

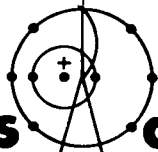
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Fission Cross Section of  $^{238}\text{Pu}$   
from Persimmon, Tabular Presentation

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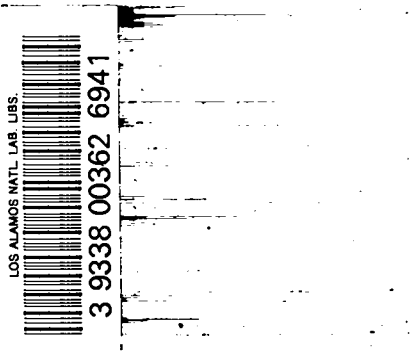
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# Fission Cross Section of $^{238}\text{Pu}$ from Persimmon, Tabular Presentation

by

M. G. Silbert



FISSION CROSS SECTION OF  $^{238}\text{Pu}$  FROM PERSIMMON,  
TABULAR PRESENTATION

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ABSTRACT

Values for the neutron-induced fission cross section of  $^{238}\text{Pu}$  from 18 eV to 3 MeV are presented in tabular form.

I. INTRODUCTION

This report is a tabular presentation of the neutron-induced fission cross section of  $^{238}\text{Pu}$  between 18 eV and 3 MeV, as measured in the Persimmon nuclear explosion by LASL groups P-3 and W-8. A description of the experimental arrangement and preliminary results have been presented in LASL report LA-4108-MS. A formal paper will be published in the near future by M. G. Silbert (LASL), A. Moat (AWRE, Aldermaston), and T. E. Young (Idaho Nuclear Corp.). Reference should be made to the above reports for experimental details.

Table I lists the neutron energy in electron volts, the fission cross section in barns, and the fractional uncertainty (standard deviation) of the cross section. The uncertainty is a quadratic combination of the random uncertainty at each point and a systematic uncertainty of 5.3% applicable to

all points. The cross section is a weighted average from detectors at  $55^\circ$  and at  $80^\circ$  to the neutron beam. The time channels chosen for Table I were 1.0 microseconds below  $10^5$  eV, 0.5 microseconds from  $1 \times 10^5$  to  $9 \times 10^5$  eV, and 0.2 microseconds from  $9 \times 10^5$  eV to  $3 \times 10^6$  eV.

Table II is a high resolution presentation of the cross section between  $10^3$  and  $10^5$  eV, a region in which intermediate structure is evident. The time channels are 0.2 microseconds. Table II was derived from the high resolution (drum camera) recordings from the two detectors, whereas from  $10^3$  to  $10^5$  eV Table I was derived from an average of high resolution and low resolution (streak camera) recordings from the two detectors. The integrals of the cross section from  $10^3$  to  $10^5$  eV in Tables I and II agree to within 2%.

