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Fission Cross Section of  $^{249}\text{Cf}$  from Physics-8,  
Table of Values



**Los Alamos**  
**scientific laboratory**

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LOS ALAMOS, NEW MEXICO 87544



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# Fission Cross Section of $^{249}\text{Cf}$ from Physics-8, Table of Values

by

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FISSION CROSS SECTION OF  $^{249}\text{Cf}$  FROM PHYSICS-8,

TABLE OF VALUES

by

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and

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ABSTRACT

The fission cross section of  $^{249}\text{Cf}$ , measured with a  $90^\circ$  detector and utilizing the underground nuclear explosion, Physics-8, as a neutron source, is presented in tabular form. Data cover the range from 13 eV to 3 MeV.

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Among the measurements carried out on the Physics-8 nuclear explosion was a neutron time-of-flight determination of the fission cross section of  $^{249}\text{Cf}$ . The 100- $\mu\text{g}$  sample was prepared and assayed at LLL. A silicon semiconductor fission-fragment detector at  $90^\circ$  to the neutron beam measured the signal due to  $^{249}\text{Cf}(n,f)$ , while similar detectors viewing  $^{235}\text{U}$  and  $^6\text{Li}$  samples determined the neutron flux. Experimental details are given in Ref. 1.

Table I lists the values of neutron energy,  $E$ , fission cross section,  $S$ , and overall fractional error (standard deviation). The overall error includes a  $\pm 6\%$  systematic error, relative to the reference cross sections  $^{235}\text{U}(n,f)$  and  $^6\text{Li}(n,\alpha t)$ , which has been combined quadratically with the nonsystematic error at each point.

REFERENCE

1. M. G. Silbert, Phys. Rev., to be published.

TABLE I  
FISSION CROSS SECTION OF CF 249

E (EV)	S(B)	DS/S	E (EV)	S(B)	DS/S	E (EV)	S(B)	DS/S
2.9135E+06	1.86	.098	3.0559E+05	1.81	.097	1.0880E+05	2.29	.107
2.6498E+06	1.89	.112	2.9621E+05	1.86	.099	1.0678E+05	2.28	.109
2.4203E+06	1.94	.112	2.8724E+05	1.87	.084	1.0483E+05	2.22	.097
2.2195E+06	1.92	.098	2.7868E+05	1.86	.098	1.0292E+05	2.17	.099
2.0426E+06	1.84	.086	2.7050E+05	1.89	.085	1.0107E+05	2.19	.101
1.8861E+06	1.78	.095	2.6267E+05	1.91	.083	9.9267E+04	2.22	.099
1.7469E+06	1.72	.089	2.5518E+05	1.92	.086	9.7512E+04	2.03	.106
1.6226E+06	1.65	.077	2.4800E+05	1.90	.094	9.5803E+04	2.06	.106
1.5111E+06	1.62	.086	2.4113E+05	1.88	.099	9.4139E+04	2.10	.101
1.4107E+06	1.56	.090	2.3453E+05	1.94	.112	9.2518E+04	2.09	.116
1.3200E+06	1.54	.078	2.2820E+05	1.93	.098	9.0938E+04	2.12	.108
1.2378E+06	1.51	.086	2.2213E+05	2.00	.110	8.9398E+04	2.21	.093
1.1630E+06	1.44	.095	2.1629E+05	2.06	.109	8.7897E+04	2.53	.106
1.0948E+06	1.39	.103	2.1068E+05	1.95	.092	8.6434E+04	2.62	.161
1.0324E+06	1.38	.110	2.0529E+05	2.05	.108	8.5006E+04	2.72	.154
9.7523E+05	1.36	.089	2.0010E+05	2.02	.090	8.3614E+04	2.79	.129
9.2266E+05	1.36	.089	1.9510E+05	2.13	.100	8.2256E+04	2.40	.108
8.7424E+05	1.39	.097	1.9029E+05	2.10	.105	8.0931E+04	2.30	.118
8.2953E+05	1.40	.089	1.8566E+05	2.12	.092	7.9637E+04	2.48	.111
7.8816E+05	1.43	.097	1.8119E+05	2.11	.089	7.8374E+04	2.57	.163
7.4982E+05	1.47	.080	1.7688E+05	2.01	.094	7.7141E+04	2.75	.149
7.1421E+05	1.48	.087	1.7272E+05	2.07	.101	7.5937E+04	2.77	.151
6.8107E+05	1.51	.091	1.6871E+05	2.04	.152	7.4761E+04	2.73	.141
6.5019E+05	1.48	.087	1.6484E+05	2.02	.174	7.3611E+04	2.68	.150
6.2136E+05	1.51	.078	1.6110E+05	1.94	.136	7.2489E+04	2.64	.139
5.9441E+05	1.53	.092	1.5748E+05	2.02	.104	7.1391E+04	2.59	.107
5.6918E+05	1.50	.085	1.5399E+05	2.02	.102	7.0319E+04	2.51	.118
5.4552E+05	1.57	.129	1.5061E+05	2.12	.116	6.9270E+04	2.53	.134
5.2330E+05	1.52	.084	1.4734E+05	2.15	.111	6.8245E+04	2.54	.124
5.0241E+05	1.57	.093	1.4417E+05	2.24	.118	6.7242E+04	2.54	.104
4.8275E+05	1.60	.097	1.4111E+05	2.48	.120	6.6262E+04	2.46	.117
4.6423E+05	1.62	.095	1.3814E+05	2.39	.098	6.5302E+04	2.43	.117
4.4675E+05	1.63	.094	1.3527E+05	2.36	.099	6.4363E+04	2.39	.127
4.3023E+05	1.61	.094	1.3248E+05	2.31	.102	6.3445E+04	2.47	.119
4.1462E+05	1.61	.086	1.2978E+05	2.24	.118	6.2545E+04	2.49	.106
3.9984E+05	1.65	.080	1.2716E+05	2.11	.111	6.1665E+04	2.38	.111
3.8584E+05	1.67	.090	1.2462E+05	2.08	.098	6.0804E+04	2.38	.116
3.7256E+05	1.66	.094	1.2216E+05	2.25	.114	5.9960E+04	2.37	.112
3.5996E+05	1.65	.083	1.1977E+05	2.33	.104	5.9134E+04	2.31	.102
3.4798E+05	1.65	.085	1.1744E+05	2.33	.116	5.8324E+04	2.29	.119
3.3659E+05	1.71	.098	1.1519E+05	2.34	.098	5.7531E+04	2.34	.128
3.2575E+05	1.79	.108	1.1300E+05	2.37	.101	5.6755E+04	2.30	.116
3.1543E+05	1.80	.094	1.1087E+05	2.39	.098	5.5993E+04	2.36	.111

E (EV)	S (B)	DS/S	E (EV)	S (B)	DS/S	E (EV)	S (B)	DS/S
5.5247E+04	2.36	.111	3.2320E+04	2.88	.149	2.1186E+04	3.05	.138
5.4516E+04	2.42	.117	3.1992E+04	2.77	.137	2.1011E+04	2.92	.149
5.3799E+04	2.48	.146	3.1669E+04	2.67	.125	2.0839E+04	2.84	.162
5.3097E+04	2.48	.146	3.1351E+04	2.77	.130	2.0669E+04	2.78	.167
5.2408E+04	2.50	.125	3.1038E+04	2.79	.132	2.0501E+04	2.80	.159
5.1732E+04	2.67	.113	3.0729E+04	2.91	.136	2.0335E+04	2.94	.158
5.1069E+04	2.55	.111	3.0425E+04	3.01	.134	2.0172E+04	3.17	.152
5.0419E+04	2.69	.109	3.0126E+04	2.89	.125	2.0010E+04	3.19	.136
4.9782E+04	2.60	.118	2.9830E+04	2.88	.143	1.9850E+04	3.07	.136
4.9156E+04	2.48	.139	2.9540E+04	3.07	.129	1.9692E+04	3.01	.169
4.8542E+04	2.50	.135	2.9253E+04	2.80	.156	1.9535E+04	2.90	.174
4.7939E+04	2.61	.120	2.8971E+04	2.99	.138	1.9381E+04	2.83	.163
4.7348E+04	2.53	.156	2.8692E+04	2.89	.131	1.9228E+04	2.94	.147
4.6768E+04	2.68	.131	2.8418E+04	3.02	.127	1.9078E+04	2.83	.174
4.6198E+04	2.60	.125	2.8147E+04	2.97	.136	1.8929E+04	2.76	.189
4.5638E+04	2.60	.141	2.7881E+04	2.88	.131	1.8782E+04	2.76	.150
4.5089E+04	2.56	.154	2.7618E+04	2.76	.151	1.8636E+04	2.81	.151
4.4549E+04	2.46	.149	2.7359E+04	2.77	.150	1.8492E+04	3.00	.158
4.4019E+04	2.38	.142	2.71C3E+04	2.99	.136	1.8350E+04	3.05	.148
4.3499E+04	2.46	.148	2.6851E+04	2.89	.140	1.8210E+04	3.28	.135
4.2987E+04	2.37	.144	2.6603E+04	2.90	.174	1.8071E+04	3.26	.135
4.2485E+04	2.48	.132	2.6358E+04	2.93	.173	1.7933E+04	3.16	.183
4.1991E+04	2.62	.130	2.6116E+04	2.92	.146	1.7797E+04	3.18	.183
4.1506E+04	2.78	.142	2.5878E+04	2.84	.139	1.7663E+04	3.22	.140
4.1029E+04	2.84	.176	2.5642E+04	2.83	.134	1.7530E+04	3.17	.140
4.0561E+04	2.88	.124	2.5411E+04	2.76	.166	1.7399E+04	3.14	.144
4.0100E+04	2.75	.157	2.5182E+04	2.79	.177	1.7269E+04	2.99	.126
3.9647E+04	2.65	.137	2.4956E+04	2.75	.161	1.7141E+04	3.08	.150
3.9202E+04	2.58	.133	2.4733E+04	2.87	.154	1.7014E+04	3.17	.143
3.8765E+04	2.65	.125	2.4514E+04	2.72	.138	1.6889E+04	3.15	.146
3.8334E+04	2.73	.131	2.4297E+04	2.84	.129	1.6765E+04	2.90	.216
3.7911E+04	2.53	.136	2.4083E+04	2.99	.141	1.6642E+04	3.26	.166
3.7495E+04	2.56	.146	2.3872E+04	2.96	.136	1.6520E+04	3.23	.192
3.7085E+04	2.46	.152	2.3663E+04	3.15	.126	1.6400E+04	3.25	.161
3.6682E+04	2.45	.148	2.3458E+04	3.17	.127	1.6282E+04	3.06	.186
3.6286E+04	2.73	.157	2.3255E+04	3.25	.132	1.6164E+04	3.16	.197
3.5896E+04	2.52	.159	2.3054E+04	3.20	.153	1.6048E+04	3.08	.155
3.5512E+04	2.77	.160	2.2857E+04	3.37	.123	1.5933E+04	3.25	.138
3.5135E+04	2.66	.156	2.2661E+04	3.09	.129	1.5819E+04	3.19	.162
3.4763E+04	2.74	.180	2.2469E+04	3.01	.147	1.5707E+04	3.03	.195
3.4398E+04	3.16	.231	2.2278E+04	3.02	.152	1.5595E+04	2.94	.154
3.4038E+04	3.37	.186	2.2090E+04	3.05	.165	1.5485E+04	3.02	.152
3.3683E+04	3.37	.182	2.19C5E+04	3.12	.173	1.5376E+04	3.21	.179
3.3335E+04	3.35	.138	2.1722E+04	3.09	.158	1.5268E+04	3.49	.169
3.2991E+04	3.19	.133	2.1541E+04	3.15	.157	1.5162E+04	3.60	.143
3.2653E+04	2.91	.134	2.1362E+04	2.92	.154	1.5056E+04	3.66	.180

E (EV)	S (B)	DS/S	E (EV)	S (B)	DS/S	E (EV)	S (B)	DS/S
1.4951E+04	3.29	.158	1.1113E+04	3.58	.172	8.5832E+03	3.22	.213
1.4848E+04	3.41	.192	1.1047E+04	3.97	.163	8.5382E+03	3.68	.205
1.4746E+04	3.70	.176	1.0981E+04	3.91	.196	8.4935E+03	3.92	.214
1.4644E+04	3.56	.155	1.0916E+04	3.89	.173	8.4492E+03	3.98	.159
1.4544E+04	3.48	.153	1.0851E+04	3.68	.179	8.4052E+03	4.12	.171
1.4445E+04	3.58	.163	1.0787E+04	3.64	.168	8.3615E+03	4.40	.206
1.4347E+04	3.54	.167	1.0724E+04	3.72	.152	8.3182E+03	5.07	.183
1.4249E+04	3.83	.147	1.0661E+04	3.89	.156	8.2752E+03	4.74	.162
1.4153E+04	3.67	.159	1.0599E+04	3.83	.169	8.2326E+03	4.58	.151
1.4058E+04	3.42	.166	1.0537E+04	3.92	.154	8.1903E+03	4.92	.189
1.3964E+04	3.62	.180	1.0476E+04	3.73	.153	8.1483E+03	4.64	.189
1.3870E+04	3.96	.184	1.0415E+04	3.57	.166	8.1067E+03	4.72	.147
1.3778E+04	4.01	.140	1.0355E+04	3.62	.157	8.0653E+03	4.69	.186
1.3686E+04	4.06	.157	1.0295E+04	3.59	.175	8.0243E+03	4.60	.197
1.3596E+04	3.96	.183	1.0236E+04	3.79	.185	7.9836E+03	4.43	.158
1.3506E+04	3.83	.143	1.0177E+04	4.03	.156	7.9432E+03	4.63	.154
1.3417E+04	3.87	.150	1.0119E+04	4.28	.148	7.9031E+03	4.63	.153
1.3329E+04	3.90	.188	1.0062E+04	4.13	.193	7.8633E+03	4.16	.171
1.3242E+04	3.97	.167	1.0004E+04	4.12	.188	7.8238E+03	3.29	.187
1.3156E+04	3.90	.145	9.9478E+03	4.15	.159	7.7846E+03	3.46	.169
1.3071E+04	3.65	.171	9.8916E+03	4.03	.148	7.7457E+03	3.83	.160
1.2986E+04	3.38	.167	9.8359E+03	4.15	.147	7.7070E+03	3.97	.158
1.2902E+04	3.46	.149	9.7807E+03	3.62	.159	7.6687E+03	3.87	.209
1.2819E+04	3.38	.150	9.7259E+03	3.47	.185	7.6307E+03	3.87	.224
1.2737E+04	3.46	.150	9.6716E+03	3.55	.214	7.5929E+03	4.50	.165
1.2656E+04	3.40	.151	9.6177E+03	3.67	.206	7.5554E+03	4.19	.159
1.2575E+04	3.47	.156	9.5643E+03	3.71	.163	7.5182E+03	4.39	.182
1.2496E+04	3.34	.199	9.5114E+03	4.33	.146	7.4813E+03	4.57	.199
1.2416E+04	3.33	.184	9.4588E+03	3.81	.172	7.4446E+03	4.71	.173
1.2338E+04	3.40	.153	9.4067E+03	4.19	.196	7.4083E+03	4.49	.159
1.2261E+04	3.67	.147	9.3551E+03	3.83	.205	7.3721E+03	4.70	.151
1.2184E+04	3.67	.152	9.3038E+03	3.89	.158	7.3363E+03	4.59	.152
1.2108E+04	3.56	.204	9.2530E+03	3.68	.153	7.3007E+03	4.49	.152
1.2032E+04	3.78	.145	9.2026E+03	3.36	.167	7.2654E+03	3.89	.172
1.1958E+04	3.79	.193	9.1526E+03	3.62	.184	7.2303E+03	3.77	.167
1.1884E+04	3.78	.189	9.1030E+03	3.91	.156	7.1954E+03	3.81	.162
1.1810E+04	3.83	.145	9.0539E+03	4.11	.176	7.1609E+03	3.47	.191
1.1738E+04	4.02	.162	9.0051E+03	4.01	.204	7.1265E+03	3.79	.197
1.1666E+04	4.02	.188	8.9567E+03	3.97	.198	7.0924E+03	4.51	.154
1.1594E+04	4.10	.168	8.9087E+03	3.83	.187	7.0586E+03	4.59	.153
1.1524E+04	4.09	.157	8.8611E+03	3.68	.181	7.0250E+03	4.51	.168
1.1454E+04	4.04	.140	8.8138E+03	3.74	.183	6.9916E+03	4.42	.206
1.1384E+04	3.82	.190	8.7670E+03	3.49	.175	6.9585E+03	4.21	.165
1.1315E+04	3.47	.189	8.7205E+03	3.01	.227	6.9256E+03	4.20	.189
1.1247E+04	3.04	.212	8.6743E+03	3.27	.217	6.8930E+03	4.01	.208
1.1180E+04	3.41	.202	8.6286E+03	3.34	.172	6.8606E+03	3.98	.189

E (EV)	S (B)	DS/S	E (EV)	S (B)	DS/S	E (EV)	S (B)	DS/S
6.8284E+03	3.85	.215	5.5615E+03	3.89	.185	4.6170E+03	4.98	.202
6.7964E+03	3.69	.210	5.5380E+03	4.44	.156	4.5993E+03	5.48	.203
6.7646E+03	3.17	.202	5.5146E+03	4.60	.168	4.5816E+03	4.81	.225
6.7331E+03	3.62	.169	5.4914E+03	4.62	.199	4.5640E+03	5.29	.155
6.7018E+03	3.46	.175	5.4683E+03	4.59	.170	4.5465E+03	5.12	.157
6.6707E+03	3.43	.229	5.4454E+03	4.71	.161	4.5291E+03	4.60	.173
6.6399E+03	4.01	.215	5.4226E+03	4.14	.229	4.5119E+03	4.25	.183
6.6092E+03	3.96	.186	5.4000E+03	4.40	.203	4.4947E+03	4.94	.166
6.5788E+03	3.50	.194	5.3775E+03	3.94	.204	4.4776E+03	5.07	.189
6.5485E+03	3.76	.189	5.3552E+03	4.33	.167	4.4606E+03	5.07	.210
6.5185E+03	4.51	.183	5.3330E+03	4.39	.224	4.4437E+03	4.96	.179
6.4887E+03	4.56	.201	5.3109E+03	4.69	.169	4.4269E+03	4.52	.170
6.4591E+03	4.28	.214	5.2889E+03	5.11	.156	4.4102E+03	4.43	.187
6.4296E+03	4.26	.173	5.2671E+03	5.39	.159	4.3936E+03	3.95	.217
6.4004E+03	3.97	.192	5.2455E+03	6.10	.187	4.3771E+03	3.81	.203
6.3714E+03	4.29	.226	5.2239E+03	5.66	.148	4.3607E+03	4.15	.177
6.3426E+03	4.27	.202	5.2025E+03	4.95	.285	4.3444E+03	5.01	.157
6.3140E+03	4.50	.152	5.1813E+03	5.79	.191	4.3281E+03	4.92	.189
6.2855E+03	4.23	.176	5.1601E+03	5.62	.149	4.3120E+03	5.65	.198
6.2573E+03	4.36	.215	5.1391E+03	5.89	.193	4.2960E+03	3.83	.216
6.2293E+03	4.43	.184	5.1182E+03	5.92	.147	4.2800E+03	4.14	.164
6.2014E+03	4.91	.199	5.0975E+03	5.24	.165	4.2641E+03	4.14	.179
6.1737E+03	4.85	.211	5.0769E+03	5.48	.201	4.2483E+03	5.17	.217
6.1462E+03	4.77	.165	5.0564E+03	5.09	.194	4.2326E+03	5.50	.182
6.1189E+03	5.00	.199	5.0360E+03	4.82	.165	4.2170E+03	6.31	.140
6.0918E+03	4.99	.149	5.0157E+03	5.24	.199	4.2015E+03	5.45	.177
6.0649E+03	4.56	.213	4.9956E+03	4.97	.159	4.1860E+03	5.73	.187
6.0381E+03	4.67	.200	4.9756E+03	5.10	.184	4.1707E+03	5.45	.194
6.0115E+03	4.80	.161	4.9557E+03	5.01	.208	4.1554E+03	5.63	.175
5.9851E+03	4.78	.160	4.9359E+03	5.04	.167	4.1402E+03	5.37	.166
5.9589E+03	4.80	.173	4.9162E+03	5.35	.152	4.1251E+03	5.58	.172
5.9328E+03	5.01	.216	4.8967E+03	5.09	.209	4.1101E+03	5.26	.166
5.9069E+03	4.36	.259	4.8773E+03	4.85	.204	4.0952E+03	4.75	.180
5.8812E+03	4.96	.195	4.8580E+03	4.48	.278	4.0803E+03	4.45	.226
5.8556E+03	4.77	.179	4.8388E+03	4.57	.210	4.0655E+03	4.48	.187
5.8302E+03	4.80	.175	4.8197E+03	5.18	.165	4.0508E+03	5.53	.234
5.8050E+03	4.48	.190	4.8007E+03	4.74	.160	4.0362E+03	6.27	.251
5.7799E+03	4.31	.231	4.7819E+03	5.17	.172	4.0217E+03	5.71	.151
5.7550E+03	4.62	.158	4.7631E+03	4.59	.219	4.0072E+03	4.77	.248
5.7303E+03	4.64	.202	4.7445E+03	4.50	.220	3.9928E+03	4.38	.173
5.7057E+03	4.06	.194	4.7260E+03	4.63	.186	3.9785E+03	4.80	.214
5.6813E+03	3.72	.181	4.7075E+03	5.29	.190	3.9643E+03	6.50	.137
5.6570E+03	3.93	.222	4.6892E+03	5.91	.165	3.9501E+03	6.77	.233
5.6329E+03	3.54	.220	4.6710E+03	6.05	.178	3.9361E+03	8.10	.194
5.6089E+03	3.20	.208	4.6529E+03	6.18	.156	3.9221E+03	6.38	.203
5.5851E+03	3.63	.238	4.6349E+03	6.24	.157	3.9081E+03	7.21	.144



