.993
4.2807E+02	26.92	.387	4.1694E+02	10.93	.552	4.0642E+02	4.09	1.196
4.2770E+02	63.56	.175	4.1677E+02	24.17	.378	4.0608E+02	5.10	.896
4.2752E+02	70.10	.097	4.1642E+02	16.05	.300	4.0592E+02	1.47	2.836
4.2733E+02	66.02	.104	4.1624E+02	16.37	.361	4.0575E+02	2.57	1.517
4.2697E+02	32.36	.397	4.1607E+02	16.73	.387	4.0541E+02	7.43	.521
4.2679E+02	20.37	.431	4.1572E+02	16.35	.624	4.0524E+02	9.73	.486
4.2660E+02	16.56	.325	4.1554E+02	16.68	.365	4.0507E+02	10.86	.431
4.2624E+02	15.75	.738	4.1537E+02	17.04	.281	4.0474E+02	4.39	.945
4.2606E+02	8.62	.662	4.1502E+02	50.34	.150	4.0457E+02	3.15	1.572
4.2588E+02	10.37	.397	4.1484E+02	67.68	.104	4.0440E+02	2.84	1.538
4.2551E+02	4.14	1.921	4.1467E+02	90.15	.099	4.0407E+02	1.95	2.154
4.2533E+02	-3.03	1.626	4.1432E+02	74.17	.085	4.0390E+02	.16	29.762
4.2515E+02	.96	4.995	4.1415E+02	60.61	.140	4.0373E+02	.01	716.978
4.2479E+02	11.82	.466	4.1397E+02	43.75	.153	4.0340E+02	1.55	2.704
4.2461E+02	11.15	.477	4.1362E+02	23.34	.248	4.0323E+02	1.96	2.354
4.2443E+02	6.94	.667	4.1345E+02	20.91	.290	4.0306E+02	1.90	2.074
4.2407E+02	4.84	1.397	4.1328E+02	15.73	.376	4.0273E+02	.40	10.554
4.2389E+02	7.87	.883	4.1293E+02	11.43	.662	4.0256E+02	.45	12.053
4.2371E+02	9.04	.882	4.1276E+02	20.77	.436	4.0239E+02	-1.19	4.076
4.2335E+02	2.73	2.321	4.1258E+02	26.91	.410	4.0206E+02	-.69	7.017
4.2317E+02	5.23	.937	4.1224E+02	14.59	.358	4.0189E+02	1.49	3.094
4.2299E+02	5.33	.788	4.1207E+02	17.69	.354	4.0173E+02	2.47	2.426
4.2263E+02	10.73	.625	4.1189E+02	18.34	.272	4.0139E+02	-.42	17.613
4.2245E+02	22.95	.267	4.1155E+02	15.12	.251	4.0123E+02	3.38	1.420
4.2227E+02	19.53	.281	4.1137E+02	14.31	.335	4.0106E+02	6.42	.646
4.2191E+02	50.61	.253	4.1120E+02	15.63	.363	4.0073E+02	16.12	.493
4.2173E+02	100.75	.157	4.1086E+02	16.01	.461	4.0057E+02	12.79	.527
4.2156E+02	90.74	.131	4.1069E+02	14.73	.539	4.0040E+02	13.17	.337
4.2120E+02	148.21	.103	4.1051E+02	12.43	.507	4.0007E+02	-.39	19.862
4.2102E+02	157.41	.080	4.1017E+02	13.07	.460	3.9990E+02	2.28	2.134

E(EV)	S(B)	DS/S	E(EV)	S(B)	DS/S	E(EV)	S(B)	DS/S
3.9974E+02	4.72	.976	3.8970E+02	10.62	.441	3.7760E+02	21.01	.213
3.9941E+02	1.07	4.757	3.8954E+02	15.43	.337	3.7745E+02	20.15	.191
3.9924E+02	-3.45	1.500	3.8922E+02	3.45	1.245	3.7730E+02	21.37	.236
3.9908E+02	-2.47	2.184	3.8906E+02	.41	15.378	3.7699E+02	21.68	.207
3.9875E+02	27.71	.315	3.8891E+02	-1.31	4.030	3.7684E+02	25.33	.191
3.9859E+02	54.63	.179	3.8859E+02	-3.51	1.746	3.7669E+02	29.11	.313
3.9842E+02	76.71	.091	3.8843E+02	-.64	10.576	3.7639E+02	28.83	.170
3.9809E+02	83.20	.201	3.8827E+02	2.03	2.270	3.7624E+02	19.45	.245
3.9793E+02	71.60	.103	3.8796E+02	2.29	1.838	3.7609E+02	15.31	.361
3.9777E+02	65.56	.092	3.8780E+02	-1.84	2.684	3.7579E+02	23.03	.228
3.9744E+02	40.08	.243	3.8764E+02	2.11	2.364	3.7564E+02	22.04	.274
3.9727E+02	27.47	.213	3.8733E+02	32.17	.141	3.7549E+02	19.80	.265
3.9711E+02	24.17	.182	3.8717E+02	55.69	.107	3.7518E+02	15.82	.292
3.9678E+02	23.62	.473	3.8701E+02	89.16	.086	3.7503E+02	17.72	.308
3.9662E+02	17.25	.448	3.8670E+02	118.69	.075	3.7489E+02	21.50	.435
3.9646E+02	15.05	.325	3.8654E+02	116.21	.129	3.7458E+02	23.32	.303
3.9613E+02	14.42	.904	3.8638E+02	95.16	.150	3.7444E+02	24.43	.275
3.9597E+02	10.83	.621	3.8607E+02	50.67	.182	3.7429E+02	25.41	.266
3.9581E+02	11.35	.414	3.8591E+02	29.53	.218	3.7399E+02	18.53	.217
3.9548E+02	8.45	.869	3.8576E+02	16.31	.314	3.7384E+02	18.60	.237
3.9532E+02	12.76	.463	3.8544E+02	9.78	.498	3.7369E+02	18.99	.241
3.9516E+02	15.11	.391	3.8529E+02	4.36	1.264	3.7339E+02	15.99	.228
3.9483E+02	16.25	.479	3.8513E+02	5.75	1.092	3.7324E+02	11.90	.284
3.9467E+02	14.94	.565	3.8482E+02	15.24	.323	3.7309E+02	11.08	.338
3.9451E+02	14.18	.502	3.8467E+02	11.13	.656	3.7280E+02	9.68	.381
3.9419E+02	12.72	.938	3.8451E+02	9.93	.497	3.7265E+02	8.44	.483
3.9402E+02	20.94	.309	3.8420E+02	16.55	.350	3.7250E+02	9.02	.466
3.9386E+02	15.57	.275	3.8404E+02	13.00	.531	3.7220E+02	13.38	.347
3.9354E+02	6.13	1.088	3.8389E+02	6.81	.929	3.7205E+02	14.12	.327
3.9338E+02	-1.37	3.319	3.8358E+02	12.83	.321	3.7191E+02	12.58	.409
3.9322E+02	-1.63	2.164	3.8342E+02	9.94	.420	3.7161E+02	13.17	.361
3.9290E+02	-1.30	4.180	3.8327E+02	9.34	.444	3.7146E+02	11.52	.386
3.9274E+02	-3.34	1.910	3.8296E+02	13.70	.319	3.7131E+02	10.68	.396
3.9241E+02	3.63	1.212	3.8280E+02	12.39	.625	3.7102E+02	13.31	.267
3.9225E+02	8.31	.791	3.8265E+02	6.63	.706	3.7087E+02	12.99	.336
3.9209E+02	7.82	.869	3.7988E+02	7.08	1.257	3.7058E+02	13.94	.231
3.9177E+02	4.27	1.161	3.7973E+02	10.84	.502	3.7043E+02	14.51	.264
3.9161E+02	-2.32	3.654	3.7942E+02	19.00	.243	3.7028E+02	16.32	.330
3.9145E+02	1.23	4.357	3.7927E+02	15.26	.213	3.6999E+02	14.60	.264
3.9113E+02	2.47	2.409	3.7912E+02	14.23	.268	3.6984E+02	15.76	.215
3.9097E+02	2.75	2.397	3.7881E+02	20.62	.210	3.6969E+02	15.63	.351
3.9081E+02	5.51	.918	3.7866E+02	21.36	.177	3.6940E+02	10.10	.359
3.9050E+02	5.81	1.018	3.7851E+02	20.59	.287	3.6925E+02	9.28	.388
3.9033E+02	1.05	8.834	3.7820E+02	31.01	.207	3.6911E+02	9.28	.557
3.9018E+02	1.07	6.412	3.7805E+02	34.63	.141	3.6882E+02	11.60	.300
3.8986E+02	6.28	.767	3.7790E+02	33.55	.264	3.6867E+02	13.53	.293

E(EV)	S(B)	DS/S	E(EV)	S(8)	DS/S	E(EV)	S(8)	DS/S
3.6852E+02	15.03	.425	3.5963E+02	20.93	.179	3.5115E+02	48.94	.281
3.6823E+02	14.06	.292	3.5949E+02	20.48	.182	3.5101E+02	43.05	.336
3.6808E+02	17.11	.293	3.5935E+02	21.92	.317	3.5088E+02	38.17	.279
3.6794E+02	19.38	.329	3.5907E+02	21.00	.280	3.5060E+02	41.59	.268
3.6765E+02	17.13	.239	3.5893E+02	21.01	.236	3.5046E+02	44.93	.228
3.6750E+02	16.32	.234	3.5879E+02	22.06	.325	3.5033E+02	46.71	.292
3.6736E+02	17.17	.320	3.5851E+02	24.36	.373	3.5005E+02	33.81	.264
3.6707E+02	13.44	.256	3.5837E+02	20.05	.370	3.4991E+02	30.85	.218
3.6692E+02	10.96	.351	3.5823E+02	17.86	.457	3.4977E+02	28.91	.202
3.6678E+02	9.41	.420	3.5795E+02	18.20	.426	3.4950E+02	43.06	.119
3.6649E+02	13.30	.261	3.5781E+02	15.43	.300	3.4936E+02	34.50	.132
3.6634E+02	15.70	.230	3.5767E+02	15.72	.282	3.4922E+02	32.41	.178
3.6620E+02	17.01	.252	3.5739E+02	20.53	.174	3.4895E+02	24.34	.178
3.6591E+02	19.31	.204	3.5725E+02	17.48	.196	3.4881E+02	23.97	.179
3.6576E+02	20.01	.225	3.5711E+02	15.74	.335	3.4867E+02	23.40	.153
3.6562E+02	21.00	.247	3.5683E+02	15.27	.252	3.4854E+02	21.09	.185
3.6533E+02	35.22	.123	3.5669E+02	13.29	.245	3.4826E+02	18.13	.283
3.6518E+02	40.68	.105	3.5655E+02	11.93	.382	3.4812E+02	22.94	.178
3.6504E+02	41.61	.130	3.5627E+02	11.90	.310	3.4799E+02	22.83	.200
3.6475E+02	45.74	.099	3.5614E+02	11.55	.288	3.4771E+02	26.29	.254
3.6461E+02	43.07	.113	3.5600E+02	12.19	.437	3.4758E+02	32.57	.177
3.6447E+02	38.12	.170	3.5572E+02	10.01	.504	3.4744E+02	34.10	.187
3.6418E+02	29.28	.215	3.5558E+02	8.27	.566	3.4716E+02	32.70	.259
3.6403E+02	25.32	.318	3.5544E+02	6.85	.611	3.4703E+02	33.20	.199
3.6389E+02	20.07	.524	3.5516E+02	15.88	.493	3.4689E+02	36.43	.238
3.6361E+02	14.31	.496	3.5502E+02	20.98	.442	3.4661E+02	40.47	.178
3.6346E+02	12.08	.477	3.5489E+02	19.81	.434	3.4648E+02	38.15	.146
3.6332E+02	13.86	.930	3.5461E+02	12.90	.325	3.4634E+02	36.66	.144
3.6303E+02	12.28	.384	3.5447E+02	18.97	.261	3.4620E+02	36.05	.260
3.6289E+02	17.68	.272	3.5433E+02	27.70	.224	3.4593E+02	25.89	.203
3.6275E+02	27.91	.193	3.5406E+02	81.43	.102	3.4579E+02	25.89	.216
3.6246E+02	69.23	.083	3.5392E+02	125.18	.095	3.4566E+02	30.88	.228
3.6232E+02	96.88	.088	3.5378E+02	159.05	.106	3.4538E+02	24.95	.208
3.6218E+02	119.43	.126	3.5350E+02	219.03	.074	3.4525E+02	20.69	.215
3.6189E+02	121.30	.141	3.5336E+02	210.97	.066	3.4511E+02	18.96	.204
3.6175E+02	107.36	.136	3.5322E+02	197.68	.068	3.4497E+02	17.25	.244
3.6161E+02	94.35	.196	3.5295E+02	132.43	.082	3.4470E+02	34.26	.268
3.6133E+02	57.77	.164	3.5281E+02	103.76	.102	3.4456E+02	48.56	.151
3.6118E+02	49.11	.103	3.5267E+02	85.87	.131	3.4443E+02	62.74	.148
3.6104E+02	38.90	.132	3.5240E+02	53.03	.100	3.4415E+02	137.85	.123
3.6076E+02	37.09	.182	3.5226E+02	42.69	.119	3.4402E+02	165.69	.124
3.6062E+02	29.48	.335	3.5212E+02	34.73	.137	3.4388E+02	171.09	.106
3.6048E+02	30.00	.505	3.5184E+02	28.39	.137	3.4374E+02	160.63	.098
3.6019E+02	30.64	.168	3.5170E+02	30.72	.145	3.4347E+02	84.16	.099
3.6005E+02	25.94	.152	3.5157E+02	32.76	.148	3.4333E+02	67.99	.096
3.5991E+02	22.73	.252	3.5129E+02	48.13	.217	3.4320E+02	53.03	.111