TABLE I

## FISSION CROSS SECTION OF PU-238

E (EV)	S(B)	DS/S	E (EV)	S(B)	DS/S	E (EV)	S(B)	DS/S
2.9530E+06	2.07	.099	1.0350E+06	2.19	.074	2.8121E+05	.97	.062
2.7764E+06	2.18	.086	1.0161E+06	2.17	.079	2.7453E+05	1.12	.088
2.6940E+06	2.27	.081	9.9766E+05	2.13	.087	2.6810E+05	.95	.071
2.6151E+06	2.24	.075	9.6230E+05	2.17	.111	2.6188E+05	1.05	.068
2.5397E+06	2.21	.080	9.4532E+05	2.15	.094	2.5588E+05	.98	.068
2.4675E+06	2.28	.087	9.2878E+05	2.16	.104	2.5008E+05	.89	.068
2.3984E+06	2.26	.082	9.1268E+05	2.18	.094	2.4448E+05	.90	.067
2.3321E+06	2.18	.082	8.8077E+05	2.18	.080	2.3906E+05	.94	.064
2.2685E+06	2.20	.079	8.4428E+05	2.21	.056	2.3382E+05	.92	.068
2.2075E+06	2.24	.070	8.1001E+05	2.20	.094	2.2875E+05	.82	.076
2.1489E+06	2.30	.075	7.7779E+05	2.19	.074	2.2385E+05	.87	.066
2.0926E+06	2.14	.088	7.4745E+05	2.04	.091	2.1910E+05	.87	.070
2.0385E+06	2.18	.075	7.1885E+05	1.99	.091	2.1450E+05	.85	.067
1.9864E+06	2.16	.091	6.9187E+05	1.96	.109	2.1004E+05	.75	.057
1.9364E+06	2.12	.090	6.6637E+05	1.89	.101	2.0572E+05	.77	.077
1.8882E+06	2.19	.087	6.4225E+05	1.75	.092	2.0153E+05	.88	.055
1.8418E+06	2.14	.079	6.1943E+05	1.73	.113	1.9747E+05	.80	.074
1.7970E+06	2.20	.084	5.9780E+05	1.73	.103	1.9353E+05	.79	.072
1.7539E+06	2.10	.081	5.7728E+05	1.62	.097	1.8971E+05	.77	.071
1.7123E+06	2.08	.095	5.5780E+05	1.50	.109	1.8600E+05	.86	.073
1.6722E+06	2.19	.073	5.3930E+05	1.50	.115	1.8240E+05	.85	.070
1.6335E+06	2.15	.054	5.2169E+05	1.44	.083	1.7890E+05	.80	.072
1.5961E+06	2.25	.068	5.0494E+05	1.42	.111	1.7550E+05	.85	.075
1.5599E+06	2.16	.070	4.8898E+05	1.41	.098	1.7220E+05	.76	.069
1.5250E+06	2.12	.085	4.7376E+05	1.36	.084	1.6899E+05	.84	.072
1.4913E+06	2.15	.091	4.5924E+05	1.39	.066	1.6586E+05	.69	.103
1.4586E+06	2.24	.068	4.4538E+05	1.26	.091	1.6283E+05	.72	.078
1.4270E+06	2.23	.069	4.3214E+05	1.16	.091	1.5987E+05	.69	.078
1.3965E+06	2.09	.074	4.1948E+05	1.23	.088	1.5700E+05	.67	.069
1.3669E+06	2.11	.075	4.0737E+05	1.19	.108	1.5420E+05	.78	.080
1.3382E+06	2.13	.073	3.9578E+05	1.15	.132	1.5148E+05	.74	.070
1.3104E+06	2.13	.066	3.8467E+05	1.10	.168	1.4883E+05	.72	.075
1.2835E+06	2.19	.066	3.7402E+05	1.11	.088	1.4625E+05	.72	.074
1.2574E+06	2.15	.067	3.6381E+05	1.13	.081	1.4373E+05	.78	.084
1.2321E+06	2.12	.064	3.5402E+05	1.06	.101	1.4128E+05	.78	.070
1.2075E+06	2.16	.077	3.4461E+05	1.11	.087	1.3889E+05	.73	.069
1.1837E+06	2.22	.088	3.3557E+05	1.04	.085	1.3656E+05	.70	.079
1.1606E+06	2.13	.110	3.2689E+05	1.04	.115	1.3429E+05	.73	.071
1.1381E+06	2.11	.096	3.1853E+05	.98	.092	1.3207E+05	.72	.087
1.1163E+06	2.16	.074	3.1050E+05	1.05	.065	1.2991E+05	.73	.078
1.0951E+06	2.20	.069	3.0276E+05	1.01	.063	1.2781E+05	.69	.077
1.0745E+06	2.20	.079	2.9531E+05	.98	.066	1.2575E+05	.68	.087
1.0545E+06	2.22	.101	2.8813E+05	1.01	.066	1.2374E+05	.85	.108