E (EV)	S (B)	DS/S	E (EV)	S (B)	CS/S	E (EV)	S (B)	DS/S
3.8943E+03	6.41	.152	3.3289E+03	5.42	.212	2.8782E+03	7.09	.217
3.8805E+03	6.63	.148	3.3180E+03	5.53	.219	2.8694E+03	8.07	.186
3.8668E+03	6.39	.160	3.3071E+03	5.55	.206	2.8607E+03	8.70	.192
3.8532E+03	6.24	.178	3.2963E+03	4.75	.208	2.8521E+03	9.59	.148
3.8396E+03	4.66	.178	3.2856E+03	4.35	.202	2.8434E+03	8.50	.142
3.8261E+03	4.75	.226	3.2749E+03	4.61	.207	2.8348E+03	6.95	.183
3.8127E+03	4.24	.223	3.2643E+03	5.73	.383	2.8263E+03	5.51	.171
3.7993E+03	4.72	.202	3.2537E+03	7.33	.168	2.8177E+03	4.59	.191
3.7861E+03	4.14	.201	3.2432E+03	6.72	.156	2.8092E+03	4.54	.228
3.7729E+03	3.96	.192	3.2327E+03	5.38	.170	2.8008E+03	5.91	.162
3.7597E+03	4.35	.170	3.2223E+03	4.50	.198	2.7924E+03	5.25	.199
3.7466E+03	3.81	.191	3.2119E+03	4.51	.175	2.7840E+03	6.00	.221
3.7336E+03	3.89	.213	3.2016E+03	4.37	.173	2.7757E+03	6.26	.203
3.7207E+03	4.31	.234	3.1913E+03	3.77	.191	2.7674E+03	7.90	.197
3.7078E+03	4.47	.212	3.1811E+03	3.89	.187	2.7591E+03	8.24	.142
3.6950E+03	4.50	.176	3.1709E+03	4.19	.179	2.7509E+03	7.03	.205
3.6823E+03	4.66	.230	3.1608E+03	3.95	.194	2.7427E+03	6.63	.223
3.6696E+03	5.50	.195	3.1507E+03	3.99	.255	2.7346E+03	6.39	.164
3.6570E+03	6.85	.181	3.1407E+03	6.35	.208	2.7265E+03	4.80	.242
3.6445E+03	7.63	.181	3.1307E+03	8.20	.181	2.7184E+03	4.22	.228
3.6320E+03	6.14	.152	3.1208E+03	6.24	.153	2.7104E+03	5.58	.190
3.6196E+03	5.56	.210	3.1109E+03	4.54	.210	2.7024E+03	5.78	.220
3.6072E+03	4.70	.237	3.1011E+03	4.84	.204	2.6944E+03	6.36	.187
3.5949E+03	4.99	.226	3.0912E+03	6.62	.171	2.6865E+03	6.11	.169
3.5827E+03	5.35	.160	3.0815E+03	9.56	.145	2.6786E+03	6.26	.168
3.5706E+03	5.03	.226	3.0718E+03	9.33	.136	2.6707E+03	7.10	.158
3.5585E+03	4.86	.214	3.0621E+03	8.91	.160	2.6629E+03	7.95	.219
3.5464E+03	5.23	.191	3.0525E+03	7.79	.174	2.6551E+03	9.33	.180
3.5345E+03	6.45	.166	3.0430E+03	8.00	.143	2.6473E+03	7.79	.197
3.5225E+03	5.88	.185	3.0334E+03	7.24	.164	2.6396E+03	7.63	.180
3.5107E+03	6.37	.207	3.0240E+03	7.60	.195	2.6319E+03	7.32	.183
3.4989E+03	6.66	.153	3.0145E+03	7.08	.186	2.6242E+03	7.33	.156
3.4871E+03	7.13	.164	3.0052E+03	7.12	.156	2.6166E+03	6.78	.161
3.4755E+03	6.64	.189	2.9958E+03	8.84	.172	2.6090E+03	6.76	.171
3.4639E+03	6.39	.178	2.9865E+03	7.65	.165	2.6015E+03	5.57	.183
3.4523E+03	6.75	.199	2.9773E+03	6.46	.154	2.5939E+03	5.42	.171
3.4408E+03	6.97	.192	2.9680E+03	4.97	.212	2.5864E+03	4.37	.209
3.4294E+03	6.84	.136	2.9589E+03	5.31	.225	2.5790E+03	4.28	.203
3.4180E+03	6.07	.174	2.9497E+03	4.95	.228	2.5716E+03	4.74	.211
3.4066E+03	5.51	.185	2.9407E+03	5.39	.176	2.5641E+03	4.97	.195
3.3954E+03	5.61	.162	2.9316E+03	4.94	.178	2.5568E+03	5.07	.277
3.3841E+03	5.32	.182	2.9226E+03	6.17	.153	2.5494E+03	6.07	.176
3.3730E+03	6.01	.162	2.9136E+03	7.59	.179	2.5421E+03	6.09	.174
3.3619E+03	5.80	.201	2.9047E+03	8.49	.139	2.5349E+03	6.38	.163
3.3508E+03	6.82	.159	2.8959E+03	8.10	.152	2.5276E+03	6.55	.230
3.3398E+03	5.80	.162	2.8870E+03	7.30	.142	2.5204E+03	5.27	.174

E (EV)	S(B)	DS/S	E (EV)	S(B)	DS/S	E (EV)	S(B)	DS/S
2.5132E+03	4.10	.207	2.2136E+03	8.21	.183	1.9644E+03	9.48	.177
2.5061E+03	4.81	.181	2.2077E+03	6.88	.202	1.9595E+03	8.23	.154
2.4990E+03	5.19	.191	2.2018E+03	5.89	.226	1.9546E+03	5.06	.260
2.4919E+03	4.76	.211	2.1959E+03	6.18	.198	1.9497E+03	5.33	.239
2.4849E+03	5.81	.184	2.1901E+03	5.35	.194	1.9448E+03	7.83	.166
2.4778E+03	6.45	.167	2.1843E+03	5.74	.168	1.9399E+03	8.71	.245
2.4708E+03	6.39	.176	2.1785E+03	6.63	.212	1.9351E+03	11.07	.146
2.4639E+03	8.34	.184	2.1727E+03	6.92	.325	1.9303E+03	10.34	.141
2.4569E+03	7.47	.171	2.1669E+03	8.25	.260	1.9254E+03	8.39	.154
2.4500E+03	6.65	.172	2.1612E+03	9.63	.159	1.9207E+03	7.37	.214
2.4431E+03	6.95	.186	2.1555E+03	8.88	.156	1.9159E+03	6.66	.211
2.4363E+03	6.74	.214	2.1499E+03	10.17	.253	1.9111E+03	6.89	.175
2.4295E+03	7.10	.154	2.1442E+03	7.73	.163	1.9064E+03	5.05	.321
2.4227E+03	6.31	.226	2.1386E+03	7.23	.167	1.9017E+03	3.84	.239
2.4159E+03	6.89	.157	2.1329E+03	7.10	.183	1.8970E+03	4.98	.275
2.4092E+03	6.13	.229	2.1274E+03	6.59	.192	1.8923E+03	6.42	.273
2.4025E+03	5.57	.167	2.1218E+03	7.20	.352	1.8876E+03	9.24	.168
2.3958E+03	4.16	.218	2.1162E+03	5.68	.379	1.8829E+03	8.26	.195
2.3891E+03	4.70	.163	2.1107E+03	4.67	.196	1.8783E+03	9.22	.197
2.3825E+03	4.84	.308	2.1052E+03	4.70	.195	1.8737E+03	11.32	.227
2.3759E+03	7.50	.163	2.0997E+03	6.12	.156	1.8691E+03	12.62	.177
2.3693E+03	8.74	.148	2.0943E+03	6.21	.193	1.8645E+03	8.53	.365
2.3628E+03	8.56	.153	2.0889E+03	5.92	.244	1.8599E+03	5.87	.172
2.3563E+03	7.59	.175	2.0834E+03	6.48	.170	1.8554E+03	5.48	.195
2.3498E+03	5.68	.197	2.0780E+03	7.51	.155	1.8508E+03	6.05	.221
2.3433E+03	4.78	.257	2.0727E+03	7.85	.169	1.8463E+03	4.52	.198
2.3369E+03	6.11	.188	2.0673E+03	8.99	.176	1.8418E+03	4.43	.191
2.3305E+03	7.96	.169	2.0620E+03	9.98	.136	1.8373E+03	5.44	.298
2.3241E+03	8.42	.165	2.0567E+03	8.57	.152	1.8329E+03	7.27	.311
2.3177E+03	9.00	.172	2.0514E+03	8.50	.157	1.8284E+03	9.94	.160
2.3114E+03	6.96	.202	2.0461E+03	7.91	.151	1.8240E+03	8.78	.207
2.3051E+03	6.50	.190	2.0408E+03	9.25	.151	1.8196E+03	10.72	.138
2.2988E+03	7.50	.158	2.0356E+03	9.73	.379	1.8152E+03	11.68	.178
2.2926E+03	7.43	.167	2.0304E+03	11.32	.157	1.8108E+03	10.19	.335
2.2864E+03	7.81	.204	2.0252E+03	12.03	.149	1.8064E+03	11.25	.227
2.2801E+03	9.05	.197	2.0201E+03	12.06	.131	1.8021E+03	12.25	.179
2.2740E+03	10.78	.168	2.0149E+03	10.92	.180	1.7977E+03	12.65	.145
2.2678E+03	11.54	.162	2.0098E+03	9.56	.157	1.7934E+03	10.52	.218
2.2617E+03	10.86	.173	2.0047E+03	9.64	.144	1.7891E+03	7.38	.275
2.2556E+03	11.86	.133	1.9996E+03	7.40	.178	1.7848E+03	6.60	.207
2.2495E+03	9.63	.150	1.9945E+03	7.91	.167	1.7805E+03	8.61	.176
2.2435E+03	8.50	.203	1.9894E+03	6.55	.228	1.7762E+03	9.05	.152
2.2374E+03	8.09	.229	1.9844E+03	5.80	.227	1.7720E+03	7.49	.190
2.2314E+03	9.11	.161	1.9794E+03	6.74	.175	1.7678E+03	6.99	.169
2.2254E+03	8.83	.222	1.9744E+03	8.09	.154	1.7635E+03	6.55	.235
2.2195E+03	8.64	.178	1.9694E+03	8.54	.283	1.7593E+03	7.09	.167

E (EV)	S(B)	DS/S	E (EV)	S(B)	DS/S	E (EV)	S(B)	DS/S
1.7552E+03	6.46	.205	1.5776E+03	6.72	.250	1.4257E+03	8.24	.187
1.7510E+03	6.52	.216	1.5741E+03	9.42	.173	1.4227E+03	7.83	.160
1.7468E+03	6.06	.239	1.5705E+03	8.97	.183	1.4196E+03	7.50	.166
1.7427E+03	6.92	.171	1.5670E+03	9.60	.156	1.4166E+03	6.70	.190
1.7386E+03	5.87	.213	1.5635E+03	10.57	.174	1.4135E+03	6.29	.249
1.7344E+03	7.80	.296	1.5599E+03	12.27	.176	1.4105E+03	7.08	.170
1.7303E+03	8.71	.187	1.5564E+03	11.26	.141	1.4075E+03	6.49	.186
1.7263E+03	8.04	.156	1.5530E+03	10.52	.161	1.4045E+03	6.23	.254
1.7222E+03	7.03	.184	1.5495E+03	8.67	.167	1.4015E+03	7.68	.196
1.7181E+03	6.54	.189	1.5460E+03	8.16	.266	1.3986E+03	7.29	.167
1.7141E+03	6.50	.187	1.5426E+03	7.85	.428	1.3956E+03	7.03	.171
1.7101E+03	4.96	.255	1.5392E+03	5.24	.196	1.3926E+03	6.07	.254
1.7061E+03	5.06	.212	1.5357E+03	5.82	.314	1.3897E+03	6.13	.240
1.7021E+03	4.47	.227	1.5323E+03	7.94	.212	1.3867E+03	6.05	.188
1.6981E+03	5.48	.261	1.5289E+03	10.54	.154	1.3838E+03	3.93	.238
1.6941E+03	6.03	.210	1.5255E+03	12.66	.145	1.3809E+03	1.83	.371
1.6901E+03	7.19	.194	1.5221E+03	13.66	.131	1.3780E+03	2.28	.281
1.6862E+03	6.95	.221	1.5188E+03	12.85	.180	1.3751E+03	2.26	.294
1.6823E+03	6.72	.213	1.5154E+03	11.87	.248	1.3722E+03	2.31	.332
1.6784E+03	5.24	.263	1.5121E+03	8.02	.167	1.3693E+03	3.83	.285
1.6744E+03	7.27	.339	1.5087E+03	8.11	.171	1.3664E+03	4.80	.211
1.6706E+03	5.15	.198	1.5054E+03	9.01	.173	1.3636E+03	5.86	.197
1.6667E+03	5.86	.219	1.5021E+03	10.32	.186	1.3607E+03	6.01	.198
1.6628E+03	5.68	.182	1.4988E+03	10.08	.196	1.3578E+03	7.68	.177
1.6590E+03	4.56	.269	1.4955E+03	8.89	.166	1.3550E+03	8.78	.197
1.6552E+03	6.39	.184	1.4922E+03	9.02	.288	1.3522E+03	9.03	.160
1.6513E+03	5.06	.208	1.4889E+03	7.70	.399	1.3494E+03	8.68	.166
1.6475E+03	7.81	.343	1.4857E+03	5.58	.199	1.3466E+03	8.41	.161
1.6437E+03	7.09	.166	1.4824E+03	6.78	.207	1.3438E+03	6.67	.177
1.6399E+03	6.17	.182	1.4792E+03	9.49	.269	1.3409E+03	5.00	.217
1.6362E+03	6.28	.242	1.4759E+03	10.52	.184	1.3382E+03	4.36	.281
1.6324E+03	6.63	.217	1.4727E+03	9.39	.194	1.3354E+03	3.14	.266
1.6287E+03	6.36	.176	1.4695E+03	7.38	.165	1.3326E+03	2.99	.247
1.6249E+03	5.32	.195	1.4663E+03	5.81	.250	1.3299E+03	4.21	.215
1.6212E+03	4.99	.216	1.4631E+03	7.07	.170	1.3271E+03	4.85	.206
1.6175E+03	3.23	.294	1.4600E+03	7.52	.167	1.3244E+03	5.28	.213
1.6138E+03	3.58	.232	1.4568E+03	8.49	.150	1.3216E+03	7.50	.170
1.6102E+03	4.25	.276	1.4537E+03	8.94	.237	1.3189E+03	9.80	.162
1.6065E+03	4.97	.256	1.4505E+03	11.76	.192	1.3162E+03	9.21	.208
1.6028E+03	5.08	.236	1.4474E+03	13.62	.159	1.3135E+03	10.68	.192
1.5992E+03	7.74	.180	1.4442E+03	13.60	.131	1.3108E+03	16.33	.149
1.5956E+03	6.72	.333	1.4411E+03	13.51	.130	1.3081E+03	8.70	.164
1.5919E+03	6.07	.184	1.4380E+03	11.26	.163	1.3054E+03	7.79	.166
1.5883E+03	4.93	.242	1.4349E+03	11.08	.140	1.3027E+03	6.05	.206
1.5848E+03	6.07	.181	1.4318E+03	10.68	.154	1.3001E+03	6.28	.230
1.5812E+03	6.00	.186	1.4288E+03	7.52	.233	1.2974E+03	7.71	.191

E (EV)	S (B)	DS/S	E (EV)	S (B)	DS/S	E (EV)	S (B)	DS/S
1.2947E+03	6.68	.183	1.1810E+03	11.73	.166	1.0817E+03	4.91	.282
1.2921E+03	7.61	.184	1.1787E+03	14.27	.167	1.0796E+03	4.90	.215
1.2894E+03	9.83	.199	1.1764E+03	9.38	.222	1.0776E+03	5.48	.246
1.2868E+03	17.08	.292	1.1741E+03	8.68	.182	1.0756E+03	8.07	.175
1.2842E+03	18.39	.133	1.1718E+03	8.29	.191	1.0736E+03	8.60	.174
1.2816E+03	13.78	.133	1.1696E+03	7.16	.215	1.0716E+03	10.77	.156
1.2790E+03	7.52	.238	1.1673E+03	7.10	.219	1.0696E+03	10.44	.160
1.2764E+03	7.98	.204	1.1650E+03	8.07	.187	1.0676E+03	10.52	.175
1.2738E+03	7.87	.189	1.1628E+03	7.54	.192	1.0657E+03	10.57	.207
1.2712E+03	5.73	.191	1.1605E+03	5.85	.187	1.0637E+03	20.83	.179
1.2687E+03	4.63	.249	1.1583E+03	3.89	.281	1.0617E+03	21.50	.130
1.2661E+03	8.02	.199	1.1561E+03	4.00	.260	1.0597E+03	19.00	.163
1.2635E+03	7.58	.192	1.1538E+03	5.30	.201	1.0578E+03	10.01	.191
1.2610E+03	11.70	.166	1.1516E+03	5.35	.254	1.0558E+03	10.53	.316
1.2584E+03	15.02	.131	1.1494E+03	6.96	.325	1.0539E+03	17.96	.175
1.2559E+03	9.80	.154	1.1472E+03	10.24	.148	1.0519E+03	20.45	.125
1.2534E+03	6.16	.203	1.1450E+03	10.96	.205	1.0500E+03	19.26	.168
1.2509E+03	6.50	.299	1.1428E+03	13.44	.197	1.0481E+03	22.13	.139
1.2484E+03	7.59	.422	1.1406E+03	15.28	.176	1.0462E+03	22.43	.137
1.2458E+03	4.92	.217	1.1384E+03	10.72	.156	1.0442E+03	18.61	.173
1.2434E+03	5.29	.206	1.1362E+03	5.92	.311	1.0423E+03	17.51	.127
1.2409E+03	5.92	.180	1.1340E+03	5.31	.218	1.0404E+03	11.60	.190
1.2384E+03	6.64	.190	1.1319E+03	6.71	.234	1.0385E+03	12.85	.180
1.2359E+03	8.89	.177	1.1297E+03	10.24	.368	1.0366E+03	12.34	.192
1.2334E+03	8.73	.211	1.1275E+03	14.99	.349	1.0347E+03	8.15	.171
1.2310E+03	8.12	.200	1.1254E+03	19.39	.233	1.0328E+03	6.28	.169
1.2285E+03	9.15	.252	1.1232E+03	22.66	.127	1.0309E+03	9.13	.295
1.2261E+03	13.14	.151	1.1211E+03	20.26	.131	1.0291E+03	15.67	.130
1.2237E+03	14.52	.138	1.1190E+03	10.60	.205	1.0272E+03	17.13	.191
1.2212E+03	14.00	.174	1.1169E+03	10.38	.240	1.0253E+03	22.31	.123
1.2188E+03	15.28	.155	1.1147E+03	27.14	.157	1.0235E+03	18.10	.127
1.2164E+03	9.89	.149	1.1126E+03	37.00	.158	1.0216E+03	18.89	.293
1.2140E+03	5.29	.226	1.1105E+03	26.71	.196	1.0197E+03	14.71	.170
1.2116E+03	8.74	.253	1.1084E+03	9.65	.168	1.0179E+03	14.40	.156
1.2092E+03	14.09	.154	1.1063E+03	8.00	.207	1.0161E+03	15.28	.157
1.2068E+03	18.13	.124	1.1042E+03	6.75	.185	1.0142E+03	14.35	.161
1.2044E+03	16.90	.135	1.1022E+03	10.57	.149	1.0124E+03	12.31	.402
1.2021E+03	15.05	.241	1.1001E+03	12.42	.147	1.0106E+03	15.11	.139
1.1997E+03	17.07	.135	1.0980E+03	14.50	.149	1.0087E+03	16.25	.168
1.1973E+03	12.55	.184	1.0959E+03	14.49	.138	1.0069E+03	9.85	.171
1.1950E+03	7.95	.221	1.0939E+03	13.12	.143	1.0051E+03	7.38	.211
1.1926E+03	8.15	.199	1.0918E+03	13.64	.182	1.0033E+03	8.91	.172
1.1903E+03	7.84	.182	1.0898E+03	9.28	.216	1.0015E+03	7.81	.178
1.1880E+03	8.70	.172	1.0877E+03	7.78	.185	9.9969E+02	8.67	.178
1.1857E+03	13.39	.419	1.0857E+03	6.98	.196	9.9790E+02	10.26	.223
1.1833E+03	9.29	.239	1.0837E+03	7.21	.216	9.9611E+02	10.63	.218

E (EV)	S (B)	DS/S	E (EV)	S (B)	DS/S	E (EV)	S (B)	DS/S
9.9433E+02	12.38	.144	9.1716E+02	9.18	.206	8.4865E+02	9.83	.238
9.9255E+02	8.28	.171	9.1559E+02	12.30	.169	8.4724E+02	9.12	.170
9.9077E+02	7.28	.178	9.1401E+02	9.21	.165	8.4585E+02	8.65	.153
9.8900E+02	6.49	.195	9.1245E+02	7.17	.191	8.4445E+02	8.38	.192
9.8724E+02	7.24	.191	9.1088E+02	7.07	.402	8.4306E+02	7.40	.245
9.8548E+02	8.60	.173	9.0932E+02	10.50	.188	8.4167E+02	7.80	.199
9.8372E+02	10.50	.157	9.0776E+02	14.57	.155	8.4028E+02	7.51	.164
9.8197E+02	10.30	.205	9.0621E+02	27.05	.386	8.3890E+02	6.94	.338
9.8022E+02	10.79	.245	9.0466E+02	35.72	.136	8.3752E+02	10.68	.209
9.7848E+02	12.38	.193	9.0312E+02	28.42	.118	8.3614E+02	11.25	.161
9.7674E+02	8.73	.163	9.0158E+02	16.45	.411	8.3477E+02	11.35	.163
9.7501E+02	6.03	.258	9.0004E+02	13.37	.188	8.3340E+02	7.74	.196
9.7328E+02	5.48	.227	8.9851E+02	15.20	.161	8.3204E+02	6.30	.233
9.7156E+02	5.13	.225	8.9698E+02	13.07	.151	8.3067E+02	7.52	.217
9.6984E+02	7.36	.191	8.9546E+02	11.62	.165	8.2932E+02	22.90	.443
9.6813E+02	11.86	.210	8.9394E+02	6.53	.241	8.2796E+02	25.03	.358
9.6642E+02	14.07	.163	8.9242E+02	5.53	.211	8.2661E+02	22.66	.477
9.6471E+02	16.40	.169	8.9091E+02	5.17	.297	8.2526E+02	13.11	.437
9.6301E+02	11.77	.293	8.8940E+02	8.99	.328	8.2391E+02	9.51	.215
9.6131E+02	13.44	.185	8.8789E+02	12.48	.200	8.2257E+02	11.38	.195
9.5962E+02	9.54	.185	8.8639E+02	13.32	.171	8.2123E+02	12.31	.192
9.5794E+02	8.54	.178	8.8489E+02	12.12	.129	8.1990E+02	13.17	.201
9.5625E+02	6.30	.215	8.8340E+02	10.20	.137	8.1856E+02	13.61	.183
9.5458E+02	6.39	.190	8.8191E+02	8.73	.176	8.1724E+02	14.63	.170
9.5290E+02	7.00	.285	8.8042E+02	7.87	.174	8.1591E+02	13.21	.251
9.5123E+02	12.80	.236	8.7894E+02	7.37	.184	8.1459E+02	15.33	.360
9.4957E+02	11.73	.129	8.7746E+02	6.50	.242	8.1327E+02	23.29	.455
9.4791E+02	11.90	.340	8.7598E+02	5.70	.216	8.1195E+02	36.39	.174
9.4625E+02	8.46	.175	8.7451E+02	5.10	.231	8.1064E+02	20.49	.266
9.4460E+02	7.90	.161	8.7304E+02	5.42	.275	8.0933E+02	7.43	.300
9.4295E+02	8.98	.165	8.7158E+02	4.97	.245	8.0802E+02	6.21	.220
9.4131E+02	10.21	.167	8.7012E+02	4.56	.244	8.0672E+02	6.72	.200
9.3967E+02	14.82	.192	8.6866E+02	6.17	.274	8.0542E+02	8.13	.189
9.3803E+02	17.65	.159	8.6721E+02	6.68	.193	8.0412E+02	11.81	.179
9.3640E+02	15.96	.138	8.6576E+02	6.55	.208	8.0282E+02	12.63	.169
9.3478E+02	12.02	.509	8.6431E+02	7.66	.193	8.0153E+02	17.52	.120
9.3315E+02	7.68	.182	8.6287E+02	7.88	.360	8.0024E+02	14.93	.162
9.3154E+02	6.95	.199	8.6144E+02	10.57	.174	7.9896E+02	9.90	.202
9.2992E+02	6.55	.231	8.6000E+02	11.77	.236	7.9768E+02	8.53	.243
9.2831E+02	6.38	.269	8.5857E+02	6.26	.255	7.9640E+02	9.19	.177
9.2671E+02	7.92	.193	8.5714E+02	6.97	.223	7.9512E+02	8.68	.169
9.2511E+02	8.60	.176	8.5572E+02	8.77	.175	7.9385E+02	8.53	.176
9.2351E+02	10.48	.204	8.5429E+02	10.16	.198	7.9258E+02	14.18	.142
9.2192E+02	10.55	.213	8.5288E+02	10.65	.183	7.9132E+02	23.01	.162
9.2033E+02	8.93	.164	8.5147E+02	9.04	.165	7.9005E+02	18.37	.318
9.1874E+02	6.58	.198	8.5005E+02	9.54	.168	7.8879E+02	10.90	.221