E(EV)	S(B)	DS/S	E(EV)	S(B)	DS/S	E(EV)	S(B)	DS/S
3.4292E+02	34.42	.165	3.3506E+02	25.29	.274	3.2743E+02	43.12	.108
3.4279E+02	35.02	.174	3.3493E+02	30.71	.403	3.2730E+02	40.38	.111
3.4265E+02	30.54	.156	3.3466E+02	20.30	.260	3.2703E+02	48.22	.115
3.4252E+02	28.30	.183	3.3453E+02	18.62	.254	3.2690E+02	43.21	.120
3.4224E+02	23.58	.314	3.3439E+02	19.99	.239	3.2676E+02	35.67	.119
3.4211E+02	20.77	.256	3.3426E+02	22.51	.206	3.2663E+02	32.53	.129
3.4197E+02	24.48	.222	3.3399E+02	29.22	.206	3.2650E+02	33.38	.182
3.4170E+02	38.44	.178	3.3385E+02	34.53	.208	3.2623E+02	25.48	.184
3.4156E+02	37.58	.218	3.3372E+02	32.75	.151	3.2610E+02	23.29	.176
3.4143E+02	33.45	.145	3.3358E+02	25.98	.259	3.2596E+02	24.16	.143
3.4129E+02	30.38	.165	3.3332E+02	22.13	.270	3.2583E+02	27.03	.155
3.4102E+02	22.25	.250	3.3318E+02	20.37	.209	3.2557E+02	34.15	.262
3.4088E+02	23.21	.215	3.3305E+02	24.18	.178	3.2543E+02	29.56	.148
3.4075E+02	29.62	.203	3.3291E+02	27.51	.197	3.2530E+02	25.53	.127
3.4048E+02	25.52	.207	3.3264E+02	17.68	.257	3.2517E+02	24.39	.113
3.4034E+02	27.95	.223	3.3251E+02	15.32	.253	3.2503E+02	23.91	.134
3.4020E+02	33.06	.167	3.3237E+02	12.63	.312	3.2477E+02	20.14	.173
3.4007E+02	30.98	.167	3.3224E+02	12.76	.335	3.2464E+02	17.05	.189
3.3980E+02	18.61	.255	3.3197E+02	21.29	.244	3.2450E+02	16.23	.197
3.3966E+02	19.20	.251	3.3184E+02	15.81	.333	3.2437E+02	18.75	.239
3.3953E+02	17.74	.234	3.3170E+02	17.03	.441	3.2411E+02	21.36	.257
3.3939E+02	17.69	.266	3.3157E+02	25.38	.547	3.2397E+02	16.95	.190
3.3912E+02	20.31	.252	3.3130E+02	40.42	.206	3.2384E+02	13.59	.225
3.3898E+02	26.76	.178	3.3117E+02	33.32	.280	3.2371E+02	12.25	.213
3.3885E+02	26.39	.203	3.3103E+02	27.97	.353	3.2358E+02	11.65	.256
3.3858E+02	25.34	.181	3.3090E+02	23.38	.178	3.2331E+02	18.08	.256
3.3844E+02	23.89	.199	3.3077E+02	24.45	.170	3.2318E+02	19.02	.255
3.3831E+02	23.67	.189	3.3050E+02	61.27	.227	3.2305E+02	18.20	.193
3.3817E+02	22.27	.218	3.3036E+02	81.37	.209	3.2292E+02	15.06	.196
3.3790E+02	25.30	.202	3.3023E+02	112.30	.161	3.2278E+02	12.77	.277
3.3776E+02	28.32	.267	3.3010E+02	136.92	.102	3.2252E+02	16.27	.209
3.3763E+02	27.81	.371	3.2983E+02	192.43	.086	3.2239E+02	18.30	.170
3.3749E+02	25.17	.322	3.2970E+02	194.78	.082	3.2225E+02	19.31	.190
3.3722E+02	21.62	.224	3.2956E+02	182.07	.094	3.2212E+02	16.64	.254
3.3709E+02	20.26	.236	3.2943E+02	170.10	.112	3.2199E+02	15.23	.245
3.3695E+02	20.13	.210	3.2916E+02	114.17	.153	3.2173E+02	16.26	.218
3.3682E+02	17.56	.266	3.2903E+02	102.15	.189	3.2159E+02	20.18	.260
3.3655E+02	26.27	.218	3.2890E+02	82.96	.201	3.2146E+02	21.65	.347
3.3641E+02	29.20	.163	3.2876E+02	71.99	.244	3.2133E+02	18.23	.200
3.3628E+02	27.78	.204	3.2849E+02	44.31	.212	3.2120E+02	15.99	.269
3.3601E+02	30.55	.160	3.2836E+02	44.42	.172	3.2093E+02	11.55	.294
3.3587E+02	21.46	.232	3.2823E+02	49.31	.177	3.2080E+02	9.68	.314
3.3574E+02	17.70	.320	3.2809E+02	48.29	.179	3.2067E+02	10.28	.333
3.3560E+02	19.11	.396	3.2796E+02	48.16	.259	3.2054E+02	12.23	.383
3.3533E+02	18.98	.247	3.2769E+02	49.99	.181	3.2041E+02	13.31	.452
3.3520E+02	19.61	.242	3.2756E+02	46.91	.131	3.2014E+02	11.04	.390

E(EV)	S(B)	DS/S	E(EV)	S(B)	DS/S	E(EV)	S(B)	DS/S
3.2001E+02	6.78	.628	3.1138E+02	15.39	.196	3.0453E+02	17.37	.314
3.1988E+02	4.35	.642	3.1125E+02	15.33	.212	3.0440E+02	18.10	.286
3.1975E+02	7.39	.371	3.1099E+02	10.64	.380	3.0415E+02	16.04	.373
3.1962E+02	11.18	.353	3.1086E+02	10.54	.351	3.0402E+02	14.15	.267
3.1935E+02	3.61	.916	3.1073E+02	8.18	.455	3.0389E+02	13.60	.291
3.1922E+02	2.49	1.137	3.1060E+02	4.29	.829	3.0376E+02	13.39	.289
3.1909E+02	7.18	.364	3.1047E+02	1.54	1.995	3.0363E+02	11.06	.305
3.1896E+02	13.21	.176	3.1034E+02	1.51	1.454	3.0350E+02	7.30	.371
3.1883E+02	15.99	.180	3.1021E+02	3.19	.800	3.0338E+02	5.76	.447
3.1856E+02	7.34	.393	3.0995E+02	2.33	1.218	3.0325E+02	5.70	.571
3.1843E+02	7.03	.372	3.0982E+02	1.76	1.492	3.0299E+02	5.62	.616
3.1830E+02	8.85	.342	3.0969E+02	2.33	1.242	3.0286E+02	6.02	.483
3.1817E+02	10.94	.323	3.0956E+02	3.42	.921	3.0274E+02	10.98	.360
3.1804E+02	13.38	.283	3.0943E+02	3.83	.890	3.0261E+02	21.11	.206
3.1778E+02	50.27	.149	3.0930E+02	3.89	1.223	3.0248E+02	25.53	.147
3.1765E+02	61.02	.116	3.0904E+02	2.07	1.625	3.0235E+02	17.94	.168
3.1751E+02	65.42	.087	3.0892E+02	.61	4.187	3.0222E+02	11.83	.313
3.1738E+02	55.45	.074	3.0878E+02	.06	44.774	3.0197E+02	10.78	.448
3.1725E+02	44.82	.089	3.0866E+02	2.19	1.581	3.0184E+02	11.36	.315
3.1699E+02	25.26	.150	3.0853E+02	6.59	.675	3.0171E+02	11.37	.291
3.1686E+02	23.97	.146	3.0840E+02	10.25	.655	3.0158E+02	7.81	.389
3.1673E+02	22.31	.161	3.0814E+02	3.88	.729	3.0145E+02	5.57	.533
3.1660E+02	20.16	.211	3.0801E+02	5.41	.454	3.0133E+02	8.77	.329
3.1647E+02	18.47	.159	3.0788E+02	10.27	.342	3.0120E+02	11.00	.311
3.1633E+02	17.39	.188	3.0775E+02	15.14	.278	3.0107E+02	11.42	.494
3.1607E+02	9.92	.311	3.0762E+02	18.85	.194	3.0082E+02	15.92	.312
3.1594E+02	8.59	.461	3.0749E+02	20.65	.166	3.0069E+02	16.77	.274
3.1581E+02	7.97	.753	3.0736E+02	21.29	.258	3.0056E+02	16.64	.349
3.1568E+02	7.89	.495	3.0711E+02	31.39	.183	3.0043E+02	18.31	.381
3.1555E+02	9.24	.391	3.0698E+02	30.45	.149	3.0031E+02	20.16	.354
3.1529E+02	24.24	.149	3.0685E+02	24.45	.153	3.0018E+02	19.50	.495
3.1516E+02	26.32	.181	3.0672E+02	15.60	.201	2.9992E+02	11.51	1.217
3.1503E+02	23.61	.306	3.0659E+02	11.74	.251	2.9916E+02	8.28	1.133
3.1490E+02	23.16	.289	3.0646E+02	12.94	.279	2.9840E+02	3.50	1.269
3.1476E+02	22.78	.253	3.0620E+02	13.03	.228	2.9776E+02	.23	20.964
3.1463E+02	23.41	.217	3.0607E+02	12.91	.222	2.9700E+02	-.51	7.355
3.1437E+02	18.73	.372	3.0595E+02	14.04	.293	2.9636E+02	6.70	.867
3.1424E+02	13.98	.431	3.0582E+02	12.50	.336	2.9560E+02	2.61	1.567
3.1411E+02	14.94	.430	3.0569E+02	9.10	.316	2.9497E+02	2.89	1.455
3.1398E+02	22.77	.207	3.0556E+02	11.22	.405	2.9421E+02	3.27	1.493
3.1229E+02	1.82	1.825	3.0543E+02	15.80	.560	2.9358E+02	8.53	.516
3.1216E+02	.17	16.684	3.0517E+02	20.20	.273	2.9283E+02	7.66	.576
3.1190E+02	7.55	.447	3.0505E+02	19.54	.229	2.9220E+02	3.93	1.542
3.1177E+02	11.85	.299	3.0492E+02	21.12	.247	2.7618E+02	8.27	.700
3.1164E+02	14.53	.302	3.0479E+02	22.78	.286	2.7557E+02	13.82	.806
3.1151E+02	15.19	.268	3.0466E+02	20.07	.352	2.7496E+02	48.23	.477