E (EV)	S(B)	DS/S	E (EV)	S(B)	DS/S	E (EV)	S(B)	DS/S
1.2178E+05	.69	.071	4.6395E+04	.63	.086	2.2025E+04	.93	.118
1.1987E+05	.62	.093	4.5497E+04	.64	.078	2.1730E+04	.94	.078
1.1800E+05	.55	.070	4.4625E+04	.57	.094	2.1441E+04	.95	.075
1.1617E+05	.60	.077	4.3779E+04	.56	.103	2.1158E+04	.99	.077
1.1439E+05	.60	.088	4.2956E+04	.59	.103	2.0880E+04	.98	.077
1.1264E+05	.69	.072	4.2157E+04	.78	.081	2.0608E+04	1.09	.087
1.1094E+05	.68	.099	4.1379E+04	.94	.073	2.0341E+04	.97	.078
1.0928E+05	.57	.074	4.0623E+04	.83	.081	2.0080E+04	1.02	.090
1.0765E+05	.71	.071	3.9887E+04	.63	.092	1.9823E+04	.86	.098
1.0606E+05	.61	.075	3.9171E+04	.78	.088	1.9571E+04	.60	.137
1.0450E+05	.70	.070	3.8474E+04	.96	.073	1.9324E+04	.61	.088
1.0298E+05	.63	.114	3.7795E+04	.84	.074	1.9081E+04	.63	.084
1.0149E+05	.67	.106	3.7135E+04	.77	.078	1.8844E+04	.55	.095
1.0003E+05	.82	.112	3.6491E+04	.87	.074	1.8610E+04	.50	.097
9.8590E+04	.66	.068	3.5854E+04	.91	.072	1.8381E+04	.81	.135
9.5829E+04	.69	.067	3.5253E+04	.82	.072	1.8156E+04	.92	.103
9.3182E+04	.68	.072	3.4658E+04	.79	.074	1.7935E+04	.95	.084
9.0643E+04	.59	.070	3.4077E+04	.83	.074	1.7718E+04	1.09	.084
8.8207E+04	.62	.071	3.3511E+04	.83	.077	1.7505E+04	1.02	.138
8.5867E+04	.67	.069	3.2959E+04	.62	.075	1.7296E+04	.78	.110
8.3620E+04	.68	.069	3.2421E+04	.78	.075	1.7091E+04	.66	.096
8.1459E+04	.62	.076	3.1896E+04	.64	.087	1.6889E+04	.77	.175
7.9382E+04	.56	.087	3.1383E+04	.77	.078	1.6691E+04	.65	.104
7.7382E+04	.60	.099	3.0882E+04	.76	.078	1.6496E+04	.53	.122
7.5458E+04	.62	.073	3.0394E+04	.71	.079	1.6305E+04	.72	.196
7.3604E+04	.62	.071	2.9917E+04	.57	.089	1.6117E+04	1.12	.103
7.1818E+04	.65	.080	2.9451E+04	.66	.080	1.5932E+04	1.03	.090
7.0096E+04	.59	.087	2.8996E+04	.76	.074	1.5750E+04	.64	.205
6.8435E+04	.59	.070	2.8551E+04	.81	.077	1.5572E+04	.61	.136
6.6832E+04	.59	.071	2.8116E+04	.87	.099	1.5396E+04	.64	.118
6.5285E+04	.59	.071	2.7692E+04	.87	.122	1.5224E+04	.66	.149
6.3792E+04	.57	.072	2.7277E+04	.68	.175	1.5054E+04	.48	.237
6.2349E+04	.59	.096	2.6871E+04	.96	.264	1.4887E+04	.45	.118
6.0954E+04	.78	.158	2.6474E+04	.84	.219	1.4723E+04	.50	.101
5.9606E+04	.66	.104	2.6086E+04	.56	.150	1.4562E+04	.56	.098
5.8301E+04	.64	.076	2.5706E+04	.59	.083	1.4403E+04	.77	.092
5.7040E+04	.73	.072	2.5335E+04	.83	.090	1.4247E+04	.86	.148
5.5818E+04	.90	.097	2.4971E+04	.75	.076	1.4093E+04	1.27	.100
5.4636E+04	.84	.088	2.4616E+04	.58	.078	1.3942E+04	1.30	.087
5.3491E+04	.62	.075	2.4268E+04	.49	.082	1.3793E+04	.81	.099
5.2381E+04	.58	.071	2.3927E+04	.50	.084	1.3647E+04	.74	.112
5.1306E+04	.63	.075	2.3593E+04	.66	.079	1.3502E+04	1.24	.115
5.0263E+04	.74	.073	2.3266E+04	.76	.091	1.3361E+04	1.29	.123
4.9252E+04	.77	.072	2.2946E+04	1.01	.105	1.3221E+04	.80	.168
4.8271E+04	.74	.078	2.2633E+04	.89	.078	1.3084E+04	.66	.191
4.7319E+04	.64	.143	2.2325E+04	.76	.130	1.2948E+04	.89	.123