E (EV)	S(B)	DS/S	E (EV)	S(B)	DS/S	E (EV)	S(B)	DS/S
7.8753E+02	8.85	.203	7.3279E+02	12.02	.431	6.8357E+02	10.55	.217
7.8628E+02	10.40	.180	7.3167E+02	16.38	.270	6.8256E+02	9.37	.232
7.8503E+02	12.05	.178	7.3054E+02	21.27	.292	6.8154E+02	11.67	.371
7.8378E+02	12.33	.171	7.2942E+02	17.11	.154	6.8053E+02	7.50	.219
7.8253E+02	13.81	.149	7.2831E+02	14.27	.146	6.7953E+02	6.81	.229
7.8129E+02	14.64	.148	7.2719E+02	13.76	.164	6.7852E+02	7.22	.198
7.8005E+02	11.88	.213	7.2608E+02	12.42	.162	6.7752E+02	6.04	.211
7.7882E+02	12.92	.189	7.2497E+02	12.05	.156	6.7652E+02	5.26	.224
7.7758E+02	9.14	.167	7.2386E+02	10.07	.327	6.7552E+02	5.77	.204
7.7635E+02	4.93	.264	7.2275E+02	5.24	.207	6.7452E+02	26.49	.152
7.7512E+02	8.09	.482	7.2165E+02	4.25	.241	6.7353E+02	34.12	.160
7.7390E+02	21.32	.347	7.2055E+02	4.04	.225	6.7253E+02	19.23	.217
7.7268E+02	27.18	.203	7.1945E+02	8.81	.273	6.7154E+02	9.47	.180
7.7146E+02	22.43	.150	7.1836E+02	13.88	.302	6.7056E+02	9.50	.170
7.7024E+02	13.11	.213	7.1726E+02	14.51	.217	6.6957E+02	9.34	.181
7.6903E+02	12.84	.184	7.1617E+02	13.22	.303	6.6859E+02	9.40	.249
7.6782E+02	18.34	.405	7.1509E+02	9.52	.250	6.6761E+02	9.07	.229
7.6661E+02	20.05	.257	7.1400E+02	11.62	.160	6.6663E+02	13.38	.146
7.6541E+02	21.86	.136	7.1292E+02	10.45	.171	6.6565E+02	15.54	.138
7.6420E+02	21.28	.125	7.1184E+02	10.90	.153	6.6468E+02	13.59	.152
7.6301E+02	19.93	.138	7.1076E+02	9.97	.232	6.6370E+02	13.79	.148
7.6181E+02	16.05	.370	7.0968E+02	26.65	.149	6.6273E+02	12.36	.216
7.6062E+02	18.83	.139	7.0861E+02	33.09	.169	6.6176E+02	17.87	.144
7.5942E+02	20.38	.134	7.0754E+02	16.20	.142	6.6080E+02	24.24	.120
7.5824E+02	18.35	.117	7.0647E+02	8.94	.150	6.5983E+02	26.11	.140
7.5705E+02	14.77	.125	7.0541E+02	7.84	.200	6.5887E+02	27.37	.121
7.5587E+02	12.94	.148	7.0434E+02	9.73	.274	6.5791E+02	27.78	.118
7.5469E+02	11.96	.165	7.0328E+02	31.51	.176	6.5696E+02	15.88	.134
7.5351E+02	10.97	.162	7.0222E+02	21.00	.125	6.5600E+02	8.75	.191
7.5234E+02	11.03	.219	7.0117E+02	9.83	.220	6.5505E+02	7.30	.194
7.5117E+02	10.84	.210	7.0011E+02	14.86	.146	6.5409E+02	7.42	.192
7.5000E+02	10.62	.193	6.9906E+02	19.08	.130	6.5314E+02	6.35	.204
7.4883E+02	10.53	.167	6.9801E+02	20.86	.133	6.5220E+02	5.61	.217
7.4767E+02	11.41	.194	6.9697E+02	19.36	.136	6.5125E+02	5.83	.278
7.4651E+02	12.52	.288	6.9592E+02	13.96	.147	6.5031E+02	12.40	.164
7.4535E+02	8.59	.218	6.9488E+02	9.46	.185	6.4937E+02	20.45	.162
7.4420E+02	9.38	.204	6.9384E+02	9.39	.179	6.4843E+02	19.30	.171
7.4305E+02	10.00	.227	6.9280E+02	9.18	.181	6.4749E+02	12.13	.162
7.4190E+02	7.93	.201	6.9177E+02	15.01	.183	6.4656E+02	7.05	.218
7.4075E+02	5.26	.292	6.9074E+02	10.72	.166	6.4562E+02	8.93	.172
7.3960E+02	5.32	.281	6.8971E+02	9.62	.173	6.4469E+02	11.11	.359
7.3846E+02	5.10	.297	6.8868E+02	10.58	.184	6.4376E+02	8.34	.236
7.3732E+02	4.64	.278	6.8765E+02	10.70	.171	6.4283E+02	8.10	.207
7.3619E+02	4.35	.247	6.8663E+02	10.54	.163	6.4191E+02	21.72	.134
7.3505E+02	4.58	.289	6.8561E+02	9.82	.198	6.4099E+02	31.11	.239
7.3392E+02	5.63	.281	6.8459E+02	11.40	.206	6.4007E+02	17.09	.175

E (EV)	S (B)	DS/S	E (EV)	S (B)	DS/S	E (EV)	S (B)	DS/S
6.3915E+02	14.60	.197	5.9892E+02	12.30	.159	5.6237E+02	7.15	.255
6.3823E+02	14.36	.159	5.9809E+02	11.29	.176	5.6162E+02	8.69	.200
6.3731E+02	12.95	.149	5.9726E+02	14.04	.446	5.6086E+02	10.23	.220
6.3640E+02	10.08	.210	5.9643E+02	12.41	.312	5.6010E+02	25.53	.148
6.3549E+02	8.11	.205	5.9560E+02	8.71	.245	5.5935E+02	28.03	.123
6.3458E+02	6.52	.197	5.9478E+02	8.70	.222	5.5860E+02	21.07	.125
6.3367E+02	4.16	.261	5.9395E+02	10.66	.219	5.5785E+02	14.82	.148
6.3277E+02	4.03	.291	5.9313E+02	11.46	.164	5.5710E+02	14.37	.159
6.3186E+02	4.86	.307	5.9231E+02	20.37	.216	5.5636E+02	10.72	.205
6.3096E+02	7.83	.227	5.9149E+02	13.42	.328	5.5561E+02	11.88	.181
6.3006E+02	8.95	.172	5.9068E+02	9.46	.236	5.5487E+02	11.72	.156
6.2917E+02	7.85	.191	5.8986E+02	10.33	.194	5.5413E+02	10.31	.131
6.2827E+02	6.92	.223	5.8905E+02	13.47	.314	5.5339E+02	27.65	.139
6.2738E+02	6.39	.285	5.8824E+02	15.62	.266	5.5265E+02	18.41	.152
6.2648E+02	16.54	.134	5.8743E+02	14.46	.159	5.5191E+02	8.47	.225
6.2559E+02	26.82	.190	5.8662E+02	18.10	.216	5.5118E+02	10.27	.177
6.2471E+02	30.32	.115	5.8581E+02	34.12	.373	5.5044E+02	21.92	.134
6.2382E+02	20.68	.126	5.8501E+02	42.33	.197	5.4971E+02	24.79	.118
6.2294E+02	13.36	.157	5.8420E+02	35.99	.110	5.4898E+02	24.67	.156
6.2205E+02	7.92	.231	5.8340E+02	33.84	.123	5.4825E+02	41.78	.221
6.2117E+02	6.00	.226	5.8260E+02	30.34	.135	5.4752E+02	62.08	.124
6.2029E+02	5.09	.249	5.8180E+02	29.82	.124	5.4679E+02	52.07	.122
6.1942E+02	4.80	.292	5.8101E+02	31.10	.289	5.4606E+02	33.76	.184
6.1854E+02	4.13	.305	5.8021E+02	22.08	.163	5.4534E+02	18.39	.215
6.1767E+02	6.80	.273	5.7942E+02	13.06	.236	5.4462E+02	14.91	.198
6.1680E+02	7.91	.207	5.7863E+02	10.08	.205	5.4390E+02	14.54	.150
6.1593E+02	5.18	.231	5.7784E+02	9.48	.201	5.4318E+02	12.78	.371
6.1506E+02	4.56	.262	5.7705E+02	9.02	.186	5.4246E+02	8.92	.174
6.1419E+02	3.68	.283	5.7626E+02	7.56	.199	5.4174E+02	8.78	.178
6.1333E+02	2.45	.343	5.7548E+02	8.31	.196	5.4103E+02	6.61	.200
6.1247E+02	2.68	.379	5.7469E+02	10.65	.184	5.4031E+02	7.13	.197
6.1161E+02	3.42	.267	5.7391E+02	10.35	.187	5.3960E+02	9.65	.170
6.1075E+02	5.91	.247	5.7313E+02	12.07	.159	5.3889E+02	10.54	.164
6.0989E+02	11.65	.477	5.7235E+02	16.65	.145	5.3818E+02	12.84	.197
6.0904E+02	12.73	.430	5.7158E+02	23.65	.121	5.3747E+02	11.35	.213
6.0819E+02	8.49	.254	5.7080E+02	18.31	.165	5.3676E+02	12.02	.187
6.0733E+02	10.13	.202	5.7003E+02	17.11	.181	5.3606E+02	14.05	.145
6.0648E+02	9.16	.215	5.6925E+02	15.54	.187	5.3535E+02	16.25	.180
6.0564E+02	8.11	.201	5.6848E+02	15.34	.149	5.3465E+02	16.71	.150
6.0479E+02	9.04	.176	5.6771E+02	14.62	.148	5.3395E+02	16.69	.141
6.0395E+02	9.73	.169	5.6695E+02	15.11	.144	5.3324E+02	15.58	.150
6.0310E+02	14.50	.142	5.6618E+02	17.68	.239	5.3255E+02	10.47	.203
6.0226E+02	27.66	.152	5.6542E+02	10.76	.161	5.3185E+02	10.42	.163
6.0142E+02	29.83	.213	5.6465E+02	7.69	.193	5.3115E+02	12.86	.145
6.0059E+02	22.10	.134	5.6389E+02	6.96	.232	5.3046E+02	14.52	.189
5.9975E+02	15.24	.192	5.6313E+02	6.83	.274	5.2976E+02	11.23	.195

E (EV)	S (B)	DS/S	E (EV)	S (B)	DS/S	E (EV)	S (B)	DS/S
5.2907E+02	11.76	.152	4.9865E+02	10.77	.138	4.7077E+02	9.16	.201
5.2838E+02	10.35	.170	4.9801E+02	8.30	.198	4.7019E+02	8.48	.180
5.2769E+02	7.77	.204	4.9738E+02	4.67	.216	4.6961E+02	9.70	.158
5.2700E+02	7.18	.194	4.9675E+02	2.53	.312	4.6904E+02	14.41	.137
5.2632E+02	10.14	.463	4.9612E+02	4.28	.191	4.6846E+02	18.45	.369
5.2563E+02	18.69	.312	4.9550E+02	7.45	.470	4.6788E+02	22.63	.209
5.2495E+02	17.93	.184	4.9487E+02	10.62	.175	4.6731E+02	19.15	.192
5.2426E+02	11.38	.268	4.9425E+02	17.56	.220	4.6674E+02	8.69	.186
5.2358E+02	12.12	.361	4.9362E+02	20.14	.157	4.6616E+02	8.01	.231
5.2290E+02	16.83	.630	4.9300E+02	18.02	.167	4.6559E+02	7.47	.223
5.2222E+02	11.99	.279	4.9238E+02	18.29	.161	4.6502E+02	7.45	.177
5.2155E+02	8.61	.178	4.9176E+02	20.11	.134	4.6445E+02	6.49	.210
5.2087E+02	7.94	.187	4.9114E+02	17.38	.159	4.6389E+02	5.94	.222
5.2020E+02	6.83	.221	4.9052E+02	9.19	.221	4.6332E+02	5.79	.265
5.1952E+02	7.94	.230	4.8991E+02	9.98	.170	4.6275E+02	15.25	.134
5.1885E+02	12.58	.647	4.8929E+02	32.75	.313	4.6219E+02	23.75	.160
5.1818E+02	8.45	.418	4.8868E+02	48.34	.119	4.6162E+02	19.17	.127
5.1751E+02	4.51	.323	4.8806E+02	47.01	.117	4.6106E+02	17.51	.130
5.1684E+02	4.54	.300	4.8745E+02	27.87	.408	4.6050E+02	14.07	.307
5.1618E+02	6.24	.306	4.8684E+02	17.81	.404	4.5994E+02	6.87	.249
5.1551E+02	8.96	.199	4.8623E+02	5.23	.285	4.5938E+02	8.62	.193
5.1485E+02	8.33	.189	4.8562E+02	5.86	.182	4.5882E+02	18.10	.159
5.1418E+02	7.77	.223	4.8501E+02	7.53	.202	4.5826E+02	17.11	.164
5.1352E+02	7.50	.229	4.8441E+02	7.65	.240	4.5770E+02	16.85	.144
5.1286E+02	7.97	.290	4.8380E+02	17.02	.150	4.5715E+02	15.34	.137
5.1220E+02	6.93	.252	4.8320E+02	24.08	.154	4.5659E+02	13.74	.153
5.1154E+02	13.71	.171	4.8260E+02	18.85	.168	4.5604E+02	17.90	.138
5.1089E+02	16.27	.134	4.8200E+02	11.96	.159	4.5549E+02	24.74	.142
5.1023E+02	20.18	.127	4.8139E+02	9.59	.167	4.5493E+02	25.25	.116
5.0958E+02	27.53	.124	4.8080E+02	11.61	.148	4.5438E+02	26.78	.142
5.0892E+02	29.47	.123	4.8020E+02	12.30	.179	4.5383E+02	29.67	.130
5.0827E+02	25.06	.146	4.7960E+02	13.14	.189	4.5329E+02	24.89	.123
5.0762E+02	15.50	.281	4.7900E+02	14.26	.163	4.5274E+02	23.00	.161
5.0697E+02	6.17	.248	4.7841E+02	15.35	.134	4.5219E+02	26.83	.195
5.0633E+02	5.70	.222	4.7781E+02	17.10	.130	4.5165E+02	25.76	.258
5.0568E+02	5.07	.272	4.7722E+02	16.01	.180	4.5110E+02	15.99	.141
5.0503E+02	5.48	.205	4.7663E+02	20.50	.124	4.5056E+02	9.68	.207
5.0439E+02	8.59	.171	4.7604E+02	24.38	.147	4.5001E+02	8.70	.171
5.0375E+02	10.40	.174	4.7545E+02	24.16	.124	4.4947E+02	8.53	.175
5.0310E+02	9.30	.177	4.7486E+02	21.92	.116	4.4893E+02	9.20	.181
5.0246E+02	7.41	.171	4.7427E+02	20.91	.122	4.4839E+02	25.65	.152
5.0182E+02	7.23	.194	4.7369E+02	18.21	.213	4.4785E+02	44.49	.103
5.0119E+02	6.15	.224	4.7310E+02	9.47	.222	4.4731E+02	44.25	.108
5.0055E+02	4.62	.230	4.7252E+02	7.98	.196	4.4678E+02	27.13	.181
4.9991E+02	5.29	.356	4.7193E+02	9.08	.160	4.4624E+02	17.12	.178
4.9928E+02	9.09	.201	4.7135E+02	9.71	.204	4.4571E+02	13.08	.131



E (EV)	S (B)	DS/S	E (EV)	S (B)	DS/S	E (EV)	S (B)	DS/S
4.4517E+02	17.37	.127	4.2161E+02	32.15	.220	3.9986E+02	11.45	.146
4.4464E+02	24.41	.120	4.2111E+02	16.10	.110	3.9941E+02	17.73	.131
4.4411E+02	38.61	.122	4.2062E+02	10.70	.176	3.9896E+02	11.50	.141
4.4358E+02	38.37	.120	4.2014E+02	7.90	.210	3.9850E+02	10.65	.150
4.4305E+02	20.64	.124	4.1965E+02	8.46	.148	3.9805E+02	9.83	.150
4.4252E+02	12.09	.141	4.1916E+02	10.82	.372	3.9760E+02	9.27	.153
4.4199E+02	10.24	.157	4.1867E+02	25.34	.348	3.9715E+02	8.67	.198
4.4146E+02	9.52	.165	4.1818E+02	39.59	.232	3.9670E+02	8.81	.201
4.4093E+02	12.20	.136	4.1770E+02	19.34	.325	3.9625E+02	13.35	.155
4.4041E+02	14.68	.136	4.1722E+02	11.86	.157	3.9581E+02	16.73	.123
4.3988E+02	18.38	.122	4.1673E+02	10.17	.133	3.9536E+02	14.09	.133
4.3936E+02	20.07	.129	4.1625E+02	8.77	.166	3.9491E+02	17.54	.129
4.3884E+02	14.35	.166	4.1577E+02	8.72	.164	3.9447E+02	10.45	.150
4.3832E+02	12.81	.140	4.1528E+02	8.07	.170	3.9402E+02	9.53	.150
4.3780E+02	13.32	.134	4.1481E+02	7.62	.167	3.9358E+02	6.66	.252
4.3727E+02	11.05	.142	4.1433E+02	8.24	.162	3.9314E+02	6.10	.182
4.3676E+02	12.66	.146	4.1385E+02	8.15	.187	3.9269E+02	6.50	.161
4.3624E+02	14.99	.128	4.1337E+02	10.99	.165	3.9225E+02	5.64	.184
4.3572E+02	9.91	.157	4.1289E+02	15.07	.168	3.9181E+02	5.53	.182
4.3520E+02	7.54	.159	4.1242E+02	16.17	.139	3.9137E+02	8.44	.149
4.3469E+02	6.79	.237	4.1194E+02	13.46	.175	3.9093E+02	13.36	.138
4.3417E+02	6.85	.238	4.1147E+02	12.77	.147	3.9049E+02	17.85	.132
4.3366E+02	7.55	.213	4.1099E+02	14.17	.138	3.9006E+02	10.00	.131
4.3315E+02	8.18	.206	4.1052E+02	19.56	.118	3.8962E+02	7.04	.179
4.3264E+02	9.10	.155	4.1005E+02	29.19	.134	3.8918E+02	7.32	.219
4.3213E+02	17.46	.131	4.0958E+02	32.53	.135	3.8875E+02	7.07	.167
4.3162E+02	23.31	.175	4.0910E+02	24.20	.112	3.8831E+02	6.65	.183
4.3111E+02	17.32	.143	4.0864E+02	14.27	.171	3.8788E+02	6.81	.189
4.3060E+02	16.04	.130	4.0817E+02	14.75	.136	3.8744E+02	8.86	.170
4.3009E+02	14.23	.139	4.0770E+02	16.65	.123	3.8701E+02	15.87	.121
4.2959E+02	13.62	.155	4.0723E+02	25.08	.124	3.8658E+02	38.18	.131
4.2908E+02	16.46	.123	4.0676E+02	34.65	.123	3.8615E+02	37.52	.111
4.2858E+02	24.79	.114	4.0630E+02	41.74	.110	3.8572E+02	37.70	.111
4.2807E+02	29.86	.106	4.0583E+02	37.99	.094	3.8528E+02	30.57	.117
4.2757E+02	23.57	.120	4.0537E+02	29.02	.094	3.8486E+02	24.68	.145
4.2707E+02	18.47	.209	4.0491E+02	21.08	.111	3.8443E+02	33.71	.116
4.2657E+02	22.16	.117	4.0444E+02	14.54	.128	3.8400E+02	41.28	.111
4.2607E+02	19.77	.141	4.0398E+02	12.10	.129	3.8357E+02	34.96	.152
4.2557E+02	18.28	.160	4.0352E+02	10.10	.148	3.8315E+02	26.94	.153
4.2507E+02	19.43	.135	4.0306E+02	9.86	.152	3.8272E+02	19.21	.118
4.2457E+02	19.43	.135	4.0260E+02	19.00	.136	3.8230E+02	20.71	.111
4.2408E+02	12.06	.148	4.0214E+02	23.07	.129	3.8187E+02	19.75	.114
4.2358E+02	8.76	.157	4.0169E+02	19.95	.121	3.8145E+02	18.32	.123
4.2308E+02	8.90	.152	4.0123E+02	14.48	.157	3.8102E+02	16.95	.133
4.2259E+02	19.96	.110	4.0077E+02	9.81	.190	3.8060E+02	14.60	.152
4.2210E+02	46.93	.125	4.0032E+02	10.47	.172	3.8018E+02	11.25	.137

E(EV)	S(B)	DS/S	E(EV)	S(B)	DS/S	E(EV)	S(B)	DS/S
3.7976E+02	9.38	.178	3.6114E+02	26.75	.102	3.4385E+02	6.70	.170
3.7934E+02	9.30	.163	3.6075E+02	22.78	.117	3.4349E+02	6.85	.217
3.7892E+02	8.50	.160	3.6036E+02	22.08	.103	3.4313E+02	8.76	.255
3.7850E+02	7.71	.174	3.5997E+02	19.52	.111	3.4277E+02	8.98	.282
3.7808E+02	8.33	.158	3.5958E+02	19.07	.122	3.4241E+02	7.72	.182
3.7767E+02	8.30	.156	3.5920E+02	21.39	.107	3.4205E+02	6.62	.171
3.7725E+02	8.95	.167	3.5881E+02	20.80	.115	3.4169E+02	6.48	.161
3.7683E+02	19.30	.114	3.5842E+02	18.31	.123	3.4133E+02	5.44	.198
3.7642E+02	35.43	.141	3.5804E+02	18.85	.125	3.4097E+02	5.44	.228
3.7600E+02	35.75	.095	3.5765E+02	32.89	.189	3.4061E+02	5.41	.234
3.7559E+02	26.83	.147	3.5727E+02	45.84	.091	3.4026E+02	5.92	.173
3.7518E+02	20.31	.172	3.5689E+02	51.54	.090	3.3990E+02	6.23	.172
3.7477E+02	21.29	.111	3.5650E+02	47.45	.092	3.3955E+02	7.07	.171
3.7435E+02	18.73	.115	3.5612E+02	41.06	.096	3.3919E+02	11.51	.119
3.7394E+02	17.97	.120	3.5574E+02	36.31	.086	3.3884E+02	21.38	.123
3.7353E+02	19.43	.118	3.5536E+02	31.40	.098	3.3848E+02	20.14	.120
3.7312E+02	20.20	.114	3.5498E+02	24.85	.120	3.3813E+02	13.58	.145
3.7271E+02	15.74	.133	3.5460E+02	19.80	.144	3.3778E+02	12.87	.149
3.7231E+02	12.30	.139	3.5422E+02	18.21	.114	3.3742E+02	12.12	.168
3.7190E+02	10.29	.143	3.5384E+02	15.62	.120	3.3707E+02	12.19	.154
3.7149E+02	11.20	.120	3.5347E+02	15.36	.122	3.3672E+02	11.07	.138
3.7108E+02	16.04	.144	3.5309E+02	14.69	.121	3.3637E+02	12.07	.158
3.7068E+02	23.24	.153	3.5271E+02	14.08	.144	3.3602E+02	19.13	.125
3.7027E+02	23.38	.120	3.5233E+02	12.37	.153	3.3567E+02	23.06	.107
3.6987E+02	17.24	.161	3.5196E+02	10.95	.136	3.3532E+02	19.82	.130
3.6947E+02	10.59	.168	3.5158E+02	9.10	.140	3.3497E+02	24.24	.158
3.6906E+02	10.04	.156	3.5121E+02	9.68	.145	3.3462E+02	37.58	.105
3.6866E+02	9.55	.187	3.5084E+02	9.25	.189	3.3428E+02	37.61	.093
3.6826E+02	12.56	.140	3.5047E+02	9.55	.153	3.3393E+02	31.37	.184
3.6786E+02	15.97	.135	3.5009E+02	11.17	.135	3.3358E+02	17.29	.263
3.6746E+02	14.37	.170	3.4972E+02	15.62	.153	3.3324E+02	11.77	.129
3.6706E+02	26.89	.352	3.4935E+02	20.70	.173	3.3289E+02	12.89	.131
3.6666E+02	38.34	.096	3.4898E+02	25.17	.107	3.3255E+02	14.88	.138
3.6626E+02	47.61	.178	3.4861E+02	25.82	.102	3.3220E+02	15.75	.144
3.6586E+02	50.15	.088	3.4824E+02	24.49	.131	3.3186E+02	16.03	.151
3.6546E+02	44.30	.105	3.4787E+02	22.40	.133	3.3152E+02	16.23	.172
3.6507E+02	42.54	.092	3.4750E+02	20.70	.125	3.3117E+02	18.40	.119
3.6467E+02	38.06	.095	3.4714E+02	18.90	.136	3.3083E+02	21.28	.112
3.6428E+02	34.03	.101	3.4677E+02	16.10	.132	3.3049E+02	25.21	.106
3.6388E+02	29.80	.105	3.4640E+02	13.52	.136	3.3015E+02	30.19	.098
3.6349E+02	28.10	.115	3.4603E+02	10.51	.225	3.2981E+02	32.17	.096
3.6309E+02	31.39	.118	3.4567E+02	10.68	.136	3.2947E+02	36.42	.103
3.6270E+02	37.26	.111	3.4531E+02	8.91	.148	3.2913E+02	42.66	.098
3.6231E+02	36.21	.102	3.4494E+02	7.78	.170	3.2879E+02	52.90	.096
3.6192E+02	32.89	.096	3.4458E+02	7.55	.206	3.2845E+02	60.92	.099
3.6153E+02	32.06	.098	3.4421E+02	7.33	.188	3.2812E+02	46.27	.104