E(EV)	S(B)	DS/S	E(EV)	S(B)	DS/S	E(EV)	S(B)	DS/S
2.7423E+02	97.97	.282	2.4126E+02	9.72	.342	2.1903E+02	38.80	.203
2.7362E+02	55.36	.361	2.4069E+02	7.05	.472	2.1860E+02	31.49	.224
2.7301E+02	35.82	.351	2.4023E+02	7.70	.425	2.1816E+02	28.35	.193
2.7241E+02	37.25	.105	2.3966E+02	5.40	.559	2.1773E+02	25.84	.351
2.7180E+02	25.19	.424	2.3921E+02	6.24	.579	2.1729E+02	20.17	.204
2.7119E+02	22.66	.193	2.3864E+02	11.55	.442	2.1686E+02	17.03	.284
2.7058E+02	18.16	.249	2.3818E+02	7.80	.567	2.1643E+02	15.41	.369
2.6998E+02	14.91	.375	2.3762E+02	11.11	.224	2.1589E+02	13.31	.690
2.6937E+02	12.92	.293	2.3716E+02	8.46	.316	2.1545E+02	12.55	.899
2.6877E+02	12.18	.853	2.3660E+02	9.35	.390	2.1502E+02	7.06	.452
2.6817E+02	12.72	.588	2.3614E+02	12.36	.244	2.1459E+02	7.00	.400
2.6757E+02	11.08	.356	2.3569E+02	10.40	.777	2.1416E+02	6.30	.431
2.6696E+02	11.88	.524	2.3501E+02	29.81	.240	2.1373E+02	5.40	.500
2.6636E+02	13.88	.532	2.3456E+02	37.72	.155	2.1330E+02	2.45	.978
2.6576E+02	36.40	.503	2.3411E+02	22.99	.158	2.1286E+02	1.59	1.739
2.6516E+02	75.43	.188	2.3355E+02	28.80	.202	2.1244E+02	4.67	.647
2.6456E+02	42.53	.213	2.3310E+02	23.34	.340	2.1201E+02	5.71	.489
2.6396E+02	31.87	.279	2.3253E+02	24.22	.316	2.1169E+02	2.86	.996
2.6337E+02	35.25	.394	2.3209E+02	27.15	.322	2.1126E+02	6.06	.496
2.6277E+02	27.39	.478	2.3164E+02	38.31	.411	2.1083E+02	15.20	.595
2.6217E+02	20.09	.293	2.3108E+02	103.85	.112	2.1040E+02	83.45	.370
2.6158E+02	17.43	.216	2.3063E+02	99.90	.114	2.0997E+02	168.39	.172
2.6098E+02	17.45	.368	2.3018E+02	65.28	.143	2.0955E+02	123.52	.072
2.6039E+02	16.91	.314	2.2962E+02	70.72	.195	2.0912E+02	124.23	.080
2.5991E+02	16.24	.310	2.2918E+02	63.95	.127	2.0869E+02	121.39	.059
2.5932E+02	16.29	.294	2.2873E+02	42.46	.134	2.0827E+02	81.73	.072
2.5873E+02	24.67	.226	2.2829E+02	35.50	.351	2.0784E+02	55.81	.140
2.5813E+02	19.72	.393	2.2773E+02	42.80	.429	2.0742E+02	41.08	.131
2.5754E+02	14.98	.363	2.2729E+02	32.53	.417	2.0700E+02	29.19	.247
2.5695E+02	20.90	.184	2.2684E+02	24.74	.309	2.0668E+02	23.95	.537
2.5648E+02	13.42	.578	2.2640E+02	21.47	.513	2.0625E+02	21.99	.353
2.5589E+02	10.73	.415	2.2585E+02	21.79	.475	2.0583E+02	20.48	.483
2.5530E+02	15.86	.584	2.2540E+02	19.01	.544	2.0541E+02	10.89	.435
2.5471E+02	11.88	.615	2.2496E+02	17.22	.487	2.0499E+02	11.13	.715
2.5413E+02	12.35	.679	2.2452E+02	15.98	.441	2.0456E+02	11.00	.292
2.5366E+02	14.43	.629	2.2408E+02	15.72	.674	2.0425E+02	7.10	.442
2.5307E+02	11.17	.773	2.2353E+02	13.46	.764	2.0383E+02	5.79	.546
2.5249E+02	11.32	.817	2.2309E+02	60.25	1.229	2.0341E+02	4.76	.573
2.5202E+02	9.39	.580	2.2265E+02	85.13	.170	2.0299E+02	.90	3.761
2.4494E+02	5.13	.733	2.2221E+02	196.40	.253	2.0257E+02	4.08	.648
2.4436E+02	7.44	.476	2.2177E+02	125.14	.237	2.0225E+02	3.70	.882
2.4379E+02	9.22	.338	2.2133E+02	105.94	.072	2.0173E+02	3.00	1.034
2.4333E+02	14.18	.277	2.2078E+02	94.27	.139	2.0131E+02	1.59	2.298
2.4275E+02	12.04	.486	2.2035E+02	64.81	.150	2.0089E+02	2.94	.974
2.4229E+02	12.71	.593	2.1991E+02	47.66	.192	2.0058E+02	3.21	.955
2.4172E+02	10.69	.321	2.1947E+02	39.19	.205	2.0016E+02	2.83	1.354

E(EV)	S(B)	DS/S	E(EV)	S(B)	DS/S	E(EV)	S(B)	DS/S
1.9975E+02	2.95	.926	1.8304E+02	1.41	1.935	1.6820E+02	.88	3.380
1.9933E+02	1.99	1.414	1.8264E+02	-.02	122.371	1.6791E+02	.39	13.119
1.9902E+02	3.73	.846	1.8234E+02	2.35	1.175	1.6763E+02	1.02	3.682
1.9860E+02	3.01	1.028	1.8194E+02	39.63	.152	1.6734E+02	.23	15.735
1.9819E+02	5.09	.542	1.8165E+02	81.00	.068	1.6706E+02	-.24	15.088
1.9788E+02	16.98	.850	1.8125E+02	70.15	.071	1.6677E+02	-1.30	2.357
1.9746E+02	78.89	.223	1.8095E+02	67.44	.082	1.6648E+02	-1.82	2.718
1.9715E+02	159.88	.088	1.8065E+02	64.01	.068	1.6610E+02	-2.68	1.398
1.9674E+02	127.19	.074	1.8036E+02	45.87	.117	1.6582E+02	-1.98	1.925
1.9633E+02	121.34	.062	1.7996E+02	28.50	.155	1.6554E+02	-2.13	1.772
1.9602E+02	109.39	.081	1.7966E+02	19.82	.133	1.6525E+02	-2.73	1.220
1.9560E+02	70.55	.087	1.7927E+02	18.48	.160	1.6497E+02	-2.39	1.213
1.9519E+02	41.35	.086	1.7897E+02	16.01	.186	1.6468E+02	-1.74	2.060
1.9478E+02	34.87	.104	1.7858E+02	10.70	.306	1.6440E+02	-3.16	1.756
1.9447E+02	43.68	.082	1.7828E+02	10.25	.276	1.6402E+02	-1.85	1.696
1.9406E+02	42.40	.211	1.7799E+02	10.33	.232	1.6374E+02	-2.37	1.920
1.9376E+02	40.51	.191	1.7769E+02	9.01	.273	1.6346E+02	-4.03	.839
1.9335E+02	36.58	.107	1.7730E+02	3.26	1.093	1.6318E+02	-4.88	.950
1.9294E+02	36.55	.107	1.7701E+02	4.84	.566	1.6289E+02	-.90	4.971
1.9263E+02	24.23	.173	1.7662E+02	2.41	1.320	1.6261E+02	-1.75	1.931
1.9222E+02	20.26	.161	1.7632E+02	1.68	1.944	1.6233E+02	-1.72	2.528
1.9181E+02	13.40	.213	1.7603E+02	1.97	1.244	1.6205E+02	-3.18	1.639
1.9151E+02	12.02	.226	1.7564E+02	1.29	1.905	1.6177E+02	-4.59	1.218
1.9110E+02	7.73	.406	1.7535E+02	-1.48	2.396	1.6148E+02	-2.93	1.227
1.9079E+02	7.84	.398	1.7505E+02	-1.30	1.987	1.6120E+02	-2.26	2.121
1.9039E+02	7.00	.546	1.7476E+02	-1.79	1.490	1.6092E+02	-2.61	1.260
1.8998E+02	5.90	.473	1.7447E+02	-.40	7.151	1.6064E+02	-2.06	2.267
1.8968E+02	3.67	.691	1.7408E+02	-1.67	1.632	1.6036E+02	-2.07	1.690
1.8927E+02	1.51	2.128	1.7379E+02	-1.01	2.394	1.6008E+02	-1.13	2.619
1.8897E+02	.86	3.518	1.7350E+02	-.70	4.990	1.5980E+02	-.22	13.963
1.8856E+02	.87	3.299	1.7311E+02	-.12	24.894	1.5952E+02	-.16	22.769
1.8826E+02	1.87	1.572	1.7282E+02	1.43	1.750	1.5500E+02	-.43	1.517
1.8785E+02	2.88	1.039	1.7253E+02	.91	4.018	1.5472E+02	-1.03	2.845
1.8745E+02	2.63	1.429	1.7224E+02	3.81	.837	1.5445E+02	-3.39	1.199
1.8715E+02	1.10	2.613	1.7195E+02	14.14	.451	1.5417E+02	.25	15.372
1.8685E+02	-1.20	2.402	1.7166E+02	25.17	.139	1.5390E+02	-1.08	3.370
1.8644E+02	-.53	6.236	1.7127E+02	30.84	.126	1.5362E+02	-.30	11.067
1.8614E+02	.93	2.824	1.7098E+02	28.85	.133	1.5344E+02	-6.14	.696
1.8574E+02	2.06	1.386	1.7069E+02	25.29	.256	1.5317E+02	-3.21	1.021
1.8544E+02	1.67	1.570	1.7031E+02	20.88	.192	1.5289E+02	2.48	2.146
1.8514E+02	-1.15	2.628	1.7002E+02	12.02	.291	1.5262E+02	-.46	10.334
1.8474E+02	-1.85	1.586	1.6973E+02	6.55	.508	1.5235E+02	-.81	4.206
1.8434E+02	-1.69	1.633	1.6944E+02	3.93	1.057	1.5207E+02	.64	5.859
1.8404E+02	-.90	2.600	1.6906E+02	4.56	.843	1.5180E+02	-2.83	1.969
1.8364E+02	.67	3.659	1.6877E+02	2.19	1.651	1.5153E+02	-1.35	2.669
1.8334E+02	.08	32.344	1.6849E+02	1.96	2.097	1.5126E+02	-3.09	1.129

E(EV)	S(B)	DS/S	E(EV)	S(B)	DS/S	E(EV)	S(B)	DS/S
1.5099E+02	-4.75	1.212	1.3988E+02	1.85	1.442	1.2995E+02	13.37	.264
1.5072E+02	-3.47	.896	1.3962E+02	8.53	.474	1.2970E+02	12.08	.276
1.5053E+02	1.55	2.576	1.3945E+02	22.14	.357	1.2953E+02	10.72	.292
1.5026E+02	5.85	.960	1.3919E+02	30.66	.174	1.2937E+02	8.24	.395
1.4999E+02	10.26	.477	1.3901E+02	35.57	.115	1.2920E+02	5.92	.506
1.4972E+02	11.07	.414	1.3875E+02	36.18	.116	1.2895E+02	4.47	.738
1.4954E+02	8.55	.400	1.3858E+02	33.72	.123	1.2870E+02	5.70	.789
1.4927E+02	6.17	.587	1.3832E+02	21.22	.149	1.2853E+02	4.39	.638
1.4900E+02	2.59	1.246	1.3806E+02	13.86	.290	1.2836E+02	4.11	.738
1.4873E+02	2.54	1.786	1.3788E+02	16.97	.287	1.2811E+02	2.52	1.837
1.4855E+02	-1.08	5.096	1.3762E+02	9.36	.391	1.2795E+02	2.55	1.145
1.4828E+02	.77	4.250	1.3745E+02	9.93	.287	1.2770E+02	2.60	1.299
1.4801E+02	1.15	2.871	1.3719E+02	10.64	.310	1.2753E+02	1.75	2.572
1.4774E+02	1.10	4.299	1.3702E+02	1.69	2.184	1.2736E+02	1.39	2.344
1.4748E+02	.75	3.927	1.3676E+02	10.14	.453	1.2720E+02	1.47	2.159
1.4721E+02	.59	4.830	1.3650E+02	3.80	.953	1.2695E+02	.52	9.834
1.4703E+02	.15	17.647	1.3633E+02	4.02	.695	1.2670E+02	1.10	2.467
1.4676E+02	.43	8.055	1.3607E+02	7.04	.390	1.2653E+02	.81	3.641
1.4649E+02	.77	4.767	1.3590E+02	3.41	1.258	1.2637E+02	.90	3.539
1.4631E+02	2.73	1.159	1.3564E+02	-.33	13.718	1.2620E+02	.98	3.473
1.4605E+02	.89	5.020	1.3547E+02	4.40	1.089	1.2595E+02	.77	4.012
1.4578E+02	3.07	1.548	1.3521E+02	3.56	1.057	1.2570E+02	.65	4.864
1.4560E+02	-.39	7.778	1.3496E+02	.51	7.283	1.2554E+02	.71	3.961
1.4534E+02	-.03	188.665	1.3479E+02	1.19	4.004	1.2537E+02	.82	2.906
1.4507E+02	.51	6.364	1.3453E+02	1.94	2.585	1.2521E+02	1.18	2.366
1.4480E+02	1.15	3.132	1.3436E+02	1.96	2.624	1.2496E+02	1.51	2.022
1.4454E+02	.02	211.325	1.3419E+02	2.61	1.612	1.2480E+02	1.08	2.688
1.4427E+02	.98	3.646	1.3393E+02	5.04	.825	1.2463E+02	1.78	2.573
1.4410E+02	.40	9.117	1.3368E+02	10.67	.285	1.2439E+02	4.54	.673
1.4383E+02	.14	37.447	1.3351E+02	37.07	.215	1.2422E+02	1.84	1.941
1.4365E+02	1.31	2.648	1.3325E+02	101.80	.222	1.2397E+02	8.63	.453
1.4339E+02	.54	6.663	1.3308E+02	158.20	.124	1.2381E+02	6.19	.518
1.4312E+02	.28	18.424	1.3291E+02	209.33	.083	1.2365E+02	7.29	.399
1.4295E+02	1.59	2.171	1.3266E+02	198.30	.071	1.2348E+02	3.84	.968
1.4268E+02	.16	22.906	1.3249E+02	192.03	.074	1.2324E+02	7.57	.590
1.4251E+02	-.63	8.079	1.3223E+02	120.48	.090	1.2307E+02	4.19	.693
1.4224E+02	1.32	2.574	1.3198E+02	93.27	.262	1.2291E+02	3.76	.816
1.4198E+02	-.14	19.419	1.3181E+02	61.60	.091	1.2275E+02	3.49	.907
1.4172E+02	-.72	4.442	1.3164E+02	52.65	.123	1.2258E+02	2.87	1.091
1.4145E+02	-.58	9.229	1.3139E+02	51.49	.182	1.2234E+02	.69	4.564
1.4128E+02	2.58	1.294	1.3122E+02	43.26	.086	1.2209E+02	.13	28.014
1.4102E+02	-.14	26.592	1.3096E+02	42.90	.103	1.2193E+02	4.07	1.080
1.4084E+02	.93	3.365	1.3080E+02	31.30	.199	1.2177E+02	4.28	.621
1.4058E+02	2.31	1.886	1.3054E+02	27.12	.167	1.2161E+02	3.45	.865
1.4040E+02	1.00	3.055	1.3037E+02	21.64	.147	1.2136E+02	2.31	1.479
1.4014E+02	-.53	10.201	1.3021E+02	16.29	.212	1.2120E+02	1.36	2.165

E(EV)	S(B)	DS/S	E(EV)	S(B)	DS/S	E(EV)	S(B)	DS/S
1.2104E+02	-.68	6.476	1.1299E+02	-2.01	1.754	1.0574E+02	-.97	2.858
1.2088E+02	-.08	38.824	1.1283E+02	.24	12.313	1.0559E+02	-1.55	1.877
1.2063E+02	-.72	4.533	1.1267E+02	-3.02	1.583	1.0544E+02	-3.38	1.296
1.2047E+02	-2.04	2.142	1.1252E+02	-.32	8.364	1.0529E+02	.84	3.553
1.2031E+02	-.88	3.010	1.1236E+02	-.16	15.571	1.0514E+02	3.18	.823
1.2015E+02	.37	11.519	1.1213E+02	1.61	1.838	1.0499E+02	6.12	.416
1.1991E+02	-1.15	2.665	1.1205E+02	1.02	1.452	1.0484E+02	4.80	.449
1.1974E+02	1.47	2.270	1.1189E+02	3.93	1.019	1.0468E+02	4.30	.496
1.1958E+02	-2.56	1.891	1.1166E+02	-.46	5.183	1.0453E+02	4.06	.525
1.1942E+02	1.19	3.545	1.1150E+02	.23	10.256	1.0438E+02	2.83	1.228
1.1918E+02	-2.96	1.232	1.1135E+02	-3.61	.919	1.0423E+02	-.68	3.471
1.1902E+02	-.91	2.875	1.1119E+02	4.85	.598	1.0408E+02	-.58	4.609
1.1886E+02	-.69	4.435	1.1104E+02	-.43	5.954	1.0393E+02	-.33	7.463
1.1870E+02	-1.03	2.891	1.1088E+02	-3.13	1.241	1.0386E+02	-1.59	1.047
1.1846E+02	-3.42	1.098	1.1073E+02	.04	71.303	1.0363E+02	-.69	3.931
1.1830E+02	-1.16	2.160	1.1057E+02	.63	5.055	1.0348E+02	-.45	4.734
1.1814E+02	.99	3.363	1.1042E+02	-.49	5.155	1.0341E+02	-.04	31.129
1.1798E+02	-4.67	.733	1.1026E+02	-1.17	2.166	1.0318E+02	-1.37	1.743
1.1774E+02	.34	12.243	1.1003E+02	-2.66	1.099	1.0311E+02	-1.94	.834
1.1758E+02	-1.10	2.898	1.0995E+02	-3.04	.623	1.0296E+02	-2.94	.854
1.1742E+02	-2.21	1.229	1.0980E+02	-1.79	1.229	1.0281E+02	-.98	2.395
1.1726E+02	-2.22	2.121	1.0957E+02	-2.05	1.033	1.0266E+02	-1.07	3.165
1.1710E+02	-2.02	1.194	1.0941E+02	-1.66	1.883	1.0251E+02	-1.73	1.730
1.1694E+02	-2.31	1.130	1.0934E+02	-1.57	1.018	1.0236E+02	-1.75	1.694
1.1678E+02	-1.04	3.317	1.0910E+02	.90	3.404	1.0221E+02	-2.67	1.405
1.1654E+02	-2.13	2.074	1.0895E+02	.60	4.956	1.0214E+02	-2.04	.886
1.1638E+02	.70	4.584	1.0880E+02	.32	8.295	1.0191E+02	-.41	7.213
1.1622E+02	-2.52	1.807	1.0864E+02	-.42	1.518	1.0184E+02	-.43	3.713
1.1606E+02	-.84	3.004	1.0849E+02	-1.13	2.164	1.0169E+02	.73	4.692
1.1582E+02	10.60	1.110	1.0834E+02	.43	5.288	1.0154E+02	.73	4.200
1.1567E+02	1.04	2.243	1.0818E+02	-.21	10.783	1.0139E+02	.75	3.315
1.1551E+02	.62	4.011	1.0803E+02	-2.24	1.855	1.0124E+02	1.59	2.636
1.1535E+02	.32	8.253	1.0788E+02	1.81	1.399	1.0110E+02	.49	9.565
1.1519E+02	.07	41.248	1.0772E+02	-2.39	1.655	1.0095E+02	2.77	1.195
1.1503E+02	-.99	2.687	1.0757E+02	1.71	2.248	1.0080E+02	1.24	2.278
1.1487E+02	-.08	44.460	1.0742E+02	1.54	2.596	1.0065E+02	1.14	2.566
1.1464E+02	-.66	4.411	1.0726E+02	-.86	2.755	1.0058E+02	.71	2.190
1.1448E+02	2.38	1.750	1.0711E+02	-3.38	.992	9.7497E+01	6.44	.364
1.1432E+02	-1.83	1.849	1.0696E+02	.47	6.102	9.7424E+01	6.57	.211
1.1417E+02	-1.02	2.646	1.0681E+02	-1.55	1.662	9.7279E+01	7.37	.389
1.1401E+02	-.49	5.481	1.0665E+02	-3.45	.956	9.7133E+01	9.45	.452
1.1385E+02	-.98	2.748	1.0650E+02	-.48	6.023	9.7061E+01	9.04	.229
1.1369E+02	-4.12	.980	1.0635E+02	-3.82	.904	9.6843E+01	14.54	.191
1.1346E+02	-1.42	2.168	1.0620E+02	-2.33	1.284	9.6770E+01	19.05	.152
1.1330E+02	-1.16	2.474	1.0605E+02	-2.55	1.122	9.6625E+01	72.17	.152
1.1314E+02	1.75	1.687	1.0589E+02	-1.97	1.735	9.6481E+01	175.04	.087

E(EV)	S(B)	DS/S	E(EV)	S(B)	DS/S	E(EV)	S(B)	DS/S
9.6408E+01	185.88	.065	8.6541E+01	47.56	.114	7.7142E+01	3.39	.530
9.6191E+01	256.07	.076	8.6404E+01	175.96	.228	7.3938E+01	4.17	.684
9.6119E+01	251.92	.060	8.6336E+01	246.00	.263	7.3874E+01	4.90	.385
9.5974E+01	190.67	.088	8.6199E+01	627.85	.163	7.3811E+01	4.67	.325
9.5830E+01	143.86	.199	8.6130E+01	779.44	.091	7.3748E+01	4.38	.315
9.5758E+01	131.68	.125	8.5994E+01	909.26	.076	7.3621E+01	3.66	.697
9.5541E+01	61.50	.081	8.5925E+01	878.19	.066	7.3558E+01	3.53	.565
9.5470E+01	60.69	.062	8.5789E+01	600.79	.103	7.3432E+01	7.59	.314
9.5325E+01	60.98	.109	8.5652E+01	481.50	.083	7.3369E+01	8.27	.197
9.5182E+01	52.76	.112	8.5584E+01	430.32	.066	7.3242E+01	4.01	.607
9.5110E+01	49.21	.072	8.5448E+01	247.65	.062	7.3179E+01	4.26	.400
9.4894E+01	34.39	.099	8.5379E+01	228.57	.057	7.3116E+01	3.72	.544
9.4822E+01	33.95	.077	8.5243E+01	167.00	.069	7.2990E+01	9.91	.303
9.4679E+01	23.40	.148	8.5175E+01	154.70	.059	7.2927E+01	9.61	.277
9.4535E+01	17.08	.153	8.4971E+01	121.33	.076	7.2801E+01	15.54	.137
9.4464E+01	15.91	.103	8.4903E+01	117.17	.072	7.2675E+01	15.00	.134
9.4249E+01	13.77	.170	8.0017E+01	2.89	.756	7.2613E+01	14.22	.109
9.4177E+01	13.73	.105	7.9951E+01	2.70	.575	7.2487E+01	9.81	.246
9.4034E+01	11.06	.197	7.9819E+01	2.73	.762	7.2424E+01	8.95	.192
9.3892E+01	9.17	.373	7.9753E+01	2.82	.533	7.2299E+01	4.59	.565
9.3820E+01	8.62	.234	7.9622E+01	2.58	.869	7.2236E+01	4.37	.393
9.3677E+01	4.85	.808	7.9556E+01	1.75	1.293	7.2173E+01	4.30	.454
9.3535E+01	5.51	.483	7.9425E+01	2.62	.890	7.2048E+01	3.06	.701
9.3463E+01	5.65	.249	7.9359E+01	2.58	.661	7.1986E+01	2.79	.748
9.3321E+01	6.63	.565	7.9227E+01	3.49	.753	7.1861E+01	3.19	.687
9.3179E+01	3.04	1.520	7.9162E+01	3.24	.546	7.1736E+01	1.45	1.738
8.8819E+01	5.05	.695	7.9031E+01	2.67	1.208	7.1673E+01	1.22	1.854
8.8680E+01	4.80	.581	7.8965E+01	2.17	.863	7.1548E+01	1.19	2.146
8.8611E+01	4.71	.432	7.8834E+01	2.33	.710	7.1486E+01	.62	2.704
8.8472E+01	.41	9.930	7.8769E+01	2.41	.479	7.1424E+01	-.27	6.255
8.8334E+01	4.64	1.120	7.8703E+01	2.47	.509	7.1299E+01	-.77	2.277
8.8195E+01	7.85	.333	7.8573E+01	2.03	1.044	7.1237E+01	-1.16	1.255
8.8126E+01	5.98	.482	7.8507E+01	1.91	1.098	7.1113E+01	-.03	69.757
8.7987E+01	2.11	.999	7.8377E+01	1.94	1.053	7.0988E+01	.50	3.808
8.7918E+01	3.85	.661	7.8311E+01	2.00	.938	7.0926E+01	.44	3.611
8.7780E+01	6.00	.655	7.8181E+01	1.12	1.863	7.0802E+01	-.02	129.737
8.7642E+01	5.98	.516	7.8116E+01	.91	1.962	7.0740E+01	.65	2.743
8.7573E+01	5.55	.360	7.7986E+01	.15	14.192	7.0678E+01	1.39	1.331
8.7435E+01	3.57	1.049	7.7921E+01	.09	24.597	7.0554E+01	.71	3.109
8.7366E+01	5.26	.396	7.7790E+01	.86	2.370	7.0492E+01	.81	2.869
8.7228E+01	9.33	.448	7.7725E+01	.85	1.988	7.0369E+01	4.66	.627
8.7091E+01	8.94	.299	7.7595E+01	2.20	1.107	7.0245E+01	19.47	.121
8.6953E+01	12.95	.168	7.7530E+01	2.53	.775	7.0183E+01	22.00	.091
8.6885E+01	15.82	.115	7.7401E+01	2.05	1.459	7.0060E+01	47.67	.065
8.6747E+01	25.27	.133	7.7336E+01	2.45	.839	6.9998E+01	49.42	.060
8.6678E+01	30.29	.118	7.7206E+01	2.68	1.022	6.9936E+01	50.98	.068