E (EV)	S (B)	DS/S	E (EV)	S (B)	DS/S	E (EV)	S (B)	DS/S
3.2778E+02	37.23	.106	3.1281E+02	28.40	.118	2.9884E+02	30.75	.109
3.2744E+02	29.03	.159	3.1249E+02	39.68	.092	2.9855E+02	29.14	.096
3.2710E+02	31.64	.151	3.1218E+02	50.83	.100	2.9825E+02	19.63	.121
3.2677E+02	36.37	.099	3.1187E+02	48.46	.100	2.9796E+02	13.81	.115
3.2643E+02	37.90	.104	3.1155E+02	41.53	.094	2.9767E+02	8.60	.169
3.2610E+02	40.24	.096	3.1124E+02	27.30	.166	2.9738E+02	9.90	.127
3.2576E+02	38.22	.091	3.1093E+02	20.62	.130	2.9709E+02	17.67	.116
3.2543E+02	34.95	.099	3.1062E+02	20.35	.113	2.9680E+02	14.76	.119
3.2510E+02	22.43	.113	3.1031E+02	20.42	.116	2.9650E+02	15.22	.220
3.2477E+02	19.27	.117	3.1000E+02	30.37	.096	2.9622E+02	11.78	.126
3.2443E+02	20.41	.107	3.0969E+02	38.51	.131	2.9593E+02	10.87	.132
3.2410E+02	23.22	.125	3.0938E+02	30.61	.122	2.9564E+02	10.29	.124
3.2377E+02	28.33	.119	3.0907E+02	21.79	.116	2.9535E+02	11.69	.106
3.2344E+02	39.08	.108	3.0876E+02	17.45	.110	2.9506E+02	15.28	.109
3.2311E+02	56.53	.087	3.0845E+02	17.05	.113	2.9477E+02	17.33	.112
3.2278E+02	73.59	.095	3.0815E+02	17.05	.120	2.9449E+02	17.60	.106
3.2245E+02	74.08	.099	3.0784E+02	19.83	.109	2.9420E+02	17.00	.106
3.2212E+02	60.71	.123	3.0753E+02	27.26	.095	2.9391E+02	17.98	.113
3.2179E+02	40.10	.112	3.0723E+02	34.23	.091	2.9363E+02	16.93	.116
3.2147E+02	29.23	.152	3.0692E+02	35.75	.098	2.9334E+02	14.65	.111
3.2114E+02	30.31	.106	3.0662E+02	32.35	.098	2.9306E+02	11.16	.118
3.2081E+02	40.59	.090	3.0631E+02	21.84	.100	2.9277E+02	9.75	.124
3.2049E+02	60.33	.099	3.0601E+02	19.30	.104	2.9249E+02	9.05	.149
3.2016E+02	64.96	.136	3.0570E+02	18.39	.103	2.9220E+02	8.90	.152
3.1984E+02	50.85	.097	3.0540E+02	16.35	.113	2.9192E+02	8.97	.149
3.1951E+02	36.96	.135	3.0510E+02	15.32	.127	2.9164E+02	8.50	.135
3.1919E+02	24.48	.127	3.0479E+02	14.66	.139	2.9135E+02	7.52	.132
3.1886E+02	25.39	.113	3.0449E+02	13.15	.146	2.9107E+02	6.17	.160
3.1854E+02	26.29	.099	3.0419E+02	11.86	.132	2.9079E+02	5.75	.196
3.1822E+02	28.33	.107	3.0389E+02	11.97	.118	2.9051E+02	6.25	.184
3.1790E+02	28.60	.115	3.0359E+02	10.51	.122	2.9023E+02	9.38	.138
3.1757E+02	25.22	.115	3.0329E+02	9.88	.124	2.8995E+02	6.08	.128
3.1725E+02	18.27	.134	3.0299E+02	8.26	.128	2.8967E+02	5.45	.162
3.1693E+02	16.74	.136	3.0269E+02	7.49	.138	2.8939E+02	5.51	.157
3.1661E+02	18.47	.105	3.0239E+02	8.04	.134	2.8911E+02	6.63	.141
3.1629E+02	20.26	.110	3.0209E+02	9.13	.128	2.8883E+02	8.61	.124
3.1597E+02	21.36	.104	3.0179E+02	10.08	.139	2.8855E+02	12.60	.116
3.1565E+02	27.32	.093	3.0150E+02	10.36	.125	2.8827E+02	21.10	.167
3.1534E+02	37.28	.094	3.0120E+02	12.06	.146	2.8799E+02	23.00	.135
3.1502E+02	51.65	.161	3.0090E+02	27.16	.144	2.8772E+02	16.90	.111
3.1470E+02	46.99	.095	3.0061E+02	35.40	.132	2.8744E+02	10.26	.116
3.1438E+02	41.53	.094	3.0031E+02	28.95	.091	2.8716E+02	7.19	.136
3.1407E+02	40.47	.089	3.0002E+02	17.35	.122	2.8689E+02	6.82	.167
3.1375E+02	38.60	.089	2.9972E+02	15.46	.137	2.8661E+02	7.23	.153
3.1344E+02	33.57	.095	2.9943E+02	15.38	.130	2.8633E+02	8.59	.126
3.1312E+02	29.47	.123	2.9913E+02	22.39	.097	2.8606E+02	9.33	.123

E (EV)	S (B)	DS/S	E (EV)	S (B)	DS/S	E (EV)	S (B)	DS/S
2.8579E+02	8.01	.131	2.7357E+02	32.53	.106	2.6212E+02	57.11	.094
2.8551E+02	7.00	.135	2.7331E+02	30.90	.106	2.6188E+02	77.26	.080
2.8524E+02	6.35	.141	2.7306E+02	29.55	.102	2.6164E+02	98.87	.080
2.8496E+02	5.52	.151	2.7280E+02	28.88	.098	2.6140E+02	97.62	.090
2.8469E+02	5.39	.151	2.7255E+02	31.37	.088	2.6116E+02	83.04	.085
2.8442E+02	5.87	.203	2.7229E+02	44.41	.091	2.6092E+02	64.04	.114
2.8415E+02	4.72	.163	2.7203E+02	72.64	.107	2.6068E+02	49.53	.132
2.8387E+02	3.85	.186	2.7178E+02	85.16	.080	2.6044E+02	45.70	.088
2.8360E+02	4.08	.165	2.7153E+02	78.06	.080	2.6020E+02	44.77	.091
2.8333E+02	4.89	.167	2.7127E+02	62.58	.088	2.5997E+02	46.45	.095
2.8306E+02	4.65	.157	2.7102E+02	53.22	.093	2.5973E+02	46.14	.090
2.8279E+02	4.99	.191	2.7076E+02	47.86	.084	2.5949E+02	47.26	.083
2.8252E+02	5.19	.173	2.7051E+02	42.61	.093	2.5925E+02	38.43	.092
2.8225E+02	6.72	.136	2.7026E+02	40.58	.090	2.5902E+02	34.35	.102
2.8198E+02	9.46	.141	2.7001E+02	39.22	.087	2.5878E+02	35.24	.101
2.8171E+02	9.50	.119	2.6976E+02	36.17	.092	2.5854E+02	34.86	.092
2.8145E+02	7.38	.136	2.6950E+02	34.68	.089	2.5831E+02	31.48	.089
2.8118E+02	6.01	.140	2.6925E+02	33.38	.087	2.5807E+02	27.77	.094
2.8091E+02	5.35	.153	2.6900E+02	31.97	.100	2.5784E+02	24.15	.108
2.8064E+02	4.67	.157	2.6875E+02	31.02	.103	2.5760E+02	21.31	.111
2.8038E+02	4.36	.166	2.6850E+02	28.24	.104	2.5737E+02	21.67	.093
2.8011E+02	4.58	.173	2.6825E+02	27.00	.100	2.5713E+02	21.92	.115
2.7984E+02	6.78	.130	2.6800E+02	26.26	.095	2.5690E+02	23.27	.108
2.7958E+02	8.68	.142	2.6775E+02	26.04	.118	2.5667E+02	24.71	.097
2.7931E+02	12.54	.133	2.6750E+02	30.97	.127	2.5643E+02	24.67	.090
2.7905E+02	11.82	.112	2.6726E+02	49.56	.100	2.5620E+02	23.24	.091
2.7878E+02	10.51	.115	2.6701E+02	76.27	.078	2.5597E+02	21.55	.092
2.7852E+02	9.03	.125	2.6676E+02	86.34	.105	2.5573E+02	19.58	.095
2.7825E+02	12.13	.110	2.6651E+02	74.87	.075	2.5550E+02	19.57	.111
2.7799E+02	17.99	.099	2.6627E+02	50.42	.142	2.5527E+02	25.36	.185
2.7773E+02	24.08	.092	2.6602E+02	37.88	.107	2.5504E+02	37.90	.172
2.7747E+02	33.53	.092	2.6577E+02	34.12	.088	2.5481E+02	48.15	.084
2.7720E+02	31.34	.088	2.6553E+02	36.19	.096	2.5458E+02	54.84	.121
2.7694E+02	26.83	.108	2.6528E+02	39.92	.091	2.5435E+02	48.32	.081
2.7668E+02	20.83	.160	2.6504E+02	49.65	.082	2.5412E+02	36.47	.149
2.7642E+02	17.89	.100	2.6479E+02	57.50	.081	2.5389E+02	23.95	.099
2.7616E+02	23.88	.103	2.6455E+02	63.34	.080	2.5366E+02	19.46	.103
2.7590E+02	37.66	.084	2.6430E+02	67.95	.105	2.5343E+02	21.19	.106
2.7564E+02	35.61	.135	2.6406E+02	73.69	.085	2.5320E+02	24.82	.094
2.7538E+02	27.21	.091	2.6382E+02	82.40	.087	2.5297E+02	25.54	.091
2.7512E+02	23.25	.096	2.6357E+02	82.33	.084	2.5274E+02	23.07	.100
2.7486E+02	22.52	.102	2.6333E+02	68.37	.080	2.5251E+02	19.54	.102
2.7460E+02	23.95	.094	2.6309E+02	57.08	.098	2.5228E+02	17.85	.117
2.7434E+02	28.48	.094	2.6285E+02	51.43	.112	2.5206E+02	17.01	.129
2.7408E+02	32.47	.098	2.6260E+02	48.93	.097	2.5183E+02	17.56	.120
2.7383E+02	33.54	.102	2.6236E+02	47.82	.092	2.5160E+02	15.17	.102

E (EV)	S (B)	DS/S	E (EV)	S (B)	DS/S	E (EV)	S (B)	DS/S
2.5138E+02	18.44	.094	2.4128E+02	15.73	.110	2.3178E+02	28.13	.087
2.5115E+02	21.06	.092	2.4107E+02	11.71	.119	2.3158E+02	35.14	.139
2.5093E+02	19.11	.095	2.4086E+02	10.97	.119	2.3138E+02	37.73	.086
2.5070E+02	17.03	.099	2.4064E+02	12.23	.102	2.3118E+02	36.38	.096
2.5048E+02	13.89	.117	2.4043E+02	14.51	.105	2.3098E+02	26.21	.103
2.5025E+02	12.52	.112	2.4022E+02	23.57	.096	2.3078E+02	21.00	.089
2.5002E+02	13.35	.105	2.4001E+02	28.40	.087	2.3058E+02	22.36	.092
2.4980E+02	16.99	.095	2.3980E+02	24.91	.142	2.3039E+02	23.41	.098
2.4958E+02	19.85	.097	2.3959E+02	17.05	.103	2.3019E+02	27.54	.096
2.4935E+02	21.86	.106	2.3938E+02	13.62	.122	2.2999E+02	28.63	.099
2.4913E+02	25.96	.098	2.3917E+02	13.57	.120	2.2979E+02	26.89	.086
2.4891E+02	26.44	.097	2.3896E+02	14.47	.119	2.2959E+02	25.63	.090
2.4868E+02	22.14	.154	2.3875E+02	16.07	.114	2.2940E+02	23.32	.102
2.4846E+02	18.06	.213	2.3854E+02	15.65	.100	2.2920E+02	21.19	.088
2.4824E+02	16.97	.095	2.3833E+02	15.49	.094	2.2900E+02	19.94	.100
2.4802E+02	18.69	.101	2.3812E+02	13.13	.099	2.2880E+02	17.86	.111
2.4780E+02	19.89	.102	2.3791E+02	12.26	.107	2.2861E+02	16.62	.093
2.4757E+02	18.90	.104	2.3770E+02	11.39	.111	2.2841E+02	16.34	.111
2.4735E+02	16.54	.096	2.3749E+02	11.57	.107	2.2822E+02	16.20	.112
2.4713E+02	15.13	.103	2.3729E+02	12.58	.100	2.2802E+02	15.91	.093
2.4691E+02	12.54	.150	2.3708E+02	12.65	.122	2.2782E+02	15.62	.113
2.4669E+02	11.67	.107	2.3687E+02	12.03	.107	2.2763E+02	15.77	.093
2.4647E+02	11.72	.117	2.3667E+02	10.37	.123	2.2744E+02	16.48	.105
2.4625E+02	9.44	.140	2.3646E+02	9.21	.131	2.2724E+02	18.03	.105
2.4603E+02	9.96	.127	2.3625E+02	10.11	.127	2.2705E+02	20.76	.104
2.4581E+02	8.87	.117	2.3605E+02	10.74	.125	2.2685E+02	23.04	.101
2.4560E+02	7.96	.115	2.3584E+02	11.07	.126	2.2666E+02	26.57	.096
2.4538E+02	7.71	.137	2.3564E+02	10.80	.109	2.2646E+02	29.64	.087
2.4516E+02	7.82	.143	2.3543E+02	9.65	.106	2.2627E+02	35.17	.100
2.4494E+02	7.14	.119	2.3523E+02	9.04	.108	2.2608E+02	41.85	.141
2.4472E+02	6.96	.152	2.3502E+02	9.32	.107	2.2589E+02	59.21	.091
2.4451E+02	6.62	.148	2.3482E+02	11.87	.106	2.2569E+02	77.21	.079
2.4429E+02	7.01	.125	2.3461E+02	16.21	.140	2.2550E+02	106.70	.073
2.4407E+02	9.14	.187	2.3441E+02	21.34	.091	2.2531E+02	138.66	.074
2.4385E+02	11.05	.108	2.3420E+02	22.17	.094	2.2511E+02	150.54	.073
2.4364E+02	10.94	.103	2.3400E+02	18.88	.114	2.2492E+02	150.73	.081
2.4342E+02	8.99	.110	2.3380E+02	15.43	.137	2.2473E+02	139.30	.083
2.4321E+02	7.56	.117	2.3360E+02	12.62	.108	2.2454E+02	124.26	.082
2.4299E+02	6.11	.129	2.3339E+02	11.10	.113	2.2435E+02	108.16	.108
2.4278E+02	5.28	.169	2.3319E+02	11.32	.127	2.2416E+02	99.52	.095
2.4256E+02	6.58	.146	2.3299E+02	13.23	.111	2.2397E+02	96.79	.085
2.4235E+02	8.99	.116	2.3279E+02	13.66	.098	2.2378E+02	91.23	.084
2.4213E+02	9.95	.134	2.3259E+02	14.88	.097	2.2359E+02	86.36	.075
2.4192E+02	16.94	.100	2.3238E+02	15.23	.117	2.2340E+02	77.89	.077
2.4171E+02	20.87	.087	2.3218E+02	17.99	.113	2.2321E+02	69.93	.077
2.4149E+02	18.79	.105	2.3198E+02	22.24	.092	2.2302E+02	62.07	.081

E (EV)	S (B)	DS/S	E (EV)	S (B)	DS/S	E (EV)	S (B)	DS/S
2.2283E+02	54.75	.084	2.1439E+02	18.90	.099	2.0642E+02	20.77	.086
2.2264E+02	49.20	.090	2.1421E+02	18.18	.096	2.0625E+02	17.98	.096
2.2245E+02	44.85	.083	2.1403E+02	15.74	.098	2.0608E+02	14.04	.099
2.2227E+02	41.22	.083	2.1386E+02	16.19	.091	2.0592E+02	14.99	.108
2.2208E+02	42.19	.079	2.1368E+02	16.24	.108	2.0575E+02	14.42	.110
2.2189E+02	45.06	.087	2.1350E+02	16.01	.104	2.0558E+02	14.66	.101
2.2170E+02	54.06	.092	2.1332E+02	15.88	.092	2.0541E+02	16.25	.107
2.2152E+02	51.36	.079	2.1315E+02	17.03	.090	2.0525E+02	16.89	.098
2.2133E+02	47.15	.090	2.1297E+02	18.56	.097	2.0508E+02	17.18	.088
2.2114E+02	41.28	.087	2.1280E+02	24.01	.096	2.0491E+02	17.26	.093
2.2095E+02	36.92	.086	2.1262E+02	30.65	.091	2.0475E+02	17.85	.110
2.2077E+02	33.17	.095	2.1244E+02	39.04	.093	2.0458E+02	19.28	.099
2.2058E+02	32.29	.091	2.1227E+02	38.51	.092	2.0441E+02	23.08	.085
2.2040E+02	30.30	.085	2.1209E+02	37.17	.081	2.0425E+02	26.45	.081
2.2021E+02	29.95	.086	2.1192E+02	34.18	.082	2.0408E+02	28.95	.097
2.2002E+02	29.76	.090	2.1174E+02	31.23	.082	2.0392E+02	26.62	.082
2.1984E+02	27.44	.100	2.1157E+02	32.33	.090	2.0375E+02	23.27	.092
2.1965E+02	26.59	.085	2.1139E+02	36.69	.081	2.0359E+02	20.06	.102
2.1947E+02	26.12	.100	2.1122E+02	42.99	.079	2.0342E+02	20.00	.094
2.1929E+02	27.21	.084	2.1104E+02	44.95	.079	2.0326E+02	19.24	.086
2.1910E+02	29.31	.097	2.1087E+02	45.63	.081	2.0309E+02	19.63	.101
2.1892E+02	32.06	.081	2.1070E+02	40.78	.079	2.0293E+02	21.21	.095
2.1873E+02	34.62	.081	2.1052E+02	35.45	.099	2.0277E+02	22.64	.088
2.1855E+02	35.68	.081	2.1035E+02	30.86	.088	2.0260E+02	23.77	.082
2.1837E+02	33.44	.082	2.1018E+02	27.80	.094	2.0244E+02	25.43	.081
2.1818E+02	32.18	.095	2.1000E+02	26.61	.098	2.0227E+02	30.15	.080
2.1800E+02	33.11	.081	2.0983E+02	26.72	.084	2.0211E+02	36.53	.077
2.1782E+02	35.05	.092	2.0966E+02	25.96	.084	2.0195E+02	43.00	.114
2.1764E+02	35.48	.080	2.0949E+02	26.01	.092	2.0178E+02	43.46	.085
2.1745E+02	34.74	.081	2.0931E+02	24.82	.083	2.0162E+02	39.83	.079
2.1727E+02	31.76	.086	2.0914E+02	23.38	.086	2.0146E+02	36.13	.080
2.1709E+02	27.37	.083	2.0897E+02	20.51	.094	2.0130E+02	33.66	.083
2.1691E+02	24.74	.095	2.0880E+02	19.16	.096	2.0114E+02	32.74	.087
2.1673E+02	22.99	.101	2.0863E+02	19.93	.133	2.0097E+02	32.20	.094
2.1655E+02	21.75	.093	2.0846E+02	23.12	.084	2.0081E+02	30.49	.090
2.1636E+02	19.71	.090	2.0829E+02	27.48	.080	2.0065E+02	27.33	.087
2.1618E+02	18.24	.108	2.0811E+02	32.22	.085	2.0049E+02	25.27	.095
2.1600E+02	17.31	.107	2.0794E+02	33.41	.102	2.0033E+02	23.92	.100
2.1582E+02	17.40	.091	2.0777E+02	30.45	.084	2.0017E+02	21.26	.090
2.1564E+02	18.01	.096	2.0760E+02	27.20	.083	2.0001E+02	19.76	.087
2.1546E+02	17.80	.106	2.0744E+02	24.56	.085	1.9985E+02	16.91	.095
2.1528E+02	16.24	.103	2.0727E+02	22.49	.086	1.9969E+02	16.22	.089
2.1510E+02	15.44	.098	2.0710E+02	22.86	.088	1.9953E+02	15.31	.099
2.1493E+02	15.85	.111	2.0693E+02	23.22	.084	1.9937E+02	15.57	.106
2.1475E+02	16.26	.094	2.0676E+02	22.80	.087	1.9921E+02	15.36	.103
2.1457E+02	18.09	.093	2.0659E+02	22.23	.088	1.9905E+02	14.83	.089

E (EV)	S(B)	DS/S	E (EV)	S(B)	DS/S	E (EV)	S(B)	DS/S
1.9889E+02	15.19	.106	1.9176E+02	13.07	.111	1.8501E+02	37.54	.095
1.9873E+02	15.25	.104	1.9161E+02	11.77	.104	1.8486E+02	37.17	.082
1.9857E+02	15.77	.095	1.9146E+02	11.27	.095	1.8472E+02	30.77	.095
1.9841E+02	16.97	.088	1.9131E+02	10.70	.115	1.8458E+02	28.50	.096
1.9825E+02	18.07	.085	1.9116E+02	11.03	.097	1.8444E+02	27.09	.084
1.9809E+02	22.21	.084	1.9101E+02	12.56	.095	1.8430E+02	24.58	.083
1.9794E+02	26.50	.080	1.9086E+02	14.38	.153	1.8415E+02	27.53	.091
1.9778E+02	29.60	.082	1.9071E+02	18.34	.144	1.8401E+02	27.26	.101
1.9762E+02	30.33	.081	1.9056E+02	23.01	.233	1.8387E+02	18.84	.094
1.9746E+02	30.47	.081	1.9041E+02	28.23	.137	1.8373E+02	18.09	.086
1.9730E+02	29.71	.088	1.9026E+02	30.65	.088	1.8359E+02	17.59	.102
1.9715E+02	27.32	.082	1.9011E+02	31.98	.095	1.8345E+02	16.59	.101
1.9699E+02	24.88	.091	1.8996E+02	30.20	.084	1.8331E+02	15.44	.093
1.9683E+02	22.74	.094	1.8981E+02	29.11	.086	1.8316E+02	14.35	.107
1.9668E+02	21.51	.090	1.8967E+02	27.94	.089	1.8302E+02	14.22	.090
1.9652E+02	21.25	.098	1.8952E+02	26.48	.098	1.8288E+02	14.32	.106
1.9636E+02	20.61	.085	1.8937E+02	27.14	.083	1.8274E+02	13.72	.091
1.9621E+02	20.46	.099	1.8922E+02	27.18	.094	1.8260E+02	14.84	.152
1.9605E+02	18.41	.087	1.8907E+02	26.69	.099	1.8246E+02	16.84	.177
1.9590E+02	16.83	.110	1.8893E+02	27.00	.084	1.8232E+02	20.88	.229
1.9574E+02	14.81	.109	1.8878E+02	27.75	.104	1.8218E+02	27.49	.268
1.9559E+02	13.79	.099	1.8863E+02	32.52	.157	1.8204E+02	37.61	.220
1.9543E+02	12.63	.093	1.8848E+02	39.92	.139	1.8190E+02	36.57	.137
1.9527E+02	11.15	.115	1.8834E+02	52.67	.088	1.8177E+02	39.21	.094
1.9512E+02	10.85	.097	1.8819E+02	58.87	.107	1.8163E+02	38.88	.083
1.9497E+02	10.82	.114	1.8805E+02	59.62	.085	1.8149E+02	37.93	.084
1.9481E+02	9.70	.117	1.8790E+02	59.39	.097	1.8135E+02	37.71	.094
1.9466E+02	9.47	.105	1.8775E+02	57.16	.095	1.8121E+02	39.49	.080
1.9450E+02	9.43	.117	1.8761E+02	56.08	.087	1.8107E+02	47.48	.091
1.9435E+02	9.61	.098	1.8746E+02	54.37	.095	1.8093E+02	44.15	.080
1.9419E+02	10.87	.128	1.8731E+02	52.50	.083	1.8080E+02	45.00	.091
1.9404E+02	14.28	.207	1.8717E+02	50.58	.092	1.8066E+02	45.29	.079
1.9389E+02	15.72	.120	1.8702E+02	49.13	.081	1.8052E+02	45.15	.092
1.9373E+02	17.18	.123	1.8688E+02	44.70	.095	1.8038E+02	44.05	.081
1.9358E+02	19.15	.178	1.8673E+02	41.10	.081	1.8024E+02	47.53	.093
1.9343E+02	20.18	.142	1.8659E+02	37.07	.099	1.8011E+02	41.43	.082
1.9328E+02	19.61	.101	1.8644E+02	34.94	.095	1.7997E+02	39.95	.094
1.9312E+02	18.04	.087	1.8630E+02	32.33	.082	1.7983E+02	38.36	.081
1.9297E+02	16.86	.105	1.8616E+02	31.35	.085	1.7970E+02	36.77	.095
1.9282E+02	17.14	.087	1.8601E+02	31.31	.094	1.7956E+02	34.59	.084
1.9267E+02	17.28	.102	1.8587E+02	34.46	.111	1.7942E+02	33.83	.095
1.9252E+02	17.38	.088	1.8572E+02	35.97	.127	1.7929E+02	34.31	.084
1.9236E+02	16.50	.095	1.8558E+02	37.82	.092	1.7915E+02	34.37	.094
1.9221E+02	15.40	.107	1.8544E+02	37.26	.084	1.7901E+02	35.73	.084
1.9206E+02	14.76	.104	1.8529E+02	37.20	.086	1.7888E+02	37.15	.146
1.9191E+02	13.96	.091	1.8515E+02	35.55	.080	1.7874E+02	40.50	.116

E (EV)	S (B)	DS/S	E (EV)	S (B)	DS/S	E (EV)	S (B)	DS/S
1.7861E+02	42.73	.092	1.7253E+02	7.16	.098	1.6676E+02	21.99	.103
1.7847E+02	40.72	.081	1.7240E+02	6.57	.102	1.6664E+02	20.77	.087
1.7834E+02	38.64	.084	1.7228E+02	5.96	.105	1.6652E+02	19.49	.094
1.7820E+02	35.89	.095	1.7215E+02	5.35	.110	1.6640E+02	18.38	.103
1.7807E+02	33.42	.094	1.7202E+02	5.21	.111	1.6628E+02	16.36	.094
1.7793E+02	32.02	.082	1.7189E+02	5.40	.110	1.6615E+02	15.76	.090
1.7780E+02	30.96	.095	1.7176E+02	5.78	.125	1.6603E+02	15.17	.106
1.7766E+02	28.63	.083	1.7164E+02	5.98	.106	1.6591E+02	13.79	.103
1.7753E+02	26.68	.084	1.7151E+02	5.85	.104	1.6579E+02	13.32	.092
1.7739E+02	22.53	.086	1.7138E+02	5.50	.116	1.6567E+02	12.56	.111
1.7726E+02	19.62	.090	1.7125E+02	4.89	.136	1.6555E+02	11.69	.094
1.7713E+02	19.20	.100	1.7113E+02	4.37	.117	1.6543E+02	11.14	.111
1.7699E+02	17.16	.102	1.7100E+02	3.86	.120	1.6531E+02	10.44	.106
1.7686E+02	14.73	.104	1.7087E+02	3.76	.120	1.6519E+02	9.19	.105
1.7673E+02	14.50	.090	1.7075E+02	3.50	.150	1.6506E+02	8.80	.100
1.7659E+02	16.04	.093	1.7062E+02	3.75	.137	1.6494E+02	8.24	.107
1.7646E+02	20.28	.096	1.7049E+02	3.87	.116	1.6482E+02	8.63	.096
1.7632E+02	24.54	.091	1.7037E+02	4.04	.141	1.6470E+02	8.46	.111
1.7619E+02	30.58	.170	1.7024E+02	4.20	.123	1.6458E+02	8.96	.093
1.7606E+02	31.26	.095	1.7011E+02	4.45	.111	1.6447E+02	9.50	.098
1.7593E+02	30.25	.095	1.6999E+02	4.62	.135	1.6435E+02	9.98	.090
1.7580E+02	27.92	.084	1.6986E+02	4.99	.110	1.6423E+02	9.91	.106
1.7566E+02	25.89	.090	1.6974E+02	5.80	.205	1.6411E+02	8.55	.135
1.7553E+02	24.59	.090	1.6961E+02	8.71	.467	1.6399E+02	8.93	.090
1.7540E+02	23.37	.090	1.6949E+02	12.00	.486	1.6387E+02	8.41	.108
1.7527E+02	22.93	.100	1.6936E+02	18.38	.530	1.6375E+02	9.30	.094
1.7514E+02	22.02	.093	1.6924E+02	27.33	.534	1.6363E+02	11.17	.144
1.7500E+02	21.03	.088	1.6911E+02	42.96	.470	1.6351E+02	13.82	.160
1.7487E+02	18.40	.099	1.6899E+02	66.44	.178	1.6339E+02	17.11	.136
1.7474E+02	15.67	.122	1.6886E+02	80.18	.133	1.6327E+02	19.00	.090
1.7461E+02	14.29	.139	1.6874E+02	86.43	.102	1.6315E+02	19.66	.087
1.7448E+02	12.69	.135	1.6861E+02	84.85	.083	1.6304E+02	18.80	.093
1.7435E+02	10.89	.118	1.6849E+02	75.22	.085	1.6292E+02	17.47	.095
1.7422E+02	9.70	.099	1.6836E+02	69.64	.096	1.6280E+02	16.52	.082
1.7409E+02	9.10	.099	1.6824E+02	68.22	.083	1.6268E+02	15.56	.097
1.7396E+02	9.06	.095	1.6812E+02	66.67	.095	1.6257E+02	15.05	.091
1.7383E+02	7.70	.114	1.6799E+02	65.57	.082	1.6245E+02	15.14	.086
1.7370E+02	6.87	.106	1.6787E+02	63.73	.096	1.6233E+02	14.49	.085
1.7357E+02	6.89	.122	1.6775E+02	58.81	.092	1.6221E+02	13.88	.090
1.7344E+02	6.70	.119	1.6762E+02	53.80	.103	1.6210E+02	12.58	.100
1.7331E+02	6.28	.104	1.6750E+02	44.29	.104	1.6198E+02	10.92	.098
1.7318E+02	5.77	.108	1.6738E+02	38.00	.106	1.6186E+02	9.41	.100
1.7305E+02	5.94	.102	1.6725E+02	29.10	.099	1.6174E+02	8.72	.089
1.7292E+02	6.48	.171	1.6713E+02	25.51	.102	1.6163E+02	8.63	.106
1.7279E+02	6.64	.112	1.6701E+02	24.77	.087	1.6151E+02	9.44	.098
1.7266E+02	6.60	.109	1.6689E+02	23.76	.099	1.6140E+02	10.36	.120



E (EV)	S(B)	DS/S	E (EV)	S(B)	DS/S	E (EV)	S(B)	DS/S
1.6128E+02	13.71	.144	1.5606E+02	8.76	.087	1.5109E+02	6.21	.120
1.6116E+02	15.53	.129	1.5595E+02	8.01	.089	1.5099E+02	6.05	.099
1.6105E+02	15.31	.085	1.5584E+02	7.66	.097	1.5088E+02	6.30	.092
1.6093E+02	14.99	.114	1.5573E+02	7.50	.091	1.5078E+02	6.15	.112
1.6081E+02	14.31	.098	1.5562E+02	7.31	.099	1.5067E+02	7.40	.228
1.6070E+02	13.65	.083	1.5551E+02	7.46	.105	1.5057E+02	8.31	.280
1.6058E+02	12.89	.099	1.5540E+02	6.81	.110	1.5046E+02	11.39	.258
1.6047E+02	12.45	.085	1.5529E+02	7.07	.090	1.5036E+02	15.14	.183
1.6035E+02	12.54	.098	1.5518E+02	6.20	.150	1.5025E+02	18.18	.142
1.6024E+02	12.31	.085	1.5507E+02	6.51	.093	1.5015E+02	20.57	.133
1.6012E+02	12.00	.103	1.5496E+02	6.06	.113	1.5004E+02	23.12	.126
1.6001E+02	11.38	.090	1.5485E+02	5.75	.107	1.4994E+02	25.81	.135
1.5989E+02	13.25	.144	1.5474E+02	6.30	.095	1.4984E+02	29.16	.110
1.5978E+02	16.75	.195	1.5463E+02	7.54	.194	1.4973E+02	31.69	.078
1.5966E+02	22.31	.229	1.5452E+02	9.20	.199	1.4963E+02	31.34	.083
1.5955E+02	28.87	.269	1.5441E+02	13.51	.280	1.4952E+02	30.75	.088
1.5944E+02	37.60	.170	1.5431E+02	20.83	.203	1.4942E+02	30.00	.077
1.5932E+02	45.82	.140	1.5420E+02	30.36	.150	1.4931E+02	29.10	.087
1.5921E+02	45.00	.084	1.5409E+02	36.83	.112	1.4921E+02	28.20	.084
1.5909E+02	44.14	.086	1.5398E+02	37.95	.075	1.4911E+02	27.55	.078
1.5898E+02	42.15	.086	1.5387E+02	36.09	.086	1.4901E+02	26.71	.087
1.5886E+02	41.84	.078	1.5376E+02	31.24	.083	1.4890E+02	25.33	.078
1.5875E+02	41.00	.088	1.5365E+02	30.33	.079	1.4880E+02	25.26	.088
1.5864E+02	40.79	.084	1.5355E+02	30.11	.077	1.4870E+02	24.26	.080
1.5852E+02	38.92	.078	1.5344E+02	29.07	.076	1.4859E+02	22.79	.089
1.5841E+02	36.43	.089	1.5333E+02	28.33	.080	1.4849E+02	21.01	.079
1.5830E+02	33.02	.085	1.5322E+02	26.02	.082	1.4839E+02	19.80	.079
1.5819E+02	29.03	.082	1.5311E+02	24.28	.081	1.4828E+02	19.27	.080
1.5807E+02	24.52	.092	1.5301E+02	22.39	.083	1.4818E+02	18.08	.093
1.5796E+02	21.99	.088	1.5290E+02	20.34	.079	1.4808E+02	18.04	.080
1.5785E+02	19.50	.092	1.5279E+02	18.51	.083	1.4798E+02	18.25	.091
1.5773E+02	17.92	.081	1.5269E+02	16.64	.090	1.4788E+02	18.21	.080
1.5762E+02	16.43	.082	1.5258E+02	14.87	.101	1.4777E+02	18.37	.090
1.5751E+02	16.20	.086	1.5247E+02	14.26	.081	1.4767E+02	18.30	.079
1.5740E+02	16.07	.086	1.5236E+02	13.06	.096	1.4757E+02	18.36	.090
1.5728E+02	15.27	.094	1.5226E+02	11.31	.098	1.4747E+02	18.62	.097
1.5717E+02	15.19	.081	1.5215E+02	10.62	.085	1.4737E+02	18.35	.090
1.5706E+02	15.16	.093	1.5205E+02	10.08	.100	1.4727E+02	19.35	.083
1.5695E+02	14.85	.089	1.5194E+02	9.63	.094	1.4716E+02	18.31	.090
1.5684E+02	14.67	.086	1.5183E+02	8.84	.101	1.4706E+02	18.08	.080
1.5673E+02	14.61	.080	1.5173E+02	8.73	.095	1.4696E+02	17.89	.091
1.5662E+02	13.80	.095	1.5162E+02	7.99	.104	1.4686E+02	17.66	.079
1.5650E+02	12.34	.092	1.5151E+02	7.28	.108	1.4676E+02	18.23	.082
1.5639E+02	11.79	.086	1.5141E+02	6.85	.096	1.4666E+02	18.52	.089
1.5628E+02	10.63	.096	1.5130E+02	6.45	.110	1.4656E+02	18.63	.087
1.5617E+02	9.60	.101	1.5120E+02	6.17	.093	1.4646E+02	18.96	.081

E (EV)	S(B)	DS/S	E (EV)	S(B)	DS/S	E (EV)	S(B)	DS/S
1.4636E+02	20.26	.090	1.4089E+02	50.79	.084	1.3509E+02	21.65	.112
1.4626E+02	21.61	.082	1.4079E+02	46.47	.087	1.3491E+02	21.02	.112
1.4616E+02	24.71	.087	1.4070E+02	42.58	.087	1.3474E+02	22.03	.089
1.4606E+02	30.93	.083	1.4060E+02	38.87	.094	1.3456E+02	25.18	.103
1.4596E+02	37.30	.136	1.4051E+02	35.46	.106	1.3447E+02	24.03	.109
1.4586E+02	47.81	.202	1.4032E+02	31.59	.087	1.3438E+02	23.19	.094
1.4576E+02	66.59	.161	1.4023E+02	28.67	.089	1.3420E+02	21.87	.111
1.4566E+02	92.33	.090	1.4013E+02	26.47	.095	1.3403E+02	21.45	.111
1.4556E+02	106.43	.089	1.4004E+02	24.08	.081	1.3394E+02	20.90	.104
1.4546E+02	106.93	.080	1.3985E+02	21.39	.113	1.3377E+02	22.84	.110
1.4536E+02	107.15	.085	1.3976E+02	19.90	.112	1.3368E+02	24.50	.098
1.4526E+02	103.99	.083	1.3966E+02	18.86	.095	1.3359E+02	26.50	.104
1.4516E+02	100.32	.075	1.3957E+02	17.44	.104	1.3341E+02	28.81	.108
1.4506E+02	96.92	.075	1.3938E+02	16.31	.119	1.3324E+02	26.91	.108
1.4496E+02	91.52	.077	1.3929E+02	15.28	.109	1.3307E+02	25.15	.109
1.4486E+02	86.41	.077	1.3919E+02	14.72	.096	1.3289E+02	22.44	.110
1.4476E+02	82.90	.082	1.3901E+02	13.51	.123	1.3281E+02	21.31	.082
1.4466E+02	79.25	.077	1.3891E+02	12.38	.090	1.3263E+02	17.66	.090
1.4456E+02	71.98	.077	1.3873E+02	11.18	.126	1.3254E+02	16.27	.091
1.4447E+02	65.03	.080	1.3864E+02	10.74	.101	1.3246E+02	14.70	.092
1.4437E+02	61.12	.084	1.3845E+02	8.93	.102	1.3237E+02	13.07	.096
1.4427E+02	59.21	.077	1.3817E+02	7.36	.129	1.3228E+02	11.59	.102
1.4417E+02	59.10	.077	1.3808E+02	6.92	.138	1.3211E+02	9.88	.097
1.4407E+02	60.68	.088	1.3790E+02	7.69	.157	1.3194E+02	8.94	.126
1.4397E+02	63.78	.082	1.3771E+02	11.17	.112	1.3177E+02	8.53	.122
1.4388E+02	67.57	.082	1.3762E+02	13.14	.101	1.3168E+02	8.46	.127
1.4378E+02	70.23	.079	1.3753E+02	15.79	.098	1.3160E+02	8.92	.104
1.4368E+02	72.69	.077	1.3735E+02	17.63	.118	1.3151E+02	9.76	.108
1.4358E+02	72.05	.079	1.3726E+02	16.60	.086	1.3143E+02	10.43	.114
1.4348E+02	71.61	.088	1.3707E+02	14.49	.122	1.3134E+02	12.31	.133
1.4339E+02	72.03	.076	1.3698E+02	14.11	.097	1.3117E+02	21.44	.099
1.4329E+02	70.65	.108	1.3680E+02	12.95	.124	1.3100E+02	27.26	.105
1.4319E+02	70.62	.104	1.3671E+02	11.93	.123	1.3091E+02	28.50	.107
1.4310E+02	70.61	.091	1.3653E+02	10.29	.101	1.3074E+02	27.33	.107
1.4300E+02	74.12	.079	1.3644E+02	8.86	.106	1.3066E+02	26.40	.098
1.4281E+02	88.90	.088	1.3635E+02	7.60	.108	1.3049E+02	25.65	.108
1.4271E+02	103.10	.087	1.3626E+02	6.56	.118	1.3024E+02	25.54	.107
1.4251E+02	110.00	.104	1.3608E+02	6.76	.108	1.3015E+02	25.96	.104
1.4232E+02	107.59	.085	1.3590E+02	8.16	.104	1.2998E+02	25.67	.108
1.4213E+02	103.27	.103	1.3581E+02	10.00	.107	1.2990E+02	24.52	.094
1.4194E+02	98.07	.084	1.3572E+02	13.92	.103	1.2973E+02	22.52	.109
1.4174E+02	92.13	.103	1.3563E+02	18.04	.104	1.2965E+02	21.32	.112
1.4155E+02	86.15	.084	1.3554E+02	20.64	.105	1.2948E+02	21.67	.112
1.4136E+02	77.24	.085	1.3545E+02	21.72	.114	1.2931E+02	21.29	.091
1.4127E+02	70.34	.084	1.3527E+02	22.61	.091	1.2915E+02	19.38	.113
1.4108E+02	59.45	.103	1.3518E+02	22.60	.104	1.2906E+02	18.54	.094

E (EV)	S (B)	DS/S	E (EV)	S (B)	DS/S	E (EV)	S (B)	DS/S
1.2898E+02	17.29	.098	1.2343E+02	19.16	.090	1.1801E+02	57.68	.083
1.2873E+02	16.01	.113	1.2327E+02	27.73	.093	1.1794E+02	63.63	.083
1.2857E+02	15.58	.113	1.2320E+02	33.01	.087	1.1787E+02	72.76	.083
1.2840E+02	15.58	.113	1.2312E+02	40.13	.090	1.1779E+02	86.36	.094
1.2832E+02	15.56	.110	1.2304E+02	53.02	.099	1.1772E+02	109.51	.084
1.2823E+02	16.67	.091	1.2296E+02	69.27	.091	1.1765E+02	134.55	.081
1.2815E+02	19.09	.091	1.2289E+02	81.82	.085	1.1750E+02	154.93	.094
1.2807E+02	21.96	.092	1.2281E+02	90.70	.085	1.1743E+02	157.85	.080
1.2799E+02	26.37	.095	1.2273E+02	101.76	.085	1.1728E+02	151.37	.095
1.2791E+02	32.46	.104	1.2258E+02	115.16	.099	1.1721E+02	144.74	.080
1.2782E+02	39.54	.100	1.2250E+02	122.42	.087	1.1714E+02	137.91	.081
1.2774E+02	46.88	.078	1.2242E+02	132.13	.087	1.1707E+02	121.18	.081
1.2758E+02	56.03	.101	1.2227E+02	147.07	.097	1.1692E+02	107.41	.096
1.2741E+02	58.72	.101	1.2212E+02	150.09	.097	1.1685E+02	96.25	.081
1.2725E+02	59.15	.098	1.2196E+02	149.98	.097	1.1678E+02	86.85	.081
1.2717E+02	58.50	.102	1.2189E+02	138.35	.097	1.1670E+02	79.32	.081
1.2701E+02	58.39	.103	1.2174E+02	126.07	.098	1.1663E+02	70.95	.081
1.2693E+02	55.72	.091	1.2158E+02	109.38	.082	1.1656E+02	62.93	.081
1.2685E+02	50.58	.095	1.2143E+02	98.66	.099	1.1641E+02	52.89	.097
1.2676E+02	46.39	.099	1.2128E+02	90.39	.089	1.1627E+02	49.32	.097
1.2668E+02	42.68	.104	1.2120E+02	85.41	.100	1.1620E+02	50.23	.082
1.2660E+02	38.20	.080	1.2105E+02	80.23	.100	1.1605E+02	53.47	.097
1.2636E+02	37.16	.087	1.2090E+02	78.47	.082	1.1598E+02	55.09	.082
1.2612E+02	42.36	.087	1.2068E+02	86.66	.099	1.1584E+02	59.10	.098
1.2604E+02	45.98	.087	1.2053E+02	93.84	.082	1.1569E+02	58.63	.098
1.2588E+02	47.85	.106	1.2045E+02	96.53	.099	1.1562E+02	57.03	.082
1.2580E+02	46.19	.091	1.2030E+02	100.25	.099	1.1547E+02	49.71	.098
1.2564E+02	41.74	.107	1.2015E+02	106.31	.099	1.1540E+02	47.53	.082
1.2556E+02	38.91	.101	1.2008E+02	116.09	.100	1.1533E+02	47.49	.082
1.2540E+02	35.35	.108	1.2000E+02	123.90	.083	1.1526E+02	38.81	.082
1.2532E+02	31.23	.082	1.1993E+02	138.30	.083	1.1511E+02	31.10	.103
1.2516E+02	25.97	.097	1.1978E+02	152.28	.100	1.1504E+02	28.33	.083
1.2508E+02	23.53	.109	1.1963E+02	150.85	.099	1.1497E+02	24.90	.083
1.2500E+02	20.46	.091	1.1948E+02	139.21	.099	1.1490E+02	27.49	.083
1.2484E+02	17.15	.093	1.1933E+02	120.86	.099	1.1483E+02	20.58	.084
1.2476E+02	16.34	.116	1.1918E+02	107.09	.099	1.1475E+02	18.34	.084
1.2468E+02	15.21	.118	1.1904E+02	92.08	.099	1.1461E+02	14.52	.106
1.2461E+02	14.73	.095	1.1896E+02	84.78	.083	1.1454E+02	13.87	.087
1.2453E+02	13.74	.096	1.1889E+02	76.70	.084	1.1447E+02	12.89	.088
1.2437E+02	12.88	.120	1.1882E+02	69.82	.084	1.1439E+02	12.01	.088
1.2421E+02	12.51	.120	1.1867E+02	56.47	.102	1.1432E+02	11.26	.089
1.2398E+02	12.50	.119	1.1852E+02	52.80	.102	1.1425E+02	11.03	.090
1.2382E+02	12.73	.118	1.1845E+02	51.50	.086	1.1411E+02	11.92	.110
1.2374E+02	13.52	.087	1.1830E+02	50.82	.101	1.1404E+02	12.29	.089
1.2359E+02	15.46	.099	1.1816E+02	53.37	.100	1.1396E+02	12.66	.089
1.2351E+02	16.53	.112	1.1809E+02	54.76	.084	1.1389E+02	12.45	.089