E(EV)	S(B)	DS/S	E(EV)	S(B)	DS/S	E(EV)	S(B)	DS/S
6.9813E+01	45.66	.071	6.6106E+01	7.12	.361	6.2616E+01	1.94	1.223
6.9751E+01	42.25	.063	6.6046E+01	6.82	.275	6.2500E+01	1.25	1.182
6.9690E+01	35.92	.065	6.5986E+01	6.62	.250	6.2441E+01	.59	2.829
6.9628E+01	30.53	.078	6.5926E+01	6.52	.242	6.2383E+01	.34	7.933
6.9505E+01	19.69	.119	6.5866E+01	6.12	.412	6.2267E+01	-.58	4.995
6.9444E+01	17.87	.095	6.5747E+01	5.14	.460	6.2150E+01	1.22	1.194
6.9383E+01	15.37	.118	6.5687E+01	5.20	.362	6.2092E+01	.55	3.502
6.9260E+01	9.74	.248	6.5627E+01	5.32	.544	6.2034E+01	-.21	9.854
6.9198E+01	8.43	.284	6.5508E+01	3.64	.994	6.1976E+01	-.16	15.282
6.9076E+01	6.00	.474	6.5388E+01	1.64	1.954	6.1918E+01	.14	29.565
6.8953E+01	3.27	.733	6.5329E+01	1.73	1.084	6.1802E+01	2.05	.651
6.8892E+01	2.90	.547	6.5269E+01	1.95	.760	6.1744E+01	2.80	.507
6.8831E+01	1.86	.776	6.5150E+01	2.17	.828	6.1686E+01	3.04	.530
6.8770E+01	1.66	1.028	6.5091E+01	1.90	.654	6.1628E+01	2.34	.661
6.8648E+01	3.95	.805	6.5031E+01	1.34	.962	6.1570E+01	1.30	1.126
6.8586E+01	2.71	.671	6.4972E+01	1.09	1.235	6.1513E+01	.84	2.661
6.8525E+01	1.58	.963	6.4912E+01	1.40	1.212	6.1397E+01	1.40	2.120
6.8403E+01	2.66	.867	6.4794E+01	14.20	.160	6.1282E+01	4.34	.317
6.8342E+01	1.59	.923	6.4734E+01	14.45	.121	6.1224E+01	4.26	.401
6.8282E+01	.61	1.993	6.4675E+01	8.21	.188	6.1166E+01	2.43	.780
6.8220E+01	.67	2.020	6.4616E+01	1.22	1.031	6.1109E+01	1.49	1.348
6.8099E+01	1.96	1.076	6.4556E+01	.68	1.977	6.1051E+01	1.77	1.744
6.8038E+01	2.06	.609	6.4438E+01	1.61	1.563	6.0936E+01	1.34	.861
6.7977E+01	2.20	.527	6.4379E+01	1.46	1.361	6.0878E+01	1.09	1.145
6.7856E+01	2.29	.951	6.4320E+01	1.18	1.837	6.0821E+01	1.08	1.334
6.7795E+01	2.33	.609	6.4260E+01	1.48	1.613	6.0763E+01	1.48	1.215
6.7734E+01	2.86	.446	6.4142E+01	.90	1.883	6.0706E+01	2.03	1.019
6.7674E+01	3.93	.396	6.4083E+01	.72	1.843	6.0648E+01	2.00	.957
6.7552E+01	1.11	1.820	6.4024E+01	.53	3.150	6.0591E+01	1.48	1.255
6.7492E+01	1.12	1.343	6.3965E+01	.61	2.923	6.0533E+01	1.21	2.383
6.7431E+01	.58	4.031	6.3906E+01	.72	2.426	6.0419E+01	.82	4.871
6.7310E+01	1.64	1.381	6.3789E+01	.33	5.432	6.0304E+01	-2.70	3.124
6.7250E+01	1.08	1.363	6.3730E+01	.64	2.233	6.0247E+01	-5.10	1.325
6.7189E+01	.66	1.982	6.3612E+01	1.24	1.278	6.0190E+01	-7.80	.384
6.7129E+01	.81	1.883	6.3553E+01	1.29	1.039	6.0132E+01	-9.71	.305
6.7008E+01	1.71	1.179	6.3495E+01	1.39	.924	6.0075E+01	-9.86	.315
6.6948E+01	2.64	.565	6.3318E+01	.28	4.619	6.0018E+01	-9.42	.480
6.6887E+01	4.73	.379	6.3260E+01	.28	4.858	5.9904E+01	-3.22	.976
6.6767E+01	13.15	.140	6.3201E+01	.41	3.302	5.9790E+01	2.43	.894
6.6646E+01	23.26	.105	6.3142E+01	.64	2.305	5.9733E+01	2.45	.993
6.6586E+01	24.12	.079	6.3084E+01	.76	3.015	5.9676E+01	1.74	1.404
6.6526E+01	24.96	.088	6.2967E+01	2.45	.521	5.9619E+01	.70	2.746
6.6406E+01	21.29	.107	6.2908E+01	2.11	.595	5.9562E+01	-.04	38.815
6.6346E+01	18.99	.095	6.2850E+01	1.13	1.306	5.9505E+01	-.26	8.971
6.6286E+01	14.96	.119	6.2791E+01	.67	3.331	5.9391E+01	-.94	3.171
6.6226E+01	12.30	.140	6.2733E+01	.72	5.394	5.9278E+01	2.23	.702

E(EV)	S(B)	DS/S	E(EV)	S(B)	OS/S	E(EV)	S(B)	DS/S
5.9221E+01	1.05	1.504	5.6031E+01	3.73	.385	5.2876E+01	51.05	.127
5.9165E+01	.95	1.659	5.5976E+01	4.45	.354	5.2768E+01	92.43	.C74
5.9108E+01	1.77	.770	5.5921E+01	5.07	.299	5.2715E+01	95.87	.103
5.9051E+01	2.71	.530	5.5866E+01	5.28	.289	5.2608E+01	72.87	.089
5.8995E+01	3.06	.755	5.5811E+01	5.37	.444	5.2554E+01	61.74	.077
5.8881E+01	7.28	.294	5.5700E+01	5.13	.351	5.2501E+01	48.12	.C72
5.8768E+01	4.19	.309	5.5645E+01	5.06	.596	5.2447E+01	36.44	.C68
5.8712E+01	4.52	.452	5.5535E+01	5.35	.427	5.2394E+01	28.41	.C78
5.8599E+01	5.54	.244	5.5426E+01	4.72	.288	5.2341E+01	20.84	.098
5.8542E+01	5.84	.253	5.5371E+01	4.72	.425	5.2287E+01	13.43	.129
5.8486E+01	5.50	.258	5.5261E+01	3.92	.334	5.2234E+01	8.51	.188
5.8429E+01	4.77	.267	5.5206E+01	3.72	.571	5.2181E+01	6.80	.289
5.8373E+01	4.39	.337	5.5097E+01	2.80	.467	5.2128E+01	5.52	.352
5.8317E+01	4.33	.551	5.5042E+01	4.47	.292	5.2074E+01	4.21	.335
5.8204E+01	3.45	.693	5.4987E+01	5.16	.252	5.2021E+01	3.51	.320
5.8092E+01	2.56	.769	5.4933E+01	4.00	.324	5.1968E+01	2.93	.387
5.8036E+01	3.80	.412	5.4878E+01	3.14	.391	5.1915E+01	2.59	.476
5.7979E+01	4.56	.305	5.4823E+01	3.04	.363	5.1862E+01	2.46	.805
5.7923E+01	3.57	.517	5.4769E+01	2.94	.382	5.1755E+01	2.50	.655
5.7867E+01	2.04	1.120	5.4714E+01	2.87	.487	5.1703E+01	2.60	1.C50
5.7811E+01	1.56	1.464	5.4660E+01	2.94	.469	5.1597E+01	2.52	.565
5.7755E+01	2.07	.963	5.4605E+01	3.07	.354	5.1543E+01	2.48	.858
5.7699E+01	2.62	.689	5.4551E+01	3.33	.330	5.1438E+01	2.50	.442
5.7643E+01	2.71	.903	5.4496E+01	4.03	.329	5.1385E+01	2.48	.499
5.7531E+01	3.68	.804	5.4442E+01	5.16	.275	5.1332E+01	2.46	.837
5.7419E+01	1.93	.548	5.4387E+01	5.91	.268	5.1226E+01	2.56	.553
5.7363E+01	2.06	.773	5.4333E+01	5.68	.328	5.1174E+01	2.51	.653
5.7252E+01	1.22	1.151	5.4279E+01	5.03	.334	5.1121E+01	2.40	.706
5.7196E+01	1.42	1.111	5.4224E+01	4.68	.268	5.1068E+01	2.38	.638
5.7140E+01	1.83	1.049	5.4170E+01	4.81	.273	5.1015E+01	2.39	.593
5.7085E+01	1.85	.993	5.4116E+01	5.22	.281	5.0963E+01	2.36	.565
5.7029E+01	1.75	.818	5.4062E+01	5.37	.345	5.0910E+01	2.26	.553
5.6973E+01	2.18	.619	5.4007E+01	5.27	.599	5.0858E+01	2.00	.640
5.6918E+01	2.52	.591	5.3899E+01	4.76	.371	5.0805E+01	1.61	.793
5.6862E+01	2.68	.719	5.3845E+01	4.72	.655	5.0753E+01	1.11	1.212
5.6806E+01	2.77	1.191	5.3737E+01	6.60	.278	5.0700E+01	.67	1.906
5.6695E+01	1.08	2.528	5.3683E+01	6.76	.455	5.0648E+01	.49	2.317
5.6584E+01	3.02	.414	5.3575E+01	5.46	.317	5.0595E+01	.46	3.673
5.6529E+01	2.93	.695	5.3521E+01	5.10	.589	5.0490E+01	1.28	1.354
5.6418E+01	1.93	.680	5.3413E+01	5.60	.242	5.0438E+01	1.46	2.075
5.6363E+01	1.97	.620	5.3359E+01	5.59	.397	5.0333E+01	1.36	.895
5.6307E+01	2.05	.579	5.3252E+01	5.38	.251	5.0281E+01	1.80	.858
5.6252E+01	2.23	.583	5.3198E+01	5.41	.388	5.0228E+01	2.09	1.320
5.6197E+01	2.68	.596	5.3090E+01	11.28	.156	5.0124E+01	2.50	.815
5.6141E+01	3.29	.535	5.3036E+01	12.76	.220	5.0072E+01	2.31	.932
5.6086E+01	3.55	.440	5.2929E+01	46.48	.090	5.0020E+01	1.95	1.112

E(EV)	S(B)	DS/S	E(EV)	S(B)	DS/S	E(EV)	S(B)	DS/S
4.9968E+01	1.67	1.140	4.7294E+01	8.55	.141	4.4694E+01	3.68	.327
4.9916E+01	1.81	.881	4.7243E+01	8.76	.154	4.4644E+01	2.79	.450
4.9863E+01	1.69	.794	4.7193E+01	8.60	.269	4.4595E+01	2.92	.544
4.9811E+01	1.34	.914	4.7091E+01	6.28	.209	4.4546E+01	3.30	.526
4.9759E+01	1.32	.943	4.7041E+01	5.77	.212	4.4497E+01	2.62	.544
4.9707E+01	1.73	.930	4.6990E+01	5.36	.225	4.4447E+01	1.66	.669
4.9655E+01	2.02	1.417	4.6939E+01	4.92	.261	4.4398E+01	1.27	.863
4.9551E+01	2.66	.665	4.6889E+01	4.68	.303	4.4349E+01	1.48	.795
4.9499E+01	2.81	.715	4.6839E+01	4.54	.337	4.4300E+01	1.43	.830
4.9448E+01	2.73	1.205	4.6788E+01	4.50	.294	4.4251E+01	1.47	.780
4.9344E+01	2.60	.556	4.6738E+01	4.60	.257	4.4202E+01	1.81	.969
4.9292E+01	2.52	.613	4.6687E+01	4.67	.403	4.4104E+01	2.74	.408
4.9241E+01	2.57	.586	4.6586E+01	5.46	.265	4.4055E+01	2.82	.480
4.9189E+01	2.74	.616	4.6536E+01	6.12	.218	4.4006E+01	3.29	.467
4.9137E+01	2.63	.723	4.6486E+01	6.16	.245	4.3957E+01	3.89	.364
4.9085E+01	2.81	.648	4.6436E+01	5.94	.399	4.3908E+01	3.96	.324
4.9034E+01	3.10	.868	4.6335E+01	4.32	.305	4.3859E+01	3.24	.389
4.8930E+01	4.28	.390	4.6285E+01	4.08	.349	4.3811E+01	2.63	.772
4.8879E+01	2.76	.668	4.6235E+01	3.30	.496	4.3713E+01	2.94	.500
4.8827E+01	1.86	.909	4.6185E+01	2.28	.757	4.3664E+01	3.17	.482
4.8776E+01	2.03	.629	4.6135E+01	1.89	1.311	4.3616E+01	2.64	.670
4.8724E+01	2.13	.567	4.6034E+01	.96	1.486	4.3567E+01	2.25	.741
4.8673E+01	2.11	.612	4.5985E+01	1.00	1.467	4.3518E+01	2.66	.426
4.8621E+01	2.30	.549	4.5935E+01	1.47	.961	4.3470E+01	3.00	.372
4.8570E+01	2.67	.484	4.5885E+01	1.48	.858	4.3421E+01	2.52	.496
4.8519E+01	3.14	.410	4.5835E+01	.66	2.003	4.3372E+01	1.89	1.095
4.8467E+01	3.39	.364	4.5785E+01	-.33	4.356	4.3275E+01	3.72	.340
4.8416E+01	3.31	.443	4.5735E+01	.21	6.545	4.3227E+01	3.78	.323
4.8365E+01	3.19	.773	4.5685E+01	2.06	.632	4.3178E+01	3.32	.436
4.8262E+01	3.38	.333	4.5635E+01	2.62	.487	4.3130E+01	3.82	.394
4.8211E+01	4.44	.273	4.5585E+01	1.43	.940	4.3082E+01	4.94	.280
4.8160E+01	5.39	.262	4.5536E+01	.55	2.498	4.3033E+01	4.82	.302
4.8109E+01	5.51	.277	4.5486E+01	1.69	.721	4.2985E+01	4.89	.281
4.8058E+01	4.79	.336	4.5436E+01	4.17	.342	4.2936E+01	6.59	.206
4.8006E+01	4.40	.338	4.5386E+01	5.64	.332	4.2888E+01	8.33	.175
4.7955E+01	4.37	.305	4.5337E+01	5.53	.348	4.2840E+01	9.58	.155
4.7904E+01	4.18	.537	4.5287E+01	5.61	.280	4.2792E+01	10.20	.135
4.7802E+01	3.83	.274	4.5237E+01	6.17	.326	4.2743E+01	9.83	.132
4.7751E+01	5.05	.204	4.5138E+01	5.34	.234	4.2695E+01	8.56	.142
4.7700E+01	6.17	.192	4.5089E+01	3.67	.376	4.2647E+01	7.09	.183
4.7649E+01	6.69	.221	4.5039E+01	2.56	.545	4.2599E+01	6.25	.227
4.7599E+01	6.99	.210	4.4990E+01	3.68	.368	4.2551E+01	5.97	.247
4.7548E+01	6.83	.176	4.4940E+01	4.63	.450	4.2503E+01	5.72	.253
4.7497E+01	6.42	.228	4.4842E+01	4.06	.301	4.2455E+01	5.37	.277
4.7446E+01	6.32	.400	4.4792E+01	4.23	.361	4.2407E+01	5.10	.293
4.7345E+01	7.67	.159	4.4743E+01	4.16	.374	4.2359E+01	4.91	.281

E(EV)	S(B)	DS/S	E(EV)	S(B)	DS/S	E(EV)	S(B)	DS/S
4.2311E+01	5.04	.258	4.0086E+01	2.22	.635	3.7967E+01	10.78	.127
4.2263E+01	5.14	.269	4.0039E+01	3.08	.493	3.7922E+01	8.89	.149
4.2215E+01	5.25	.300	3.9993E+01	1.95	.833	3.7876E+01	6.68	.202
4.2167E+01	6.41	.264	3.9946E+01	1.22	1.494	3.7831E+01	5.16	.281
4.2119E+01	7.43	.225	3.9900E+01	.46	4.038	3.7786E+01	4.75	.334
4.2071E+01	6.02	.276	3.9853E+01	-.81	3.769	3.7740E+01	4.98	.337
4.2023E+01	3.76	.423	3.9806E+01	-1.40	4.146	3.7695E+01	5.05	.310
4.1975E+01	4.15	.347	3.9760E+01	-2.01	2.929	3.7650E+01	4.96	.307
4.1928E+01	6.90	.235	3.9713E+01	-1.91	1.016	3.7604E+01	5.29	.319
4.1880E+01	9.62	.190	3.9667E+01	-1.60	1.176	3.7559E+01	5.63	.318
4.1832E+01	13.39	.138	3.9621E+01	-2.32	.849	3.7514E+01	5.47	.372
4.1784E+01	19.57	.091	3.9574E+01	-2.73	.611	3.7469E+01	5.15	.404
4.1737E+01	25.06	.081	3.9528E+01	-1.64	.924	3.7424E+01	4.90	.334
4.1689E+01	29.46	.074	3.9481E+01	-1.24	1.288	3.7379E+01	4.65	.328
4.1642E+01	33.77	.066	3.9435E+01	-.97	1.703	3.7334E+01	4.20	.394
4.1594E+01	35.38	.063	3.9389E+01	.33	4.663	3.7289E+01	3.77	.418
4.1546E+01	34.42	.064	3.9342E+01	.57	2.731	3.7244E+01	3.54	.428
4.1499E+01	32.83	.068	3.9296E+01	.20	8.185	3.7199E+01	3.52	.476
4.1451E+01	32.03	.093	3.9250E+01	.61	3.075	3.7154E+01	3.92	.411
4.1357E+01	17.78	.086	3.9204E+01	.81	2.391	3.7109E+01	4.89	.316
4.1309E+01	14.45	.094	3.9158E+01	.81	1.826	3.7064E+01	6.22	.276
4.1262E+01	12.28	.116	3.9112E+01	.90	1.482	3.7019E+01	7.53	.228
4.1215E+01	10.78	.148	3.9065E+01	.85	1.919	3.6974E+01	8.73	.188
4.1167E+01	9.10	.186	3.9019E+01	1.04	1.642	3.6929E+01	9.06	.190
4.1120E+01	8.19	.223	3.8973E+01	1.18	1.295	3.6884E+01	7.98	.219
4.1073E+01	8.92	.236	3.8927E+01	.51	3.227	3.6840E+01	6.85	.260
4.1025E+01	9.77	.220	3.8881E+01	.31	5.470	3.6795E+01	7.16	.281
4.0978E+01	9.71	.204	3.8835E+01	1.13	1.368	3.6750E+01	8.17	.286
4.0931E+01	9.22	.221	3.8789E+01	1.77	.885	3.6705E+01	8.54	.355
4.0884E+01	8.04	.258	3.8744E+01	2.04	.834	3.6661E+01	8.78	.415
4.0837E+01	7.49	.235	3.8698E+01	1.85	1.194	3.6616E+01	8.31	.435
4.0790E+01	8.29	.213	3.8652E+01	.72	3.381	3.6572E+01	7.05	.515
4.0742E+01	8.66	.232	3.8606E+01	.32	6.007	3.6527E+01	6.46	.537
4.0695E+01	7.73	.239	3.8560E+01	2.44	.830	3.6482E+01	5.83	.456
4.0648E+01	6.55	.234	3.8514E+01	5.81	.356	3.6438E+01	4.88	.420
4.0601E+01	6.64	.277	3.8469E+01	10.96	.165	3.6393E+01	4.40	.481
4.0554E+01	6.97	.296	3.8423E+01	18.44	.113	3.6349E+01	3.87	.598
4.0507E+01	6.58	.299	3.8377E+01	25.47	.120	3.6304E+01	2.89	.806
4.0460E+01	5.51	.366	3.8332E+01	31.69	.145	3.6260E+01	2.52	.928
4.0414E+01	4.28	.466	3.8286E+01	33.54	.154	3.6216E+01	3.63	.603
4.0367E+01	3.92	.398	3.8240E+01	29.29	.128	3.6171E+01	5.60	.304
4.0320E+01	4.14	.379	3.8195E+01	25.00	.088	3.6127E+01	7.08	.272
4.0273E+01	4.27	.398	3.8149E+01	22.02	.080	3.6083E+01	7.47	.253
4.0226E+01	3.22	.594	3.8103E+01	17.90	.089	3.6038E+01	7.18	.238
4.0179E+01	.97	2.018	3.8058E+01	14.37	.100	3.5994E+01	7.04	.273
4.0133E+01	.31	5.047	3.8013E+01	12.26	.113	3.5950E+01	6.78	.281