E (EV)	S(B)	DS/S	E (EV)	S(B)	DS/S	E (EV)	S(B)	DS/S
1.1382E+02	11.76	.090	1.0964E+02	9.72	.122	1.0484E+02	17.70	.095
1.1368E+02	10.54	.115	1.0949E+02	9.00	.125	1.0477E+02	15.87	.096
1.1353E+02	9.42	.119	1.0936E+02	8.26	.100	1.0470E+02	14.29	.097
1.1346E+02	9.01	.095	1.0928E+02	8.25	.128	1.0463E+02	12.88	.098
1.1339E+02	8.25	.096	1.0914E+02	9.79	.102	1.0457E+02	11.90	.098
1.1332E+02	7.37	.098	1.0907E+02	12.73	.101	1.0450E+02	11.14	.099
1.1325E+02	6.42	.101	1.0900E+02	16.08	.094	1.0443E+02	10.64	.119
1.1318E+02	5.72	.103	1.0893E+02	19.49	.092	1.0429E+02	9.88	.120
1.1311E+02	5.28	.105	1.0886E+02	21.07	.115	1.0415E+02	9.26	.101
1.1303E+02	4.86	.107	1.0872E+02	22.50	.114	1.0409E+02	8.67	.122
1.1296E+02	4.45	.109	1.0858E+02	23.80	.091	1.0395E+02	8.24	.101
1.1289E+02	4.04	.112	1.0851E+02	24.07	.112	1.0388E+02	8.47	.101
1.1282E+02	3.78	.114	1.0837E+02	24.96	.090	1.0381E+02	8.75	.121
1.1268E+02	3.82	.149	1.0830E+02	25.25	.111	1.0368E+02	8.58	.100
1.1254E+02	3.68	.150	1.0816E+02	26.31	.089	1.0361E+02	8.53	.121
1.1239E+02	3.55	.152	1.0809E+02	26.80	.109	1.0347E+02	8.63	.120
1.1232E+02	3.55	.115	1.0796E+02	28.70	.087	1.0333E+02	9.23	.098
1.1211E+02	3.72	.114	1.0789E+02	29.41	.106	1.0327E+02	9.93	.097
1.1204E+02	3.97	.112	1.0775E+02	30.99	.104	1.0320E+02	10.91	.096
1.1197E+02	4.24	.110	1.0761E+02	30.46	.085	1.0313E+02	11.94	.095
1.1190E+02	4.53	.109	1.0754E+02	29.94	.102	1.0306E+02	13.09	.094
1.1182E+02	4.70	.140	1.0740E+02	29.34	.102	1.0299E+02	14.81	.093
1.1168E+02	5.18	.106	1.0726E+02	29.26	.086	1.0293E+02	17.35	.095
1.1161E+02	5.61	.104	1.0719E+02	29.77	.104	1.0286E+02	20.35	.090
1.1154E+02	6.21	.102	1.0705E+02	30.86	.105	1.0279E+02	23.27	.090
1.1147E+02	7.10	.099	1.0691E+02	31.37	.106	1.0272E+02	27.51	.095
1.1140E+02	8.40	.097	1.0677E+02	30.41	.089	1.0265E+02	33.11	.089
1.1133E+02	10.26	.095	1.0670E+02	28.90	.089	1.0259E+02	38.25	.117
1.1126E+02	13.13	.093	1.0664E+02	28.19	.108	1.0245E+02	47.43	.086
1.1119E+02	17.61	.093	1.0650E+02	25.82	.091	1.0238E+02	49.62	.086
1.1112E+02	22.75	.092	1.0643E+02	23.75	.092	1.0231E+02	51.87	.098
1.1105E+02	26.62	.088	1.0636E+02	22.56	.111	1.0218E+02	50.25	.086
1.1097E+02	28.13	.105	1.0622E+02	22.60	.111	1.0211E+02	49.08	.086
1.1083E+02	28.45	.104	1.0608E+02	22.42	.111	1.0204E+02	46.73	.087
1.1069E+02	27.40	.085	1.0594E+02	22.04	.091	1.0197E+02	43.42	.087
1.1062E+02	26.81	.104	1.0587E+02	22.29	.091	1.0191E+02	41.76	.100
1.1048E+02	23.89	.086	1.0580E+02	23.62	.090	1.0177E+02	36.47	.106
1.1041E+02	22.20	.087	1.0574E+02	26.15	.089	1.0164E+02	30.13	.091
1.1034E+02	20.25	.088	1.0567E+02	28.26	.089	1.0157E+02	26.79	.093
1.1027E+02	18.87	.108	1.0560E+02	29.35	.107	1.0150E+02	23.32	.094
1.1013E+02	14.82	.090	1.0546E+02	29.29	.107	1.0143E+02	21.59	.108
1.1006E+02	13.54	.091	1.0532E+02	27.83	.109	1.0130E+02	18.86	.096
1.0999E+02	12.50	.092	1.0518E+02	25.38	.092	1.0123E+02	16.98	.097
1.0992E+02	11.64	.093	1.0511E+02	24.19	.111	1.0116E+02	15.91	.111
1.0985E+02	10.85	.095	1.0498E+02	21.40	.094	1.0103E+02	14.37	.099
1.0978E+02	10.40	.120	1.0491E+02	19.41	.094	1.0096E+02	13.05	.100

E (EV)	S (B)	DS/S	E (EV)	S (B)	DS/S	E (EV)	S (B)	DS/S
1.0089E+02	11.95	.116	9.7351E+01	32.53	.094	9.4198E+01	28.84	.096
1.0076E+02	10.66	.102	9.7284E+01	31.19	.095	9.4133E+01	28.84	.100
1.0069E+02	9.54	.103	9.7218E+01	29.41	.095	9.4002E+01	30.28	.100
1.0062E+02	8.55	.104	9.7152E+01	27.93	.095	9.3872E+01	30.53	.098
1.0055E+02	7.74	.106	9.7086E+01	27.75	.096	9.3807E+01	29.68	.101
1.0049E+02	7.19	.122	9.7020E+01	28.05	.096	9.3677E+01	27.41	.100
1.0035E+02	6.43	.124	9.6954E+01	28.48	.096	9.3612E+01	26.09	.101
1.0022E+02	5.99	.107	9.6888E+01	30.10	.095	9.3547E+01	24.13	.102
1.0015E+02	5.99	.122	9.6822E+01	33.18	.095	9.3482E+01	21.50	.103
1.0002E+02	6.36	.103	9.6756E+01	37.30	.095	9.3418E+01	19.61	.104
9.9950E+01	6.77	.101	9.6689E+01	40.21	.095	9.3353E+01	17.72	.105
9.9883E+01	7.21	.100	9.6624E+01	42.77	.095	9.3288E+01	15.99	.107
9.9816E+01	7.50	.098	9.6557E+01	46.41	.094	9.3223E+01	13.56	.109
9.9749E+01	8.34	.095	9.6492E+01	48.13	.094	9.3158E+01	11.71	.111
9.9682E+01	10.25	.098	9.6426E+01	48.96	.095	9.3093E+01	10.87	.112
9.9615E+01	13.40	.102	9.6360E+01	48.65	.095	9.3029E+01	9.65	.114
9.9548E+01	18.18	.106	9.6294E+01	45.91	.095	9.2964E+01	8.28	.117
9.9481E+01	24.22	.110	9.6228E+01	43.58	.095	9.2899E+01	7.45	.119
9.9414E+01	29.90	.091	9.6162E+01	39.90	.096	9.2834E+01	6.61	.122
9.9347E+01	35.45	.094	9.6096E+01	36.34	.097	9.2770E+01	6.31	.123
9.9281E+01	38.05	.096	9.6031E+01	34.17	.098	9.2705E+01	5.92	.125
9.9214E+01	39.12	.097	9.5965E+01	30.93	.100	9.2641E+01	5.30	.128
9.9147E+01	39.57	.107	9.5899E+01	27.04	.099	9.2576E+01	4.93	.130
9.9013E+01	41.89	.095	9.5833E+01	24.24	.101	9.2511E+01	4.41	.134
9.8947E+01	42.05	.094	9.5768E+01	21.17	.102	9.2447E+01	4.14	.137
9.8880E+01	41.94	.094	9.5702E+01	19.27	.103	9.2382E+01	3.99	.139
9.8813E+01	40.72	.103	9.5636E+01	18.05	.103	9.2318E+01	3.88	.140
9.8680E+01	38.73	.093	9.5571E+01	16.67	.104	9.2253E+01	3.67	.143
9.8613E+01	37.25	.093	9.5505E+01	15.94	.104	9.2189E+01	3.44	.145
9.8546E+01	35.47	.093	9.5439E+01	15.37	.104	9.2124E+01	3.34	.146
9.8480E+01	33.51	.093	9.5374E+01	14.69	.105	9.2060E+01	3.40	.145
9.8413E+01	31.74	.093	9.5308E+01	14.04	.105	9.1996E+01	3.52	.143
9.8347E+01	30.57	.093	9.5243E+01	13.40	.106	9.1931E+01	3.69	.141
9.8280E+01	29.45	.093	9.5177E+01	12.69	.106	9.1867E+01	3.94	.138
9.8213E+01	28.51	.101	9.5112E+01	12.33	.106	9.1803E+01	4.20	.136
9.8080E+01	30.18	.092	9.5046E+01	11.87	.106	9.1738E+01	4.48	.133
9.8014E+01	32.19	.092	9.4981E+01	11.47	.106	9.1674E+01	4.86	.131
9.7948E+01	34.52	.092	9.4916E+01	11.87	.105	9.1610E+01	5.64	.127
9.7881E+01	36.47	.092	9.4850E+01	13.45	.103	9.1546E+01	6.53	.123
9.7815E+01	37.89	.092	9.4785E+01	14.55	.102	9.1481E+01	7.16	.120
9.7748E+01	39.21	.092	9.4720E+01	17.03	.100	9.1417E+01	7.79	.119
9.7682E+01	39.46	.092	9.4654E+01	19.76	.099	9.1353E+01	8.39	.117
9.7616E+01	38.89	.093	9.4589E+01	23.19	.100	9.1289E+01	8.80	.116
9.7549E+01	37.33	.093	9.4524E+01	26.65	.097	9.1225E+01	9.22	.115
9.7483E+01	35.57	.093	9.4458E+01	27.67	.100	9.1161E+01	9.40	.114
9.7417E+01	34.14	.094	9.4328E+01	28.81	.099	9.1097E+01	9.84	.113

E (EV)	S (B)	DS/S	E (EV)	S (B)	DS/S	E (EV)	S (B)	DS/S
9.1032E+01	10.31	.111	8.8047E+01	72.83	.099	8.4988E+01	79.13	.090
9.0968E+01	10.71	.110	8.7984E+01	87.89	.100	8.4864E+01	79.25	.100
9.0904E+01	11.43	.109	8.7858E+01	100.52	.099	8.4802E+01	74.68	.090
9.0840E+01	12.09	.107	8.7795E+01	100.10	.093	8.4740E+01	70.02	.091
9.0776E+01	13.50	.106	8.7733E+01	99.20	.092	8.4679E+01	63.33	.092
9.0713E+01	15.21	.104	8.7670E+01	93.90	.092	8.4617E+01	57.29	.091
9.0649E+01	17.00	.102	8.7607E+01	88.01	.093	8.4555E+01	53.20	.091
9.0585E+01	16.91	.102	8.7544E+01	77.80	.095	8.4493E+01	48.36	.093
9.0457E+01	16.90	.104	8.7481E+01	69.72	.092	8.4432E+01	42.66	.094
9.0393E+01	17.20	.101	8.7418E+01	63.39	.095	8.4370E+01	37.81	.092
9.0329E+01	17.68	.101	8.7356E+01	55.17	.097	8.4308E+01	33.78	.096
9.0265E+01	17.70	.100	8.7293E+01	47.85	.092	8.4247E+01	29.96	.093
9.0202E+01	18.49	.100	8.7230E+01	41.80	.102	8.4185E+01	27.91	.094
9.0138E+01	20.53	.099	8.7168E+01	34.93	.093	8.4124E+01	25.46	.095
9.0074E+01	24.19	.103	8.7105E+01	31.30	.094	8.4062E+01	22.34	.095
9.0011E+01	28.79	.098	8.7042E+01	27.93	.094	8.4001E+01	20.33	.096
8.9947E+01	32.00	.097	8.6980E+01	25.27	.095	8.3939E+01	19.59	.097
8.9883E+01	34.57	.097	8.6917E+01	23.51	.095	8.3878E+01	16.73	.098
8.9820E+01	37.25	.097	8.6854E+01	23.12	.096	8.3816E+01	15.10	.099
8.9756E+01	37.39	.097	8.6792E+01	22.52	.096	8.3755E+01	14.05	.100
8.9692E+01	37.41	.097	8.6729E+01	22.25	.096	8.3693E+01	12.90	.100
8.9629E+01	36.62	.097	8.6667E+01	22.41	.096	8.3632E+01	12.03	.101
8.9565E+01	33.55	.097	8.6604E+01	24.64	.096	8.3509E+01	11.14	.117
8.9502E+01	30.21	.097	8.6542E+01	26.96	.095	8.3448E+01	10.67	.102
8.9438E+01	26.80	.098	8.6479E+01	30.22	.096	8.3325E+01	10.57	.117
8.9375E+01	23.43	.099	8.6417E+01	33.82	.094	8.3264E+01	11.35	.102
8.9311E+01	20.99	.099	8.6355E+01	35.34	.093	8.3202E+01	12.87	.100
8.9248E+01	18.44	.102	8.6292E+01	35.21	.093	8.3141E+01	15.54	.104
8.9185E+01	15.52	.102	8.6168E+01	33.83	.101	8.3019E+01	19.86	.110
8.9121E+01	13.63	.103	8.6105E+01	33.01	.092	8.2958E+01	19.86	.096
8.9058E+01	12.71	.104	8.6043E+01	31.80	.092	8.2897E+01	21.20	.095
8.8994E+01	11.92	.105	8.5981E+01	30.59	.093	8.2836E+01	22.31	.095
8.8931E+01	11.17	.106	8.5919E+01	28.95	.093	8.2774E+01	22.73	.094
8.8868E+01	10.38	.107	8.5856E+01	28.46	.093	8.2652E+01	21.79	.108
8.8805E+01	9.80	.107	8.5732E+01	28.44	.102	8.2591E+01	21.19	.093
8.8741E+01	9.76	.108	8.5670E+01	28.21	.093	8.2530E+01	20.30	.093
8.8678E+01	10.18	.107	8.5608E+01	28.64	.093	8.2408E+01	19.21	.108
8.8615E+01	10.66	.107	8.5546E+01	30.20	.093	8.2347E+01	18.17	.093
8.8552E+01	11.36	.106	8.5484E+01	33.41	.092	8.2226E+01	16.38	.108
8.8489E+01	12.54	.105	8.5421E+01	38.80	.094	8.2165E+01	15.12	.094
8.8425E+01	14.38	.104	8.5360E+01	45.17	.093	8.2104E+01	14.13	.094
8.8362E+01	16.22	.103	8.5298E+01	52.57	.094	8.2043E+01	14.70	.095
8.8299E+01	20.64	.152	8.5235E+01	61.87	.091	8.1982E+01	16.40	.094
8.8236E+01	30.28	.130	8.5173E+01	67.77	.090	8.1922E+01	19.06	.096
8.8173E+01	45.04	.146	8.5112E+01	72.73	.090	8.1861E+01	23.77	.100
8.8110E+01	60.05	.101	8.5050E+01	76.63	.090	8.1800E+01	28.55	.092

E (EV)	S (B)	DS/S	E (EV)	S (B)	DS/S	E (EV)	S (B)	DS/S
8.1739E+01	37.83	.138	7.8793E+01	19.85	.090	7.5549E+01	48.52	.087
8.1679E+01	53.55	.116	7.8733E+01	18.56	.091	7.5491E+01	52.29	.084
8.1618E+01	67.67	.090	7.8673E+01	17.11	.091	7.5432E+01	51.00	.084
8.1557E+01	75.46	.087	7.8614E+01	16.00	.092	7.5316E+01	44.77	.107
8.1497E+01	85.09	.087	7.8495E+01	15.14	.112	7.5258E+01	40.99	.085
8.1436E+01	89.90	.087	7.8435E+01	14.86	.093	7.5199E+01	34.78	.087
8.1376E+01	90.61	.087	7.8376E+01	14.37	.093	7.5141E+01	28.51	.091
8.1255E+01	82.73	.100	7.8316E+01	15.27	.095	7.5083E+01	23.34	.089
8.1194E+01	74.22	.095	7.8198E+01	17.74	.112	7.5025E+01	20.32	.087
8.1134E+01	62.16	.087	7.8138E+01	18.53	.093	7.4967E+01	18.26	.087
8.1073E+01	53.27	.093	7.8079E+01	20.04	.093	7.4909E+01	15.86	.090
8.1013E+01	43.99	.096	7.8020E+01	21.65	.092	7.4792E+01	12.49	.112
8.0952E+01	37.31	.089	7.79C1E+01	24.40	.111	7.4734E+01	11.91	.091
8.0892E+01	33.17	.088	7.7783E+01	26.13	.112	7.4676E+01	10.96	.091
8.0832E+01	29.59	.089	7.7724E+01	26.66	.092	7.4618E+01	9.69	.092
8.0771E+01	26.89	.090	7.7664E+01	26.95	.091	7.4560E+01	8.59	.094
8.0711E+01	24.11	.090	7.76C5E+01	27.49	.091	7.4444E+01	7.90	.119
8.0651E+01	22.37	.091	7.7546E+01	29.07	.091	7.4387E+01	7.86	.095
8.0590E+01	20.60	.091	7.7487E+01	31.56	.090	7.4329E+01	7.88	.095
8.0530E+01	19.02	.092	7.7428E+01	34.48	.090	7.4271E+01	8.01	.095
8.0470E+01	17.76	.093	7.7369E+01	37.92	.089	7.4213E+01	8.25	.094
8.0410E+01	16.32	.093	7.7251E+01	42.06	.105	7.4097E+01	8.86	.116
8.0289E+01	14.86	.113	7.7192E+01	43.99	.087	7.4039E+01	8.67	.093
8.0229E+01	14.69	.095	7.7133E+01	44.52	.087	7.3982E+01	8.10	.094
8.0169E+01	14.73	.094	7.7074E+01	42.36	.086	7.3924E+01	7.38	.095
8.0109E+01	15.10	.094	7.7015E+01	39.35	.086	7.3866E+01	6.80	.096
8.0049E+01	15.45	.093	7.6956E+01	36.63	.086	7.3809E+01	6.16	.097
7.9989E+01	16.41	.093	7.6897E+01	33.42	.086	7.3751E+01	5.46	.099
7.9929E+01	18.97	.096	7.6838E+01	30.58	.087	7.3693E+01	4.87	.101
7.9869E+01	24.19	.105	7.6779E+01	27.31	.087	7.3636E+01	4.65	.102
7.9809E+01	34.65	.111	7.6721E+01	24.16	.087	7.3578E+01	4.57	.102
7.9749E+01	47.63	.093	7.6662E+01	21.62	.088	7.3521E+01	4.57	.102
7.9689E+01	61.32	.100	7.6603E+01	19.27	.088	7.3463E+01	4.70	.102
7.9629E+01	70.72	.088	7.6544E+01	17.50	.089	7.3405E+01	4.78	.101
7.9509E+01	73.99	.100	7.6427E+01	15.16	.111	7.3348E+01	4.63	.102
7.9449E+01	72.53	.086	7.6368E+01	13.67	.090	7.3233E+01	4.61	.130
7.9390E+01	68.86	.086	7.6310E+01	12.35	.091	7.3175E+01	5.16	.100
7.9330E+01	62.03	.087	7.6192E+01	11.53	.113	7.3118E+01	6.39	.099
7.9270E+01	54.41	.090	7.6134E+01	11.02	.092	7.3061E+01	8.29	.099
7.9210E+01	47.66	.087	7.6017E+01	10.64	.114	7.3003E+01	10.52	.094
7.9150E+01	41.43	.090	7.59C0E+01	13.61	.129	7.2946E+01	12.58	.091
7.9091E+01	34.51	.096	7.5841E+01	16.34	.096	7.2889E+01	15.31	.094
7.9031E+01	29.00	.090	7.5783E+01	21.06	.093	7.2831E+01	18.99	.090
7.8971E+01	25.21	.088	7.5724E+01	26.44	.097	7.2774E+01	22.17	.087
7.8912E+01	22.61	.089	7.5666E+01	33.24	.089	7.2717E+01	24.33	.087
7.8852E+01	21.10	.090	7.5607E+01	40.46	.092	7.2660E+01	25.86	.086

E (EV)	S(B)	DS/S	E (EV)	S(B)	DS/S	E (EV)	S(B)	DS/S
7.2602E+01	25.92	.086	6.9883E+01	2.75	.115	6.7269E+01	9.50	.092
7.2545E+01	23.74	.089	6.9826E+01	3.22	.111	6.7214E+01	11.89	.093
7.2488E+01	20.87	.089	6.9770E+01	3.91	.107	6.7159E+01	14.73	.092
7.2431E+01	18.57	.088	6.9714E+01	4.77	.103	6.7104E+01	16.14	.089
7.2374E+01	16.40	.089	6.9658E+01	6.13	.109	6.7049E+01	15.83	.089
7.2317E+01	14.45	.090	6.9602E+01	8.25	.102	6.6994E+01	15.95	.089
7.2260E+01	12.77	.091	6.9546E+01	11.08	.103	6.6939E+01	14.42	.089
7.2202E+01	11.10	.092	6.9490E+01	14.50	.099	6.6885E+01	16.71	.089
7.2145E+01	9.80	.093	6.9434E+01	17.60	.088	6.6830E+01	16.48	.089
7.2088E+01	9.33	.093	6.9378E+01	19.37	.087	6.6775E+01	15.96	.090
7.2031E+01	9.18	.093	6.9322E+01	20.02	.087	6.6720E+01	15.72	.090
7.1974E+01	8.86	.093	6.9266E+01	20.00	.086	6.6665E+01	15.91	.090
7.1918E+01	7.92	.095	6.9211E+01	19.02	.087	6.6610E+01	16.70	.090
7.1861E+01	6.73	.096	6.9155E+01	17.01	.087	6.6555E+01	18.43	.089
7.1804E+01	6.27	.097	6.9099E+01	14.61	.089	6.6501E+01	21.13	.088
7.1747E+01	6.19	.097	6.9043E+01	12.13	.092	6.6446E+01	24.93	.089
7.1690E+01	6.19	.097	6.8987E+01	9.85	.096	6.6391E+01	30.08	.091
7.1633E+01	6.37	.097	6.8932E+01	7.90	.094	6.6337E+01	36.13	.090
7.1576E+01	6.44	.096	6.8876E+01	6.59	.096	6.6282E+01	43.35	.090
7.1519E+01	6.10	.097	6.8820E+01	5.83	.098	6.6227E+01	50.97	.088
7.1463E+01	5.61	.098	6.8765E+01	5.32	.100	6.6173E+01	60.21	.092
7.1406E+01	5.49	.098	6.8709E+01	4.74	.102	6.6118E+01	76.14	.097
7.1349E+01	5.18	.099	6.8653E+01	4.24	.104	6.6063E+01	98.14	.093
7.1293E+01	4.60	.101	6.8597E+01	4.02	.105	6.6009E+01	119.67	.094
7.1236E+01	4.48	.102	6.8542E+01	3.89	.105	6.5954E+01	143.96	.092
7.1179E+01	4.64	.101	6.8486E+01	3.65	.107	6.5900E+01	171.35	.091
7.1123E+01	4.51	.102	6.8431E+01	3.24	.110	6.5845E+01	190.99	.086
7.1066E+01	4.29	.103	6.8375E+01	2.98	.145	6.5791E+01	203.85	.087
7.0953E+01	3.94	.105	6.8264E+01	2.63	.115	6.5736E+01	209.77	.087
7.0896E+01	3.55	.107	6.8209E+01	2.48	.117	6.5682E+01	202.76	.088
7.0840E+01	3.17	.110	6.8153E+01	2.45	.117	6.5628E+01	193.42	.110
7.0783E+01	2.84	.112	6.8098E+01	2.65	.115	6.5574E+01	160.63	.120
7.0727E+01	2.64	.115	6.8043E+01	2.93	.112	6.5519E+01	105.42	.090
7.0670E+01	2.48	.117	6.7987E+01	3.06	.112	6.5465E+01	85.05	.087
7.0614E+01	2.31	.119	6.7932E+01	3.01	.112	6.5410E+01	76.12	.090
7.0558E+01	2.23	.158	6.7877E+01	2.85	.114	6.5356E+01	65.08	.094
7.0445E+01	2.48	.117	6.7821E+01	2.77	.115	6.5302E+01	55.97	.090
7.0389E+01	2.19	.120	6.7766E+01	2.97	.113	6.5247E+01	48.18	.094
7.0332E+01	2.06	.122	6.7711E+01	3.35	.110	6.5193E+01	41.89	.089
7.0276E+01	2.19	.120	6.7655E+01	3.47	.110	6.5139E+01	37.17	.089
7.0220E+01	2.31	.119	6.7600E+01	3.30	.111	6.5085E+01	32.65	.089
7.0163E+01	2.37	.118	6.7545E+01	3.34	.110	6.4977E+01	28.81	.089
7.0107E+01	2.49	.117	6.7490E+01	3.78	.107	6.4922E+01	25.71	.090
7.0051E+01	2.58	.116	6.7435E+01	4.67	.103	6.4868E+01	22.65	.091
6.9995E+01	2.57	.116	6.7380E+01	6.06	.099	6.4814E+01	20.40	.091
6.9939E+01	2.56	.116	6.7325E+01	7.70	.095	6.4760E+01	18.85	.091



E (EV)	S (B)	DS/S	E (EV)	S (B)	DS/S	E (EV)	S (B)	DS/S
6.4652E+01	17.41	.091	6.1981E+01	3.59	.114	5.9573E+01	11.86	.096
6.4598E+01	15.56	.093	6.1928E+01	4.08	.111	5.9522E+01	13.51	.095
6.4544E+01	13.56	.095	6.1875E+01	4.66	.108	5.9470E+01	14.93	.094
6.4490E+01	12.51	.093	6.1823E+01	5.82	.105	5.9418E+01	16.06	.094
6.4436E+01	11.76	.095	6.1770E+01	7.53	.104	5.9366E+01	16.68	.094
6.4383E+01	10.42	.096	6.1717E+01	9.60	.098	5.9314E+01	16.16	.095
6.4329E+01	9.41	.096	6.1664E+01	11.88	.099	5.9263E+01	14.99	.095
6.4275E+01	8.96	.097	6.1612E+01	14.58	.102	5.9211E+01	13.77	.096
6.4221E+01	8.26	.098	6.1559E+01	15.74	.094	5.9159E+01	12.49	.097
6.4167E+01	7.39	.100	6.1506E+01	15.76	.094	5.9108E+01	11.35	.097
6.4113E+01	6.63	.101	6.1454E+01	15.55	.095	5.9056E+01	11.37	.096
6.4060E+01	6.28	.101	6.1401E+01	14.61	.095	5.9005E+01	12.44	.094
6.4006E+01	5.93	.102	6.1348E+01	13.30	.096	5.8953E+01	14.41	.094
6.3952E+01	5.58	.103	6.1296E+01	12.07	.097	5.8901E+01	16.62	.097
6.3899E+01	5.40	.129	6.1243E+01	10.69	.098	5.8850E+01	21.84	.108
6.3791E+01	5.14	.105	6.1191E+01	9.53	.099	5.8799E+01	30.94	.109
6.3738E+01	5.10	.105	6.1138E+01	8.70	.099	5.8747E+01	39.78	.090
6.3684E+01	5.15	.105	6.1086E+01	8.75	.099	5.8696E+01	45.95	.087
6.3630E+01	5.01	.106	6.1033E+01	8.70	.099	5.8644E+01	42.48	.087
6.3577E+01	4.49	.109	6.0981E+01	8.68	.100	5.8593E+01	42.80	.088
6.3524E+01	4.10	.110	6.0928E+01	8.55	.100	5.8541E+01	47.44	.088
6.3470E+01	4.04	.110	6.0876E+01	8.54	.100	5.8490E+01	44.39	.089
6.3417E+01	4.12	.110	6.0824E+01	8.85	.100	5.8439E+01	39.92	.090
6.3363E+01	4.11	.111	6.0771E+01	8.91	.100	5.8387E+01	35.91	.091
6.3310E+01	4.01	.112	6.0719E+01	9.10	.100	5.8336E+01	33.37	.090
6.3256E+01	3.68	.115	6.0667E+01	9.09	.100	5.8285E+01	33.34	.090
6.3203E+01	3.27	.117	6.0614E+01	8.94	.100	5.8234E+01	34.78	.090
6.3149E+01	3.15	.148	6.0562E+01	8.47	.101	5.8182E+01	39.60	.091
6.3043E+01	3.26	.117	6.0510E+01	7.88	.102	5.8131E+01	47.58	.095
6.2989E+01	3.21	.147	6.0458E+01	7.52	.102	5.8080E+01	56.66	.093
6.2883E+01	3.20	.118	6.0405E+01	6.99	.104	5.8029E+01	69.82	.100
6.2830E+01	3.06	.120	6.0353E+01	6.36	.105	5.7978E+01	80.24	.088
6.2776E+01	2.86	.122	6.0301E+01	6.28	.104	5.7926E+01	89.09	.092
6.2723E+01	2.68	.123	6.0249E+01	6.51	.104	5.7875E+01	97.68	.088
6.2670E+01	2.47	.127	6.0197E+01	6.42	.104	5.7824E+01	109.07	.092
6.2617E+01	2.26	.162	6.0145E+01	6.09	.105	5.7773E+01	124.58	.092
6.2511E+01	2.17	.129	6.0093E+01	5.91	.106	5.7722E+01	141.31	.088
6.2458E+01	2.30	.128	6.0041E+01	6.02	.105	5.7671E+01	154.38	.089
6.2405E+01	2.35	.125	5.9989E+01	6.05	.106	5.7620E+01	159.17	.089
6.2352E+01	2.61	.124	5.9937E+01	5.60	.106	5.7569E+01	157.78	.089
6.2299E+01	2.42	.127	5.9885E+01	6.03	.105	5.7518E+01	158.02	.090
6.2246E+01	2.36	.125	5.9833E+01	6.52	.104	5.7467E+01	146.48	.090
6.2193E+01	2.79	.120	5.9781E+01	6.80	.103	5.7417E+01	128.74	.093
6.2140E+01	3.17	.118	5.9729E+01	7.64	.101	5.7366E+01	113.29	.091
6.2087E+01	3.14	.119	5.9677E+01	8.75	.099	5.7315E+01	99.97	.096
6.2034E+01	3.15	.117	5.9625E+01	10.01	.097	5.7264E+01	85.49	.095

E (EV)	S (B)	DS/S	E (EV)	S (B)	DS/S	E (EV)	S (B)	DS/S
5.7213E+01	72.80	.095	5.4851E+01	18.91	.098	5.2539E+01	19.73	.141
5.7162E+01	61.87	.100	5.4801E+01	20.83	.099	5.2490E+01	30.93	.139
5.7112E+01	53.90	.093	5.4752E+01	22.92	.097	5.2441E+01	52.91	.178
5.7061E+01	47.81	.093	5.4702E+01	24.32	.096	5.2393E+01	85.97	.128
5.7010E+01	42.97	.095	5.4652E+01	26.43	.096	5.2344E+01	133.50	.142
5.6959E+01	39.26	.094	5.4603E+01	30.13	.099	5.2295E+01	209.09	.144
5.6909E+01	38.55	.093	5.4553E+01	34.48	.095	5.2247E+01	281.72	.106
5.6858E+01	39.91	.093	5.4503E+01	40.64	.097	5.2198E+01	345.52	.098
5.6808E+01	42.76	.093	5.4454E+01	48.28	.103	5.2150E+01	386.14	.092
5.6757E+01	48.30	.094	5.4404E+01	58.42	.100	5.2101E+01	384.89	.092
5.6706E+01	57.11	.099	5.4355E+01	68.58	.094	5.2053E+01	362.81	.096
5.6656E+01	69.54	.096	5.4305E+01	78.20	.096	5.2005E+01	336.16	.093
5.6605E+01	82.87	.096	5.4256E+01	88.54	.094	5.1956E+01	285.27	.116
5.6555E+01	101.31	.099	5.4206E+01	101.49	.099	5.1908E+01	272.66	.104
5.6504E+01	119.06	.095	5.4157E+01	117.11	.093	5.1859E+01	186.12	.100
5.6454E+01	130.78	.091	5.4108E+01	132.63	.098	5.1811E+01	158.45	.096
5.6403E+01	137.80	.091	5.4058E+01	148.83	.093	5.1763E+01	134.31	.108
5.6353E+01	139.34	.091	5.4009E+01	158.89	.093	5.1714E+01	119.06	.094
5.6303E+01	140.63	.091	5.3959E+01	165.54	.093	5.1666E+01	105.82	.096
5.6252E+01	141.29	.091	5.3910E+01	165.12	.101	5.1618E+01	91.50	.101
5.6202E+01	144.36	.091	5.3812E+01	158.99	.096	5.1570E+01	81.38	.096
5.6152E+01	147.02	.091	5.3762E+01	143.88	.096	5.1521E+01	77.48	.095
5.6101E+01	145.48	.091	5.3713E+01	129.63	.094	5.1473E+01	76.73	.095
5.6051E+01	134.66	.094	5.3664E+01	116.79	.097	5.1425E+01	77.33	.095
5.6001E+01	119.56	.092	5.3615E+01	100.92	.098	5.1377E+01	77.68	.095
5.5950E+01	106.69	.097	5.3566E+01	85.62	.101	5.1329E+01	78.96	.095
5.5900E+01	92.31	.093	5.3516E+01	72.32	.100	5.1281E+01	77.90	.096
5.5850E+01	77.84	.100	5.3467E+01	61.34	.100	5.1233E+01	68.10	.101
5.5800E+01	66.55	.094	5.3418E+01	51.75	.102	5.1185E+01	56.60	.103
5.5750E+01	56.08	.105	5.3369E+01	43.37	.103	5.1137E+01	50.01	.098
5.5700E+01	45.17	.104	5.3320E+01	37.36	.097	5.1089E+01	43.15	.101
5.5650E+01	38.20	.095	5.3271E+01	33.76	.099	5.1041E+01	35.75	.104
5.5600E+01	34.01	.095	5.3222E+01	28.08	.114	5.0993E+01	29.22	.115
5.5549E+01	30.96	.096	5.3173E+01	24.21	.100	5.0945E+01	21.32	.143
5.5499E+01	28.33	.096	5.3124E+01	21.65	.101	5.0897E+01	16.64	.105
5.5449E+01	24.73	.097	5.3075E+01	18.90	.102	5.0849E+01	14.24	.113
5.5399E+01	21.25	.098	5.3026E+01	16.20	.103	5.0801E+01	11.51	.110
5.5349E+01	19.41	.098	5.2977E+01	14.71	.104	5.0753E+01	9.85	.112
5.5300E+01	18.79	.099	5.2929E+01	12.96	.105	5.0705E+01	8.37	.115
5.5250E+01	18.35	.099	5.2880E+01	11.62	.107	5.0658E+01	7.63	.117
5.5200E+01	17.30	.099	5.2831E+01	10.65	.108	5.0610E+01	6.67	.119
5.5150E+01	16.80	.099	5.2782E+01	10.13	.108	5.0562E+01	5.87	.122
5.5100E+01	16.82	.110	5.2733E+01	9.99	.108	5.0514E+01	5.70	.123
5.5000E+01	16.99	.099	5.2685E+01	10.30	.107	5.0466E+01	5.85	.123
5.4950E+01	17.72	.099	5.2636E+01	11.56	.105	5.0419E+01	5.37	.124
5.4901E+01	18.60	.099	5.2587E+01	13.62	.104	5.0371E+01	5.34	.125

E (EV)	S (B)	DS/S	E (EV)	S (B)	DS/S	E (EV)	S (B)	DS/S
5.0323E+01	4.87	.127	4.8156E+01	84.62	.112	4.5991E+01	10.31	.132
5.0276E+01	4.86	.128	4.8110E+01	72.08	.102	4.5945E+01	16.99	.188
5.0228E+01	4.91	.128	4.8063E+01	63.58	.106	4.5900E+01	28.43	.168
5.0181E+01	4.28	.132	4.8016E+01	49.93	.140	4.5854E+01	41.07	.119
5.0133E+01	4.21	.132	4.7970E+01	38.93	.104	4.5809E+01	57.75	.124
5.0086E+01	4.39	.131	4.7923E+01	35.07	.104	4.5763E+01	76.43	.110
5.0038E+01	4.06	.134	4.7877E+01	33.56	.104	4.5718E+01	90.07	.097
4.9991E+01	3.51	.139	4.7830E+01	33.62	.104	4.5672E+01	93.67	.096
4.9943E+01	3.24	.141	4.7784E+01	34.86	.107	4.5627E+01	87.58	.099
4.9896E+01	3.55	.138	4.7738E+01	41.43	.113	4.5582E+01	77.90	.104
4.9848E+01	3.92	.136	4.7691E+01	48.20	.106	4.5536E+01	61.53	.107
4.9801E+01	3.35	.141	4.7645E+01	53.69	.102	4.5491E+01	47.52	.132
4.9754E+01	3.04	.144	4.7599E+01	59.59	.104	4.5446E+01	37.35	.110
4.9706E+01	3.21	.142	4.7552E+01	63.53	.102	4.5401E+01	27.29	.151
4.9659E+01	3.56	.139	4.7460E+01	57.36	.124	4.5355E+01	18.99	.104
4.9611E+01	3.48	.140	4.7413E+01	46.64	.103	4.5310E+01	13.99	.162
4.9564E+01	3.76	.137	4.7367E+01	40.46	.111	4.5265E+01	9.38	.113
4.9517E+01	3.86	.137	4.7321E+01	33.21	.109	4.5220E+01	6.97	.122
4.9470E+01	3.87	.137	4.7275E+01	27.27	.115	4.5175E+01	5.16	.135
4.9422E+01	3.87	.137	4.7229E+01	22.57	.109	4.5130E+01	3.71	.137
4.9375E+01	3.56	.140	4.7182E+01	20.21	.109	4.5084E+01	2.78	.149
4.9328E+01	3.20	.144	4.7136E+01	17.75	.109	4.5039E+01	2.56	.154
4.9281E+01	3.38	.142	4.7090E+01	16.81	.110	4.4994E+01	2.08	.164
4.9234E+01	3.58	.140	4.7044E+01	15.19	.110	4.4949E+01	1.92	.169
4.9187E+01	3.95	.137	4.6998E+01	14.65	.111	4.4904E+01	1.69	.177
4.9140E+01	4.38	.133	4.6952E+01	15.79	.110	4.4859E+01	1.67	.178
4.9093E+01	5.32	.128	4.6906E+01	17.19	.109	4.4814E+01	1.64	.179
4.9045E+01	7.17	.141	4.6860E+01	20.17	.112	4.4769E+01	1.15	.203
4.8998E+01	9.47	.116	4.6814E+01	23.74	.105	4.4725E+01	1.53	.184
4.8951E+01	12.11	.132	4.6768E+01	28.74	.111	4.4680E+01	1.24	.198
4.8905E+01	15.90	.109	4.6722E+01	32.75	.103	4.4635E+01	1.12	.207
4.8858E+01	19.04	.107	4.6676E+01	32.59	.102	4.4590E+01	1.37	.192
4.8811E+01	25.51	.146	4.6631E+01	32.37	.102	4.4545E+01	1.19	.201
4.8764E+01	38.37	.137	4.6585E+01	30.72	.102	4.4500E+01	1.08	.210
4.8717E+01	50.05	.114	4.6539E+01	27.72	.103	4.4455E+01	1.29	.197
4.8670E+01	68.40	.141	4.6493E+01	22.85	.115	4.4411E+01	1.07	.210
4.8623E+01	94.61	.114	4.6447E+01	18.92	.107	4.4366E+01	1.15	.206
4.8576E+01	120.86	.114	4.6402E+01	15.75	.107	4.4321E+01	1.26	.198
4.8530E+01	149.79	.108	4.6356E+01	10.68	.112	4.4276E+01	.96	.218
4.8483E+01	168.13	.100	4.6310E+01	9.68	.114	4.4232E+01	1.19	.203
4.8436E+01	171.83	.100	4.6264E+01	8.89	.115	4.4187E+01	1.00	.215
4.8389E+01	172.17	.100	4.6219E+01	7.85	.118	4.4142E+01	.79	.239
4.8343E+01	172.19	.100	4.6173E+01	6.77	.121	4.4098E+01	.85	.233
4.8296E+01	153.48	.105	4.6128E+01	6.34	.123	4.4053E+01	1.05	.213
4.8249E+01	126.42	.111	4.6082E+01	6.77	.121	4.4009E+01	1.19	.202
4.8203E+01	105.64	.113	4.6036E+01	8.00	.118	4.3964E+01	1.20	.200

E (EV)	S(B)	DS/S	E (EV)	S(B)	DS/S	E (EV)	S(B)	DS/S
4.3920E+01	1.14	.204	4.1856E+01	1.50	.184	3.9921E+01	164.61	.089
4.3875E+01	1.00	.215	4.1853E+01	1.42	.187	3.9878E+01	174.65	.091
4.3831E+01	1.17	.203	4.1810E+01	1.29	.194	3.9836E+01	196.28	.089
4.3786E+01	1.39	.189	4.1766E+01	1.62	.180	3.9793E+01	210.40	.089
4.3742E+01	1.37	.189	4.1723E+01	1.35	.189	3.9751E+01	209.01	.089
4.3697E+01	1.21	.198	4.1679E+01	1.70	.177	3.9709E+01	207.01	.089
4.3653E+01	.81	.232	4.1636E+01	1.84	.170	3.9667E+01	179.58	.096
4.3609E+01	1.41	.323	4.1593E+01	1.82	.170	3.9624E+01	147.48	.103
4.3564E+01	1.89	.170	4.1549E+01	1.66	.175	3.9582E+01	120.31	.093
4.3520E+01	1.78	.171	4.1506E+01	1.50	.182	3.9540E+01	97.46	.103
4.3476E+01	2.04	.164	4.1463E+01	1.61	.178	3.9497E+01	78.74	.098
4.3432E+01	2.80	.149	4.1420E+01	1.62	.177	3.9455E+01	67.19	.110
4.3387E+01	4.38	.131	4.1376E+01	2.08	.163	3.9413E+01	50.15	.091
4.3343E+01	5.80	.122	4.1333E+01	2.14	.160	3.9371E+01	43.44	.092
4.3299E+01	7.46	.123	4.1290E+01	2.26	.157	3.9329E+01	36.83	.092
4.3255E+01	11.02	.156	4.1247E+01	2.71	.149	3.9287E+01	31.98	.093
4.3211E+01	16.00	.132	4.1204E+01	2.87	.145	3.9245E+01	27.92	.094
4.3166E+01	22.24	.114	4.1161E+01	2.81	.145	3.9203E+01	25.13	.095
4.3122E+01	27.50	.098	4.1118E+01	3.16	.141	3.9161E+01	23.22	.096
4.3078E+01	30.99	.096	4.1074E+01	3.48	.137	3.9119E+01	20.79	.096
4.3034E+01	32.43	.096	4.1032E+01	3.55	.135	3.9077E+01	18.94	.098
4.2990E+01	33.31	.096	4.0988E+01	4.98	.186	3.9035E+01	17.53	.099
4.2946E+01	33.32	.095	4.0946E+01	6.42	.119	3.8993E+01	15.37	.100
4.2902E+01	33.39	.095	4.0903E+01	6.49	.116	3.8951E+01	17.70	.102
4.2858E+01	33.19	.095	4.0860E+01	6.79	.115	3.8909E+01	11.65	.104
4.2814E+01	29.84	.101	4.0817E+01	7.36	.114	3.8867E+01	11.09	.105
4.2770E+01	25.52	.096	4.0774E+01	8.36	.111	3.8825E+01	9.67	.107
4.2726E+01	22.96	.098	4.0731E+01	10.89	.131	3.8783E+01	8.61	.110
4.2682E+01	20.80	.098	4.0688E+01	14.69	.103	3.8741E+01	7.33	.113
4.2639E+01	17.62	.104	4.0645E+01	18.84	.122	3.8700E+01	6.04	.117
4.2595E+01	14.25	.113	4.0602E+01	26.34	.131	3.8658E+01	5.78	.120
4.2551E+01	10.90	.114	4.0560E+01	38.35	.132	3.8616E+01	5.87	.120
4.2507E+01	8.10	.111	4.0517E+01	56.04	.139	3.8574E+01	6.31	.119
4.2463E+01	6.19	.117	4.0474E+01	82.66	.126	3.8533E+01	6.49	.118
4.2420E+01	4.81	.124	4.0431E+01	117.63	.123	3.8491E+01	6.52	.118
4.2376E+01	4.10	.130	4.0389E+01	162.24	.112	3.8449E+01	6.55	.118
4.2332E+01	3.88	.132	4.0346E+01	216.59	.110	3.8408E+01	7.38	.116
4.2289E+01	3.00	.141	4.0303E+01	258.59	.090	3.8366E+01	8.33	.113
4.2245E+01	2.85	.146	4.0261E+01	277.58	.087	3.8325E+01	10.29	.123
4.2201E+01	2.22	.156	4.0218E+01	279.07	.086	3.8283E+01	14.20	.117
4.2158E+01	2.42	.154	4.0176E+01	264.16	.087	3.8242E+01	18.35	.102
4.2114E+01	2.64	.150	4.0133E+01	238.58	.092	3.8200E+01	27.03	.099
4.2070E+01	1.97	.162	4.0091E+01	207.58	.091	3.8158E+01	25.80	.098
4.2027E+01	1.44	.184	4.0048E+01	183.21	.092	3.8117E+01	30.54	.100
4.1983E+01	1.41	.188	4.0006E+01	161.79	.088	3.8075E+01	36.03	.096
4.1940E+01	1.46	.185	3.9963E+01	155.94	.088	3.8034E+01	41.87	.095

E (EV)	S (B)	DS/S	E (EV)	S (B)	DS/S	E (EV)	S (B)	DS/S
3.7993E+01	47.64	.094	3.6112E+01	117.73	.110	3.4280E+01	5.02	.133
3.7951E+01	49.86	.093	3.6072E+01	86.61	.106	3.4240E+01	5.93	.127
3.7910E+01	47.73	.093	3.6032E+01	65.13	.111	3.4201E+01	6.19	.125
3.7869E+01	44.45	.093	3.5991E+01	46.87	.117	3.4162E+01	6.37	.124
3.7827E+01	44.65	.094	3.5951E+01	35.14	.119	3.4123E+01	7.02	.122
3.7786E+01	44.74	.093	3.5911E+01	25.51	.108	3.4083E+01	7.82	.119
3.7745E+01	47.69	.094	3.5871E+01	17.73	.126	3.4044E+01	8.86	.116
3.7704E+01	53.56	.093	3.5830E+01	12.68	.107	3.4005E+01	10.15	.113
3.7662E+01	61.31	.093	3.5790E+01	10.41	.109	3.3966E+01	11.35	.110
3.7621E+01	68.43	.092	3.5750E+01	8.76	.112	3.3927E+01	12.48	.108
3.7580E+01	76.00	.092	3.5710E+01	5.93	.214	3.3888E+01	13.84	.107
3.7539E+01	82.59	.092	3.5670E+01	4.63	.143	3.3849E+01	15.14	.105
3.7498E+01	88.13	.091	3.5630E+01	5.18	.129	3.3810E+01	16.10	.108
3.7456E+01	87.56	.091	3.5590E+01	4.83	.128	3.3770E+01	22.25	.100
3.7415E+01	82.70	.091	3.5550E+01	3.69	.136	3.3731E+01	23.12	.099
3.7374E+01	80.34	.091	3.5509E+01	3.38	.143	3.3692E+01	25.69	.098
3.7333E+01	85.20	.091	3.5469E+01	3.97	.138	3.3653E+01	30.91	.116
3.7292E+01	95.05	.095	3.5429E+01	3.73	.138	3.3614E+01	30.05	.096
3.7251E+01	116.81	.108	3.5390E+01	2.85	.148	3.3576E+01	45.86	.108
3.7210E+01	151.72	.111	3.5350E+01	2.51	.157	3.3537E+01	56.20	.094
3.7169E+01	198.70	.104	3.5310E+01	2.56	.158	3.3498E+01	67.08	.098
3.7128E+01	238.98	.096	3.5270E+01	2.65	.156	3.3459E+01	87.64	.117
3.7087E+01	278.60	.090	3.5230E+01	2.89	.152	3.3420E+01	105.88	.091
3.7047E+01	296.66	.088	3.5190E+01	3.05	.149	3.3381E+01	115.77	.088
3.7006E+01	300.18	.087	3.5150E+01	3.31	.146	3.3342E+01	131.63	.100
3.6965E+01	284.80	.089	3.5110E+01	4.11	.138	3.3304E+01	144.21	.090
3.6924E+01	238.53	.108	3.5071E+01	5.24	.129	3.3265E+01	140.85	.087
3.6883E+01	184.59	.095	3.5031E+01	6.10	.123	3.3226E+01	139.33	.087
3.6842E+01	143.83	.103	3.4991E+01	7.53	.119	3.3188E+01	137.89	.086
3.6802E+01	111.39	.103	3.4951E+01	8.28	.115	3.3149E+01	127.31	.092
3.6761E+01	87.29	.092	3.4912E+01	8.73	.114	3.3110E+01	107.50	.100
3.6720E+01	69.24	.106	3.4872E+01	7.65	.115	3.3072E+01	85.87	.088
3.6680E+01	54.21	.094	3.4832E+01	6.19	.121	3.3033E+01	74.11	.097
3.6639E+01	45.60	.089	3.4793E+01	5.08	.127	3.2994E+01	62.11	.089
3.6598E+01	43.32	.090	3.4753E+01	4.38	.133	3.2956E+01	50.46	.095
3.6558E+01	45.04	.090	3.4714E+01	4.48	.135	3.2917E+01	41.87	.094
3.6517E+01	54.71	.113	3.4674E+01	4.20	.136	3.2879E+01	37.40	.091
3.6476E+01	73.97	.120	3.4634E+01	3.78	.140	3.2840E+01	32.70	.091
3.6436E+01	107.01	.134	3.4595E+01	3.77	.142	3.2802E+01	29.64	.093
3.6395E+01	151.56	.112	3.4555E+01	2.66	.152	3.2763E+01	26.59	.093
3.6355E+01	198.98	.108	3.4516E+01	2.82	.158	3.2725E+01	24.06	.094
3.6314E+01	234.11	.088	3.4477E+01	3.56	.147	3.2687E+01	21.73	.095
3.6274E+01	241.00	.087	3.4437E+01	3.50	.144	3.2648E+01	19.17	.112
3.6234E+01	241.69	.087	3.4398E+01	3.60	.145	3.2610E+01	16.79	.101
3.6193E+01	216.87	.097	3.4358E+01	4.01	.141	3.2571E+01	16.61	.100
3.6153E+01	167.34	.108	3.4319E+01	4.31	.137	3.2533E+01	14.30	.101