E(EV)	S(B)	DS/S	E(EV)	S(B)	DS/S	E(EV)	S(B)	DS/S
3.5906E+01	6.32	.304	3.3902E+01	9.56	.206	3.1955E+01	12.89	.188
3.5861E+01	6.47	.365	3.3859E+01	8.52	.230	3.1913E+01	12.50	.216
3.5817E+01	7.37	.306	3.3816E+01	10.23	.217	3.1872E+01	12.00	.228
3.5773E+01	9.10	.197	3.3773E+01	12.80	.213	3.1830E+01	11.74	.204
3.5729E+01	10.36	.192	3.3730E+01	12.36	.208	3.1789E+01	10.43	.258
3.5685E+01	10.93	.178	3.3687E+01	10.13	.191	3.1747E+01	9.72	.283
3.5641E+01	11.64	.153	3.3645E+01	8.72	.219	3.1706E+01	10.75	.224
3.5597E+01	11.62	.176	3.3602E+01	7.89	.259	3.1664E+01	10.51	.259
3.5553E+01	11.55	.175	3.3559E+01	7.44	.316	3.1623E+01	10.02	.277
3.5509E+01	11.61	.156	3.3516E+01	7.08	.387	3.1581E+01	11.16	.218
3.5465E+01	10.84	.191	3.3474E+01	7.23	.373	3.1540E+01	12.02	.233
3.5421E+01	12.39	.168	3.3431E+01	7.48	.311	3.1498E+01	11.89	.242
3.5377E+01	18.13	.110	3.3388E+01	7.55	.294	3.1457E+01	11.26	.219
3.5333E+01	27.39	.095	3.3346E+01	7.92	.262	3.1415E+01	10.08	.277
3.5290E+01	46.34	.078	3.3303E+01	8.34	.272	3.1374E+01	9.53	.301
3.5246E+01	87.14	.069	3.3261E+01	9.11	.250	3.1333E+01	10.24	.242
3.5202E+01	170.75	.064	3.3218E+01	10.06	.212	3.1292E+01	10.05	.282
3.5158E+01	321.75	.061	3.3176E+01	10.69	.218	3.1250E+01	9.12	.321
3.5115E+01	543.56	.060	3.3133E+01	11.28	.208	3.1209E+01	7.73	.325
3.5071E+01	800.84	.060	3.3091E+01	11.79	.186	3.1168E+01	4.92	.585
3.5027E+01	1019.40	.058	3.3048E+01	12.30	.196	3.1127E+01	3.21	.922
3.4984E+01	1117.30	.057	3.3006E+01	12.81	.190	3.1086E+01	4.00	.627
3.4940E+01	1054.10	.058	3.2964E+01	13.48	.175	3.1045E+01	5.37	.546
3.4896E+01	879.87	.058	3.2921E+01	14.15	.199	3.1004E+01	6.56	.464
3.4853E+01	680.81	.056	3.2879E+01	12.89	.219	3.0962E+01	7.47	.341
3.4809E+01	491.86	.059	3.2837E+01	10.91	.211	3.0922E+01	7.65	.388
3.4766E+01	327.48	.061	3.2794E+01	11.58	.209	3.0880E+01	6.91	.456
3.4722E+01	204.08	.058	3.2752E+01	12.98	.189	3.0840E+01	5.45	.538
3.4679E+01	125.70	.061	3.2710E+01	13.21	.170	3.0799E+01	3.73	1.037
3.4636E+01	80.37	.067	3.2668E+01	13.91	.178	3.0758E+01	2.92	1.364
3.4592E+01	54.77	.064	3.2626E+01	14.24	.176	3.0717E+01	3.28	.762
3.4549E+01	39.85	.070	3.2584E+01	13.09	.174	3.0676E+01	2.74	.877
3.4505E+01	31.09	.077	3.2542E+01	11.74	.212	3.0635E+01	-.96	3.177
3.4462E+01	26.03	.084	3.2499E+01	11.06	.226	3.0594E+01	-8.02	.593
3.4419E+01	22.38	.094	3.2457E+01	10.94	.207	3.0553E+01	-12.92	.507
3.4376E+01	19.77	.101	3.2415E+01	10.47	.250	3.0513E+01	-10.92	.607
3.4332E+01	18.16	.107	3.2373E+01	9.09	.334	3.0472E+01	-4.21	1.164
3.4289E+01	16.48	.118	3.2332E+01	7.67	.378	3.0431E+01	1.82	1.960
3.4246E+01	14.87	.127	3.2290E+01	7.18	.363	3.0391E+01	3.89	.688
3.4203E+01	13.98	.132	3.2248E+01	7.67	.333	3.0350E+01	3.02	.848
3.4160E+01	13.36	.139	3.2206E+01	8.86	.258	3.0309E+01	1.66	1.529
3.4117E+01	12.96	.141	3.2164E+01	9.89	.260	3.0269E+01	.91	2.772
3.4074E+01	12.80	.142	3.2122E+01	10.56	.250	3.0228E+01	.88	2.851
3.4031E+01	12.62	.148	3.2080E+01	11.36	.209	3.0188E+01	1.18	2.137
3.3988E+01	12.28	.151	3.2039E+01	12.18	.220	3.0147E+01	2.09	1.238
3.3945E+01	11.31	.166	3.1997E+01	12.65	.217	3.0107E+01	3.62	.712

E(EV)	S(B)	DS/S	E(EV)	S(B)	DS/S	E(EV)	S(B)	DS/S
3.0066E+01	4.39	.606	2.8235E+01	-1.10	3.347	2.4125E+01	.82	15.435
3.0026E+01	3.99	.692	2.8196E+01	.43	9.479	2.4089E+01	-.16	61.103
2.9985E+01	3.25	.881	2.8157E+01	2.42	1.793	2.4053E+01	-.39	28.013
2.9945E+01	2.12	1.386	2.8117E+01	3.29	1.141	2.4016E+01	3.20	4.071
2.9905E+01	2.01	1.445	2.8078E+01	2.37	1.748	2.3980E+01	6.46	1.545
2.9864E+01	4.12	.767	2.8039E+01	2.63	1.675	2.3944E+01	13.31	.827
2.9824E+01	5.29	.616	2.8000E+01	6.42	.593	2.3908E+01	22.50	.593
2.9784E+01	3.53	.840	2.7961E+01	11.26	.379	2.3872E+01	13.96	.743
2.9744E+01	1.16	2.356	2.7922E+01	12.82	.357	2.3836E+01	5.15	2.240
2.9703E+01	.17	16.380	2.7883E+01	10.00	.395	2.3800E+01	10.38	1.340
2.9663E+01	.71	3.900	2.7844E+01	7.49	.576	2.3764E+01	13.98	.773
2.9623E+01	1.57	1.709	2.7805E+01	5.81	.789	2.3728E+01	14.64	.809
2.9583E+01	1.67	1.686	2.7767E+01	2.92	1.377	2.3692E+01	16.12	.870
2.9543E+01	1.29	2.358	2.7728E+01	3.34	1.342	2.3656E+01	11.92	.908
2.9503E+01	.38	9.206	2.7689E+01	4.34	1.094	2.3620E+01	7.29	1.663
2.9463E+01	-.32	13.088	2.7650E+01	1.32	3.155	2.3585E+01	1.46	10.184
2.9423E+01	.62	6.812	2.7611E+01	-1.07	6.222	2.3549E+01	10.63	1.054
2.9383E+01	.90	3.934	2.5187E+01	.05	165.968	2.3513E+01	22.29	.551
2.9343E+01	.32	10.892	2.5150E+01	-3.64	2.464	2.3477E+01	28.64	.533
2.9303E+01	1.40	2.300	2.5113E+01	-8.69	1.118	2.3442E+01	32.68	.352
2.9263E+01	2.48	1.391	2.5076E+01	-5.53	1.441	2.3406E+01	33.67	.336
2.9223E+01	2.66	1.318	2.5039E+01	-2.80	3.284	2.3370E+01	34.78	.316
2.9183E+01	2.68	1.201	2.5002E+01	-3.40	2.953	2.3335E+01	32.79	.350
2.9143E+01	2.36	1.466	2.4965E+01	.75	10.803	2.3299E+01	27.37	.432
2.9104E+01	2.52	1.411	2.4928E+01	2.54	3.753	2.3263E+01	23.71	.479
2.9064E+01	3.76	.865	2.4892E+01	-.79	13.236	2.3228E+01	26.85	.441
2.9024E+01	4.18	.845	2.4855E+01	-3.09	2.651	2.3192E+01	34.56	.356
2.8984E+01	3.90	.939	2.4818E+01	-3.67	2.614	2.3157E+01	44.21	.269
2.8945E+01	4.16	.800	2.4781E+01	-3.36	3.166	2.3121E+01	53.55	.235
2.8905E+01	3.87	.923	2.4745E+01	-3.66	2.287	2.3086E+01	62.81	.211
2.8865E+01	3.58	1.031	2.4708E+01	-3.70	2.615	2.3050E+01	80.59	.165
2.8826E+01	4.26	.787	2.4671E+01	-4.64	2.370	2.3015E+01	118.68	.123
2.8786E+01	3.78	.967	2.4635E+01	.34	25.612	2.2980E+01	176.96	.103
2.8747E+01	3.30	1.161	2.4598E+01	2.77	3.536	2.2944E+01	260.37	.086
2.8707E+01	4.70	.738	2.4562E+01	3.37	3.289	2.2909E+01	365.99	.080
2.8668E+01	4.74	.793	2.4525E+01	3.21	2.785	2.2874E+01	463.67	.073
2.8628E+01	3.47	1.123	2.4489E+01	3.90	2.629	2.2838E+01	520.57	.066
2.8589E+01	3.47	1.002	2.4452E+01	4.44	2.661	2.2803E+01	500.29	.066
2.8549E+01	2.09	1.814	2.4415E+01	.08	109.064	2.2768E+01	414.61	.082
2.8510E+01	-.48	8.272	2.4379E+01	-4.50	2.293	2.2733E+01	311.95	.103
2.8471E+01	-.13	28.251	2.4343E+01	-7.01	1.688	2.2698E+01	221.80	.103
2.8431E+01	1.54	2.497	2.4306E+01	-7.68	1.204	2.2663E+01	146.32	.126
2.8392E+01	2.81	1.444	2.4270E+01	-4.05	2.558	2.2627E+01	88.33	.176
2.8352E+01	4.01	.899	2.4234E+01	.22	54.434	2.2592E+01	54.63	.258
2.8313E+01	2.84	1.390	2.4197E+01	-.74	12.972	2.2557E+01	39.79	.361
2.8274E+01	-.20	20.466	2.4161E+01	-1.68	6.396	2.2522E+01	33.34	.430

E(EV)	S(8)	DS/S	E(EV)	S(8)	DS/S	E(EV)	S(8)	DS/S
2.2487E+01	29.05	.501	2.1621E+01	44.64	.528	2.0773E+01	56.80	.603
2.2452E+01	21.20	.736	2.1587E+01	45.09	.456	2.0739E+01	61.39	.559
2.2417E+01	15.76	.925	2.1553E+01	43.42	.516	2.0706E+01	45.86	.869
2.2383E+01	15.48	.934	2.1519E+01	43.43	.581	2.0672E+01	54.55	.564
2.2348E+01	17.31	.877	2.1485E+01	44.22	.477	2.0638E+01	65.77	.495
2.2313E+01	19.12	.796	2.1450E+01	40.18	.573	2.0605E+01	58.04	.685
2.2278E+01	18.52	.799	2.1416E+01	29.55	.890	2.0572E+01	62.72	.486
2.2243E+01	17.65	.879	2.1382E+01	18.26	1.206	2.0538E+01	66.58	.491
2.2208E+01	16.89	.964	2.1348E+01	14.24	1.675	2.0505E+01	69.53	.590
2.2174E+01	16.52	1.180	2.1314E+01	17.86	1.531	2.0471E+01	71.09	.450
2.2139E+01	17.54	.934	2.1280E+01	26.76	.879	2.0438E+01	76.81	.448
2.2104E+01	18.92	.879	2.1246E+01	36.07	.707	2.0404E+01	91.14	.466
2.2070E+01	19.02	.837	2.1212E+01	46.85	.633	2.0371E+01	84.86	.385
2.2035E+01	16.71	1.029	2.1178E+01	53.50	.459	2.0338E+01	73.08	.486
2.2000E+01	16.85	1.021	2.1144E+01	66.26	.406	2.0305E+01	69.12	.642
2.1966E+01	22.32	.730	2.1110E+01	80.82	.392	2.0271E+01	74.12	.464
2.1931E+01	26.64	.643	2.1076E+01	75.99	.339	2.0238E+01	80.46	.451
2.1897E+01	26.54	.665	2.1042E+01	70.14	.384	2.0205E+01	94.80	.492
2.1862E+01	25.66	.654	2.1009E+01	69.28	.474	2.0172E+01	98.93	.370
2.1828E+01	29.61	.605	2.0975E+01	69.79	.522	2.0139E+01	96.16	.416
2.1793E+01	33.76	.546	2.0941E+01	71.82	.465	2.0106E+01	102.92	.499
2.1759E+01	33.57	.518	2.0907E+01	73.37	.539	2.0073E+01	91.47	.424
2.1725E+01	34.36	.538	2.0874E+01	81.22	.456	2.0040E+01	81.36	.515
2.1690E+01	39.50	.489	2.0840E+01	81.36	.492	2.0007E+01	102.42	.739
2.1656E+01	45.87	.474	2.0806E+01	60.29	.791	0.	0.00	0.000