E (EV)	S (B)	DS/S	E (EV)	S (B)	DS/S	E (EV)	S (B)	DS/S
3.2495E+01	13.24	.103	3.0758E+01	85.42	.087	2.9068E+01	7.22	.134
3.2457E+01	13.86	.103	3.0720E+01	72.32	.091	2.9032E+01	8.12	.128
3.2418E+01	12.70	.103	3.0683E+01	61.32	.088	2.8996E+01	7.89	.124
3.2380E+01	13.36	.104	3.0646E+01	54.60	.088	2.8960E+01	8.21	.139
3.2342E+01	13.57	.113	3.0609E+01	46.51	.097	2.8923E+01	7.93	.128
3.2304E+01	12.16	.106	3.0572E+01	41.62	.092	2.8887E+01	9.04	.126
3.2265E+01	12.98	.105	3.0534E+01	39.43	.091	2.8851E+01	7.27	.128
3.2227E+01	13.71	.103	3.0497E+01	39.51	.092	2.8815E+01	7.33	.130
3.2189E+01	13.81	.103	3.0460E+01	41.73	.092	2.8779E+01	6.74	.154
3.2151E+01	13.97	.103	3.0423E+01	47.24	.092	2.8743E+01	6.06	.142
3.2113E+01	14.66	.103	3.0386E+01	55.30	.109	2.8707E+01	6.34	.136
3.2075E+01	13.77	.103	3.0349E+01	67.38	.093	2.8671E+01	6.68	.133
3.2037E+01	14.52	.121	3.0312E+01	78.44	.090	2.8635E+01	6.06	.135
3.1999E+01	16.30	.103	3.0275E+01	85.14	.089	2.8599E+01	5.71	.139
3.1961E+01	17.76	.101	3.0238E+01	79.50	.096	2.8563E+01	6.16	.137
3.1923E+01	19.04	.099	3.0201E+01	68.22	.092	2.8527E+01	6.50	.134
3.1885E+01	21.13	.098	3.0164E+01	55.22	.104	2.8491E+01	6.90	.132
3.1847E+01	25.15	.096	3.0128E+01	41.25	.099	2.8456E+01	8.06	.128
3.1809E+01	27.50	.094	3.0091E+01	31.47	.100	2.8420E+01	9.22	.122
3.1771E+01	32.31	.103	3.0054E+01	25.84	.098	2.8384E+01	9.82	.120
3.1734E+01	39.83	.093	3.0017E+01	22.23	.106	2.8348E+01	13.82	.150
3.1696E+01	47.08	.094	2.9980E+01	18.43	.102	2.8312E+01	22.29	.146
3.1658E+01	57.28	.099	2.9943E+01	15.95	.104	2.8277E+01	37.38	.161
3.1620E+01	70.53	.095	2.9907E+01	14.51	.106	2.8241E+01	59.88	.118
3.1582E+01	88.59	.105	2.9870E+01	12.86	.108	2.8205E+01	96.05	.126
3.1545E+01	107.71	.089	2.9833E+01	11.91	.110	2.8170E+01	143.25	.114
3.1507E+01	118.75	.087	2.9797E+01	10.56	.112	2.8134E+01	177.00	.090
3.1469E+01	137.76	.091	2.9760E+01	10.73	.114	2.8098E+01	202.23	.087
3.1432E+01	161.58	.090	2.9723E+01	8.65	.171	2.8063E+01	212.76	.086
3.1394E+01	175.37	.086	2.9687E+01	7.88	.135	2.8027E+01	194.00	.093
3.1356E+01	176.76	.085	2.9650E+01	8.73	.120	2.7992E+01	160.33	.098
3.1319E+01	176.19	.086	2.9614E+01	7.96	.121	2.7956E+01	122.71	.101
3.1281E+01	177.35	.086	2.9577E+01	8.31	.123	2.7921E+01	93.13	.097
3.1244E+01	177.75	.086	2.9541E+01	7.64	.122	2.7885E+01	74.13	.093
3.1206E+01	174.60	.085	2.9504E+01	7.07	.127	2.7850E+01	63.14	.090
3.1169E+01	166.80	.085	2.9468E+01	6.92	.128	2.7814E+01	60.76	.091
3.1131E+01	170.23	.086	2.9431E+01	7.40	.127	2.7779E+01	60.17	.091
3.1094E+01	178.10	.085	2.9395E+01	7.75	.125	2.7744E+01	78.87	.090
3.1056E+01	181.48	.085	2.9358E+01	7.10	.126	2.7708E+01	93.49	.096
3.1019E+01	180.65	.085	2.9322E+01	6.96	.129	2.7673E+01	103.89	.090
3.0981E+01	179.51	.084	2.9286E+01	7.47	.127	2.7638E+01	112.91	.089
3.0944E+01	168.93	.084	2.9249E+01	8.12	.124	2.7602E+01	104.66	.093
3.0907E+01	154.16	.086	2.9213E+01	8.29	.152	2.7567E+01	85.43	.103
3.0869E+01	133.91	.090	2.9177E+01	6.87	.135	2.7532E+01	70.75	.094
3.0832E+01	115.45	.085	2.9140E+01	6.59	.132	2.7496E+01	56.62	.100
3.0795E+01	99.81	.090	2.9104E+01	7.58	.128	2.7461E+01	42.81	.104

E (EV)	S(B)	DS/S	E (EV)	S(B)	DS/S	E (EV)	S(B)	DS/S
2.7426E+01	33.26	.099	2.5832E+01	97.10	.093	2.4286E+01	3.56	.224
2.7391E+01	25.51	.100	2.5798E+01	81.40	.093	2.4253E+01	2.81	.222
2.7356E+01	20.25	.104	2.5764E+01	68.55	.091	2.4219E+01	4.11	.375
2.7321E+01	15.16	.112	2.5730E+01	58.98	.091	2.4186E+01	5.33	.263
2.7286E+01	12.73	.117	2.5696E+01	52.25	.096	2.4153E+01	4.09	.215
2.7251E+01	12.09	.117	2.5667E+01	46.60	.095	2.4120E+01	3.65	.207
2.7216E+01	12.70	.117	2.5628E+01	39.94	.095	2.4087E+01	3.52	.241
2.7181E+01	11.17	.118	2.5594E+01	34.13	.105	2.4054E+01	3.51	.222
2.7145E+01	10.09	.123	2.5560E+01	28.27	.114	2.4021E+01	3.18	.218
2.7111E+01	9.41	.125	2.5526E+01	25.57	.116	2.3989E+01	3.73	.228
2.7076E+01	9.21	.127	2.5492E+01	22.76	.174	2.3956E+01	3.44	.217
2.7041E+01	9.59	.126	2.5458E+01	18.85	.161	2.3923E+01	3.45	.217
2.7006E+01	9.88	.125	2.5424E+01	16.35	.123	2.3890E+01	4.85	.191
2.6971E+01	9.68	.126	2.5390E+01	15.25	.115	2.3857E+01	4.73	.186
2.6936E+01	8.83	.140	2.5356E+01	15.16	.115	2.3824E+01	5.68	.263
2.6901E+01	9.61	.131	2.5322E+01	12.18	.119	2.3792E+01	6.04	.199
2.6866E+01	10.40	.124	2.5289E+01	11.93	.124	2.3759E+01	5.85	.175
2.6832E+01	11.86	.122	2.5255E+01	12.37	.122	2.3726E+01	8.40	.181
2.6797E+01	12.38	.119	2.5221E+01	11.28	.124	2.3693E+01	11.96	.143
2.6762E+01	12.97	.119	2.5187E+01	8.92	.132	2.3661E+01	14.47	.130
2.6727E+01	16.14	.115	2.5154E+01	6.67	.147	2.3628E+01	21.06	.135
2.6692E+01	15.92	.112	2.5120E+01	7.59	.146	2.3596E+01	31.96	.127
2.6658E+01	16.07	.113	2.5087E+01	8.39	.138	2.3563E+01	43.73	.106
2.6623E+01	19.65	.110	2.5053E+01	8.05	.140	2.3530E+01	60.34	.099
2.6588E+01	21.47	.106	2.5019E+01	6.54	.149	2.3498E+01	70.67	.118
2.6554E+01	22.47	.105	2.4986E+01	5.55	.161	2.3465E+01	90.76	.098
2.6519E+01	28.35	.104	2.4952E+01	5.60	.162	2.3433E+01	106.58	.091
2.6485E+01	33.18	.099	2.4918E+01	5.65	.161	2.3400E+01	111.32	.091
2.6450E+01	37.86	.097	2.4885E+01	5.72	.161	2.3368E+01	100.04	.091
2.6416E+01	44.94	.095	2.4851E+01	6.05	.158	2.3335E+01	90.88	.091
2.6381E+01	50.31	.093	2.4818E+01	5.56	.161	2.3303E+01	86.05	.092
2.6347E+01	60.46	.093	2.4785E+01	6.07	.160	2.3270E+01	67.59	.124
2.6312E+01	72.86	.091	2.4751E+01	4.32	.173	2.3238E+01	51.94	.115
2.6278E+01	79.41	.089	2.4718E+01	4.71	.181	2.3206E+01	42.81	.102
2.6243E+01	91.79	.098	2.4684E+01	4.29	.178	2.3173E+01	36.39	.105
2.6209E+01	110.79	.090	2.4651E+01	3.99	.191	2.3141E+01	34.87	.107
2.6174E+01	128.23	.087	2.4618E+01	4.82	.177	2.3109E+01	33.05	.116
2.6140E+01	136.31	.086	2.4584E+01	3.66	.271	2.3076E+01	29.88	.113
2.6106E+01	146.35	.087	2.4551E+01	2.95	.411	2.3044E+01	27.53	.112
2.6072E+01	161.66	.086	2.4518E+01	3.54	.251	2.3012E+01	21.99	.117
2.6037E+01	163.12	.086	2.4485E+01	3.44	.202	2.2980E+01	19.82	.123
2.6003E+01	161.07	.086	2.4451E+01	3.67	.201	2.2947E+01	21.79	.121
2.5969E+01	148.87	.088	2.4418E+01	3.61	.199	2.2915E+01	22.13	.119
2.5934E+01	132.77	.087	2.4385E+01	4.30	.190	2.2883E+01	23.74	.119
2.5900E+01	121.87	.087	2.4352E+01	3.37	.201	2.2851E+01	27.65	.115
2.5866E+01	110.03	.087	2.4319E+01	3.14	.288	2.2819E+01	26.11	.114

E (EV)	S (B)	DS/S	E (EV)	S (B)	DS/S	E (EV)	S (B)	DS/S
2.2787E+01	23.70	.118	2.1336E+01	1428.40	.084	1.9933E+01	17.97	.205
2.2755E+01	22.09	.120	2.1305E+01	1489.60	.082	1.9903E+01	15.70	.195
2.2723E+01	20.05	.124	2.1274E+01	1559.50	.082	1.9873E+01	20.98	.173
2.2691E+01	19.19	.126	2.1243E+01	1487.30	.087	1.9843E+01	24.87	.161
2.2659E+01	18.84	.127	2.1212E+01	1276.10	.084	1.9813E+01	30.70	.151
2.2627E+01	18.26	.129	2.1181E+01	1064.80	.101	1.9783E+01	30.22	.149
2.2595E+01	14.79	.188	2.1150E+01	814.42	.103	1.9753E+01	24.96	.161
2.2563E+01	13.50	.167	2.1119E+01	623.09	.090	1.9723E+01	25.48	.163
2.2531E+01	14.54	.141	2.1088E+01	499.07	.087	1.9693E+01	31.42	.180
2.2499E+01	14.71	.140	2.1058E+01	400.23	.102	1.9664E+01	26.77	.173
2.2467E+01	14.67	.141	2.1027E+01	315.57	.095	1.9634E+01	20.67	.178
2.2436E+01	12.44	.179	2.0996E+01	252.66	.098	1.9604E+01	17.45	.191
2.2404E+01	14.54	.155	2.0965E+01	193.90	.100	1.9574E+01	16.46	.277
2.2372E+01	15.27	.148	2.0934E+01	159.37	.093	1.9545E+01	13.05	.277
2.2340E+01	15.48	.144	2.0904E+01	138.43	.092	1.9515E+01	10.58	.254
2.2308E+01	13.26	.146	2.0873E+01	123.58	.094	1.9485E+01	9.41	.262
2.2277E+01	13.99	.149	2.0842E+01	106.00	.096	1.9456E+01	8.27	.283
2.2245E+01	16.89	.139	2.0812E+01	89.07	.119	1.9426E+01	10.25	.306
2.2213E+01	17.35	.176	2.0781E+01	68.15	.140	1.9396E+01	9.92	.286
2.2182E+01	15.43	.198	2.0750E+01	62.36	.136	1.9367E+01	5.99	.339
2.2150E+01	20.20	.184	2.0720E+01	46.77	.137	1.9337E+01	6.62	.336
2.2119E+01	23.40	.175	2.0689E+01	34.50	.156	1.9308E+01	7.67	.303
2.2087E+01	25.48	.249	2.0659E+01	34.95	.136	1.9278E+01	6.94	.322
2.2055E+01	25.45	.175	2.0628E+01	29.41	.133	1.9249E+01	7.22	.321
2.2024E+01	35.13	.215	2.0598E+01	31.58	.150	1.9219E+01	9.57	.282
2.1992E+01	42.53	.141	2.0567E+01	26.44	.156	1.9190E+01	10.23	.301
2.1961E+01	50.46	.108	2.0537E+01	20.47	.162	1.9161E+01	6.17	.370
2.1929E+01	62.71	.124	2.0506E+01	24.39	.190	1.9131E+01	5.38	.361
2.1898E+01	78.86	.128	2.0476E+01	23.48	.166	1.9102E+01	7.68	.319
2.1867E+01	103.85	.104	2.0446E+01	18.00	.163	1.9072E+01	8.25	.368
2.1835E+01	123.36	.121	2.0415E+01	18.50	.167	1.9043E+01	8.20	.336
2.1804E+01	160.47	.100	2.0385E+01	16.93	.240	1.9014E+01	7.49	.331
2.1772E+01	210.62	.098	2.0355E+01	10.02	.275	1.8985E+01	6.25	.365
2.1741E+01	281.27	.112	2.0324E+01	8.05	.243	1.8955E+01	5.98	.383
2.1710E+01	371.32	.096	2.0294E+01	11.77	.270	1.8926E+01	7.41	.345
2.1678E+01	455.62	.091	2.0264E+01	11.31	.271	1.8897E+01	6.35	.368
2.1647E+01	518.30	.087	2.0234E+01	11.18	.229	1.8868E+01	4.92	.436
2.1616E+01	539.53	.087	2.0203E+01	11.36	.208	1.8838E+01	5.60	.413
2.1585E+01	537.81	.086	2.0173E+01	10.09	.221	1.8809E+01	4.94	.437
2.1554E+01	552.16	.085	2.0143E+01	9.83	.227	1.8780E+01	4.89	.455
2.1522E+01	587.39	.085	2.0113E+01	10.71	.219	1.8751E+01	6.78	.381
2.1491E+01	631.07	.084	2.0083E+01	9.79	.227	1.8722E+01	7.57	.355
2.1460E+01	707.68	.086	2.0053E+01	8.54	.245	1.8693E+01	5.13	.436
2.1429E+01	834.39	.097	2.0023E+01	10.77	.237	1.8664E+01	3.87	.541
2.1398E+01	1031.40	.092	1.9993E+01	12.63	.211	1.8635E+01	3.64	.562
2.1367E+01	1257.00	.089	1.9963E+01	13.56	.202	1.8606E+01	4.86	.486



E (EV)	S (B)	DS/S	E (EV)	S (B)	DS/S	E (EV)	S (B)	DS/S
1.8577E+01	6.63	.403	1.7269E+01	13.76	.392	1.6009E+01	98.49	.238
1.8548E+01	6.74	.398	1.7241E+01	19.11	.384	1.5982E+01	98.91	.209
1.8519E+01	6.58	.409	1.7213E+01	19.19	.349	1.5955E+01	97.98	.211
1.8490E+01	4.73	.489	1.7186E+01	15.78	.373	1.5929E+01	64.18	.253
1.8461E+01	3.84	.581	1.7158E+01	25.51	.299	1.5902E+01	57.30	.302
1.8433E+01	4.40	.537	1.7130E+01	28.59	.273	1.5875E+01	75.40	.372
1.8404E+01	3.87	.579	1.7102E+01	41.03	.238	1.5848E+01	72.83	.335
1.8375E+01	2.23	.843	1.7074E+01	41.70	.240	1.5822E+01	59.96	.294
1.8346E+01	4.23	.586	1.7047E+01	47.32	.228	1.5795E+01	30.72	.338
1.8317E+01	5.90	.462	1.7019E+01	61.04	.198	1.5768E+01	37.68	.451
1.8289E+01	4.96	.514	1.6991E+01	70.81	.216	1.5741E+01	46.51	.344
1.8260E+01	3.28	.674	1.6964E+01	98.10	.175	1.5715E+01	42.04	.475
1.8231E+01	2.82	.773	1.6936E+01	145.72	.162	1.5688E+01	20.10	.691
1.8203E+01	3.39	.690	1.6908E+01	186.07	.138	1.5662E+01	12.66	.760
1.8174E+01	4.64	.571	1.6881E+01	260.58	.165	1.5635E+01	14.26	.705
1.8145E+01	5.56	.510	1.6853E+01	258.68	.139	1.5609E+01	12.52	.775
1.8117E+01	4.62	.570	1.6826E+01	274.60	.120	1.5582E+01	6.98	1.205
1.8088E+01	3.60	.686	1.6798E+01	326.55	.114	1.5555E+01	7.74	1.169
1.8060E+01	6.35	.497	1.6770E+01	356.74	.112	1.5529E+01	14.13	.755
1.8031E+01	6.12	.489	1.6743E+01	330.75	.141	1.5503E+01	10.15	.935
1.8003E+01	4.63	.602	1.6716E+01	349.34	.125	1.5476E+01	4.33	1.926
1.7974E+01	5.16	.571	1.6688E+01	330.06	.138	1.5450E+01	11.11	.950
1.7946E+01	6.53	.499	1.6661E+01	276.95	.146	1.5423E+01	18.60	.653
1.7917E+01	6.45	.500	1.6633E+01	199.02	.199	1.5397E+01	12.44	.848
1.7889E+01	5.27	.574	1.6606E+01	174.43	.177	1.5371E+01	2.65	1.078
1.7860E+01	4.96	.609	1.6578E+01	169.06	.144	1.5344E+01	14.47	.810
1.7832E+01	4.73	.633	1.6551E+01	123.95	.171	1.5318E+01	11.67	.935
1.7804E+01	8.05	.470	1.6524E+01	118.98	.303	1.5292E+01	7.69	1.331
1.7775E+01	8.08	.453	1.6496E+01	108.67	.246	1.5265E+01	5.24	1.849
1.7747E+01	7.84	.479	1.6469E+01	87.49	.192	1.5239E+01	10.31	1.117
1.7719E+01	8.53	.455	1.6442E+01	74.80	.238	1.5213E+01	5.48	1.784
1.7691E+01	6.95	.514	1.6415E+01	84.80	.277	1.5187E+01	3.26	3.035
1.7662E+01	6.36	.558	1.6388E+01	73.84	.247	1.5161E+01	2.57	1.227
1.7634E+01	7.86	.496	1.6360E+01	50.01	.294	1.5135E+01	7.05	1.543
1.7606E+01	5.32	.616	1.6333E+01	60.85	.390	1.5108E+01	3.81	2.727
1.7578E+01	4.48	.734	1.6306E+01	64.59	.355	1.5082E+01	1.37	7.128
1.7549E+01	6.67	.567	1.6279E+01	49.73	.312	1.5056E+01	2.21	4.714
1.7521E+01	6.16	.589	1.6252E+01	48.69	.273	1.5030E+01	14.31	.895
1.7493E+01	4.77	.712	1.6225E+01	42.70	.288	1.5004E+01	11.95	1.070
1.7465E+01	4.80	.723	1.6198E+01	48.48	.281	1.4978E+01	.96	10.769
1.7437E+01	11.43	.433	1.6171E+01	79.43	.230	1.4952E+01	-.98	10.350
1.7409E+01	12.86	.387	1.6144E+01	99.93	.200	1.4926E+01	-.99	10.454
1.7381E+01	9.61	.467	1.6117E+01	110.70	.191	1.4900E+01	2.91	4.091
1.7353E+01	9.88	.471	1.6090E+01	108.49	.192	1.4874E+01	1.49	7.601
1.7325E+01	12.65	.411	1.6063E+01	104.12	.197	1.4849E+01	2.38	5.117
1.7297E+01	14.48	.381	1.6036E+01	114.15	.255	1.4823E+01	4.25	2.993

E (EV)	S (B)	DS/S	E (EV)	S (B)	DS/S	E (EV)	S (B)	DS/S
1.4797E+01	7.30	1.911	1.4183E+01	4.53	4.130	1.3583E+01	228.04	.314
1.4771E+01	3.01	4.165	1.4158E+01	2.54	7.447	1.3558E+01	294.49	.280
1.4745E+01	11.62	1.371	1.4133E+01	6.30	3.211	1.3533E+01	270.18	.371
1.4719E+01	14.50	1.111	1.4107E+01	14.23	1.606	1.3508E+01	144.05	.473
1.4694E+01	12.83	1.262	1.4082E+01	26.43	.989	1.3484E+01	175.49	.544
1.4668E+01	8.63	1.743	1.4057E+01	15.94	1.439	1.3459E+01	234.39	.363
1.4642E+01	11.62	1.422	1.4032E+01	20.53	1.250	1.3435E+01	136.55	.401
1.4616E+01	18.10	1.004	1.4007E+01	26.89	.997	1.3410E+01	107.76	.580
1.4591E+01	16.77	1.066	1.3981E+01	33.24	.873	1.3385E+01	122.08	.481
1.4565E+01	13.26	1.305	1.3956E+01	63.36	.655	1.3361E+01	101.95	.504
1.4539E+01	10.84	1.565	1.3931E+01	77.17	.525	1.3336E+01	116.75	.479
1.4514E+01	8.37	1.975	1.3906E+01	81.08	.533	1.3312E+01	105.53	.498
1.4488E+01	6.78	2.417	1.3881E+01	98.82	.492	1.3287E+01	60.47	.722
1.4463E+01	6.28	2.633	1.3856E+01	97.79	.468	1.3263E+01	14.74	2.241
1.4437E+01	4.44	3.645	1.3831E+01	88.93	.481	1.3238E+01	36.75	1.417
1.4412E+01	2.68	5.958	1.3806E+01	95.29	.465	1.3214E+01	88.67	.634
1.4386E+01	10.80	1.751	1.3781E+01	199.48	.357	1.3189E+01	55.77	.783
1.4361E+01	17.96	1.151	1.3756E+01	184.31	.333	1.3165E+01	21.05	1.783
1.4335E+01	9.63	1.905	1.3731E+01	184.14	.487	1.3141E+01	32.53	1.280
1.4310E+01	1.44	11.533	1.3707E+01	231.88	.347	1.3116E+01	12.77	2.583
1.4284E+01	-2.05	7.726	1.3682E+01	217.13	.319	1.3092E+01	1.05	32.240
1.4259E+01	-3.90	4.014	1.3657E+01	182.25	.342	1.3068E+01	-2.46	13.386
1.4234E+01	.79	22.412	1.3632E+01	222.93	.457	1.3043E+01	12.22	3.623
1.4209E+01	8.84	2.286	1.3607E+01	213.71	.380	1.3019E+01	8.35	4.659