APPENDIX VII

CAPTURE CROSS SECTION OF 246CM

E(EV)	S(B)	DS/S	E(EV)	S(B)	DS/S	E(EV)	S(B)	DS/S
3.8212E+02	117.35	.295	2.8011E+02	-5.15	7.236	9.2680E+01	8.92	2.200
3.8197E+02	136.91	.234	2.7937E+02	-.22	169.261	9.2539E+01	25.41	1.106
3.8182E+02	161.26	.282	2.7876E+02	21.22	2.120	9.2397E+01	63.29	.435
3.8151E+02	124.48	.313	2.7814E+02	45.20	.819	9.2255E+01	148.20	.220
3.8135E+02	111.35	.341	2.7753E+02	16.41	2.269	9.2184E+01	213.51	.119
3.8120E+02	106.26	.508	2.7692E+02	2.57	14.212	9.2043E+01	409.99	.091
3.8089E+02	112.74	.457	0.	0.00	0.000	9.1901E+01	476.22	.088
3.8074E+02	78.26	.582	0.	0.00	0.000	9.1831E+01	473.29	.078
3.8058E+02	59.58	1.078	2.5132E+02	32.88	1.475	9.1689E+01	430.18	.087
3.8028E+02	27.26	2.052	2.5086E+02	84.97	.579	9.1548E+01	329.92	.106
3.8013E+02	22.67	2.269	2.5027E+02	51.22	.582	9.1407E+01	194.10	.145
3.7997E+02	9.63	5.059	2.4969E+02	18.91	1.689	9.1337E+01	164.39	.130
3.7982E+02	-7.35	5.187	2.4911E+02	21.68	1.422	9.1196E+01	121.45	.222
3.7967E+02	-18.75	2.532	2.4865E+02	23.17	1.406	9.1055E+01	109.67	.259
0.	0.00	0.000	2.4807E+02	21.31	1.373	9.0985E+01	110.49	.171
3.1374E+02	12.37	3.167	2.4760E+02	14.23	2.635	9.0845E+01	112.51	.240
3.1360E+02	9.95	4.663	2.4702E+02	5.82	4.775	9.0704E+01	101.98	.275
3.1334E+02	122.30	.543	2.4644E+02	13.61	2.651	9.0564E+01	80.92	.321
3.1321E+02	124.95	.444	2.4598E+02	3.65	7.995	9.0494E+01	70.54	.256
3.1308E+02	122.63	.410	2.4541E+02	2.02	12.754	9.0353E+01	56.77	.455
3.1295E+02	69.72	.732	2.4494E+02	3.27	8.396	9.0213E+01	50.11	.536
3.1282E+02	34.57	1.498	0.	0.00	0.000	9.0143E+01	46.68	.369
3.1256E+02	16.44	3.201	0.	0.00	0.000	9.0003E+01	36.86	.667
3.1243E+02	16.89	2.009	1.5925E+02	1.75	15.136	8.9863E+01	26.73	.944
3.1230E+02	26.36	1.052	1.5898E+02	29.03	1.299	8.9724E+01	18.56	1.364
3.1217E+02	38.04	.724	1.5870E+02	120.57	.478	8.9654E+01	23.35	.754
0.	0.00	0.000	1.5842E+02	207.81	.172	8.9514E+01	4.56	6.657
2.9081E+02	13.04	3.516	1.5814E+02	222.73	.130	8.9375E+01	-22.19	1.163
2.9018E+02	8.06	4.560	1.5786E+02	219.90	.153	8.9305E+01	-4.14	3.907
2.8943E+02	8.88	4.702	1.5758E+02	163.18	.160	8.9166E+01	-17.61	1.679
2.8880E+02	34.90	1.568	1.5731E+02	124.55	.267	8.9096E+01	-4.66	3.709
2.8818E+02	93.06	.761	1.5703E+02	76.14	.330	8.8957E+01	6.90	3.587
2.8743E+02	53.96	1.012	1.5675E+02	48.23	.449	8.8818E+01	26.15	1.215
2.8681E+02	61.70	1.014	1.5648E+02	42.21	.732	0.	-0.00	0.000
2.8606E+02	39.00	1.282	1.5620E+02	28.80	.737	8.4698E+01	220.00	.421
2.8543E+02	.08	496.338	1.5592E+02	11.11	2.798	8.4630E+01	287.79	.228
2.8481E+02	19.01	2.597	1.5565E+02	18.02	1.102	8.4495E+01	487.44	.233
2.8407E+02	24.12	1.657	1.5537E+02	29.07	.821	8.4427E+01	435.97	.183
2.8345E+02	10.98	3.775	1.5519E+02	2.46	8.043	8.4292E+01	269.20	.420
2.8283E+02	-9.07	4.413	1.5501E+02	2.62	9.112	8.4156E+01	83.67	1.395
2.8209E+02	4.31	8.985	0.	0.00	0.000	8.4021E+01	-43.90	2.722
2.8134E+02	5.46	7.478	9.2893E+01	19.19	1.447	8.3954E+01	-91.57	.892
2.8073E+02	-1.32	27.636	9.2751E+01	-4.59	5.979	8.3818E+01	-162.79	.782

E(EV)	S(B)	OS/S	E(EV)	S(B)	OS/S	E(EV)	S(B)	DS/S
8.3751E+01	-185.35	.471	8.2474E+01	-249.01	.595	8.1273E+01	-134.07	.827
8.3616E+01	-192.54	.700	8.2407E+01	-249.33	.401	8.1207E+01	-127.59	.575
8.3549E+01	-218.37	.421	8.2273E+01	-247.17	.590	8.1008E+01	-98.36	.976
8.3414E+01	-253.11	.552	8.2206E+01	-240.89	.407	8.0941E+01	-96.39	.649
8.3347E+01	-259.96	.368	8.2073E+01	-221.58	.639	8.0809E+01	-67.09	1.219
8.3212E+01	-277.02	.524	8.2006E+01	-218.16	.435	8.0743E+01	-69.45	.767
8.3145E+01	-280.40	.354	8.1873E+01	-197.38	.691	8.0610E+01	-48.17	1.408
8.3011E+01	-283.14	.520	8.1806E+01	-193.37	.471	8.0544E+01	-44.39	.971
8.2876E+01	-282.04	.531	8.1673E+01	-183.23	.705	8.0412E+01	-27.06	1.910
8.2809E+01	-282.26	.358	8.1606E+01	-175.31	.493	8.0346E+01	-34.73	.972
8.2675E+01	-273.03	.545	8.1473E+01	-163.29	.738	8.0213E+01	-2.46	13.831
8.2608E+01	-268.60	.376	8.1406E+01	-158.15	.506	8.0148E+01	-5.30	3.980

APPENDIX VIII

CAPTURE CROSS SECTION OF 248CM

E(EV)	S(B)	DS/S	E(EV)	S(B)	DS/S	E(EV)	S(B)	DS/S
1.0024E+02	135.27	3.807	7.5202E+01	713.92	.703	2.6650E+01	2084.70	.305
1.0016E+02	30.11	19.469	7.5138E+01	686.56	.503	2.6612E+01	1551.70	.402
1.0002E+02	71.73	12.750	7.5074E+01	644.57	.527	2.6574E+01	1315.50	.458
9.9871E+01	186.80	6.468	7.5010E+01	589.10	.555	2.6536E+01	1218.30	.503
9.9723E+01	-82.26	17.096	7.4883E+01	454.75	1.184	2.6498E+01	1158.20	.524
9.9576E+01	-383.79	4.197	7.4819E+01	406.93	.921	2.6460E+01	1066.50	.554
9.9429E+01	-3.64	371.081	7.4692E+01	328.79	1.798	2.6422E+01	1029.90	.586
9.9356E+01	-62.95	26.044	7.4628E+01	304.94	1.138	2.6385E+01	1143.50	.559
9.9135E+01	220.99	6.809	7.4501E+01	346.71	1.488	2.6347E+01	1263.90	.571
9.9062E+01	393.32	4.551	7.4437E+01	319.99	1.003	2.6309E+01	1156.20	.643
9.8915E+01	-57.34	35.684	7.4373E+01	260.65	1.162	2.6271E+01	916.29	.742
9.8769E+01	696.69	2.895	7.4246E+01	226.93	2.072	2.6233E+01	860.89	.768
9.8622E+01	912.66	2.164	7.4183E+01	230.61	1.501	2.6195E+01	884.15	.750
9.8476E+01	1169.80	1.236	7.4056E+01	207.71	2.182	2.6158E+01	811.93	.798
9.8403E+01	1187.10	1.402	0.	0.00	0.000	2.6120E+01	733.63	.813
9.8257E+01	1297.60	1.331	0.	0.00	0.000	2.6082E+01	782.88	.752
9.8110E+01	939.52	1.630	2.7611E+01	103.04	6.708	2.6045E+01	896.55	.624
9.7965E+01	479.69	2.100	2.7572E+01	484.75	1.408	2.6007E+01	987.22	.567
9.7892E+01	391.50	2.763	2.7533E+01	471.07	1.404	2.5969E+01	1009.20	.582
9.7673E+01	32.77	18.755	2.7495E+01	511.65	1.349	2.5932E+01	929.87	.601
9.7600E+01	-32.63	18.981	2.7456E+01	828.96	.846	2.5894E+01	791.16	.730
7.7068E+01	-91.57	2.245	2.7417E+01	730.95	.921	2.5857E+01	633.98	.971
7.7003E+01	-168.46	1.482	2.7379E+01	497.16	1.412	2.5819E+01	554.81	1.064
7.6938E+01	-240.51	1.074	2.7340E+01	506.15	1.416	2.5782E+01	694.53	.898
7.6809E+01	-232.02	1.708	2.7302E+01	482.69	1.417	2.5744E+01	903.83	.718
7.6744E+01	-155.37	1.909	2.7263E+01	689.42	1.035	2.5707E+01	1052.80	.587
7.6615E+01	-179.86	2.574	2.7225E+01	847.03	.862	2.5670E+01	1089.80	.588
7.6551E+01	-67.24	4.564	2.7186E+01	945.58	.730	2.5632E+01	1035.90	.666
7.6422E+01	16.68	28.346	2.7148E+01	937.51	.789	2.5595E+01	911.48	.742
7.6357E+01	113.63	3.176	2.7109E+01	986.19	.831	2.5558E+01	813.27	.968
7.6229E+01	540.93	1.159	2.7071E+01	1447.20	.569	2.5520E+01	830.04	1.265
7.6164E+01	795.23	.446	2.7032E+01	2217.50	.348	2.5483E+01	832.08	1.384
7.6036E+01	1725.20	.345	2.6994E+01	3320.50	.208	2.5446E+01	844.60	1.304
7.5971E+01	1571.70	.255	2.6956E+01	4599.80	.155	2.5409E+01	796.91	1.294
7.5907E+01	1482.50	.232	2.6918E+01	5550.10	.128	2.5372E+01	800.68	1.216
7.5779E+01	1182.40	.463	2.6879E+01	5921.10	.123	2.5334E+01	1067.40	.893
7.5715E+01	1144.80	.312	2.6841E+01	5563.40	.129	2.5297E+01	667.24	1.402
7.5586E+01	811.48	.649	2.6803E+01	4882.90	.139	2.5260E+01	493.30	2.073
7.5522E+01	737.69	.470	2.6765E+01	4195.30	.160	2.5223E+01	396.09	3.551
7.5394E+01	642.37	.782	2.6726E+01	3442.10	.193	0.	0.00	0.000
7.5330E+01	570.71	.656	2.6688E+01	2723.10	.236	0.	0.00	0.000