E (EV)	S(B)	DS/S	E (EV)	S(B)	DS/S	E (EV)	S(B)	DS/S
1.2815E+04	1.78	.149	8.4351E+03	1.25	.084	5.9322E+03	1.43	.099
1.2684E+04	1.31	.103	8.3650E+03	1.23	.087	5.8909E+03	1.83	.100
1.2555E+04	.76	.099	8.2957E+03	1.07	.099	5.8499E+03	1.77	.090
1.2428E+04	.51	.133	8.2273E+03	.74	.094	5.8093E+03	2.25	.075
1.2302E+04	.38	.138	8.1597E+03	.52	.105	5.7692E+03	2.56	.073
1.2179E+04	.34	.136	8.0930E+03	.37	.120	5.7295E+03	2.20	.094
1.2057E+04	.34	.138	8.0271E+03	.28	.141	5.6902E+03	1.85	.146
1.1938E+04	.34	.167	7.9620E+03	.27	.156	5.6513E+03	2.17	.085
1.1820E+04	.40	.229	7.8975E+03	.29	.144	5.6128E+03	4.07	.122
1.1704E+04	.44	.236	7.8341E+03	.30	.142	5.5747E+03	3.68	.078
1.1589E+04	.52	.233	7.7713E+03	.34	.136	5.5369E+03	2.32	.110
1.1476E+04	.52	.166	7.7092E+03	.34	.153	5.4996E+03	1.64	.106
1.1365E+04	.51	.120	7.6480E+03	.40	.236	5.4626E+03	1.48	.091
1.1255E+04	.60	.101	7.5874E+03	.52	.127	5.4260E+03	1.52	.111
1.1147E+04	.76	.101	7.5275E+03	.42	.154	5.3898E+03	1.17	.153
1.1041E+04	.82	.089	7.4684E+03	.42	.121	5.3539E+03	1.25	.121
1.0936E+04	.99	.094	7.4099E+03	.47	.129	5.3184E+03	1.12	.102
1.0833E+04	1.60	.130	7.3522E+03	.40	.135	5.2833E+03	1.09	.074
1.0731E+04	1.05	.126	7.2951E+03	.38	.139	5.2485E+03	.93	.120
1.0630E+04	.60	.111	7.2386E+03	.47	.118	5.2140E+03	.75	.123
1.0531E+04	.47	.116	7.1829E+03	.50	.112	5.1799E+03	.61	.126
1.0433E+04	.32	.172	7.1277E+03	.54	.108	5.1461E+03	.55	.116
1.0337E+04	.34	.133	7.0732E+03	.63	.100	5.1126E+03	.56	.127
1.0242E+04	.41	.123	7.0193E+03	.84	.092	5.0795E+03	.50	.168
1.0148E+04	.62	.113	6.9661E+03	1.27	.084	5.0466E+03	.42	.226
1.0055E+04	.87	.087	6.9134E+03	1.39	.083	5.0141E+03	.40	.163
9.9642E+03	.99	.085	6.8613E+03	1.46	.109	4.9820E+03	.48	.126
9.9548E+03	.99	.080	6.8098E+03	1.10	.090	4.9501E+03	.49	.124
9.8649E+03	1.01	.083	6.7589E+03	.88	.115	4.9185E+03	.54	.111
9.7762E+03	.96	.088	6.7086E+03	.77	.125	4.8872E+03	.51	.110
9.6888E+03	1.31	.118	6.6588E+03	.75	.092	4.8563E+03	.45	.157
9.6025E+03	1.45	.085	6.6095E+03	.71	.114	4.8256E+03	.54	.109
9.5173E+03	.87	.113	6.5609E+03	.76	.119	4.7952E+03	.59	.111
9.4333E+03	.43	.124	6.5128E+03	.91	.087	4.7651E+03	.45	.129
9.3504E+03	.35	.137	6.4651E+03	1.07	.083	4.7353E+03	.37	.167
9.2685E+03	.30	.196	6.4180E+03	1.31	.100	4.7057E+03	.43	.135
9.1878E+03	.45	.105	6.3715E+03	1.23	.150	4.6764E+03	.52	.140
9.1081E+03	.55	.124	6.3254E+03	1.04	.093	4.6475E+03	.45	.139
9.0294E+03	.56	.136	6.2798E+03	.87	.115	4.6187E+03	.36	.201
8.9517E+03	.74	.095	6.2347E+03	.82	.094	4.5903E+03	.39	.150
8.8751E+03	.84	.105	6.1901E+03	1.03	.146	4.5621E+03	.52	.157
8.7994E+03	.83	.108	6.1460E+03	1.64	.086	4.5341E+03	.54	.156
8.7247E+03	1.05	.089	6.1023E+03	1.90	.075	4.5064E+03	.49	.150
8.6509E+03	1.67	.089	6.0591E+03	2.08	.082	4.4790E+03	.60	.122
8.5781E+03	1.69	.075	6.0164E+03	1.69	.082	4.4518E+03	.68	.171
8.5061E+03	1.50	.084	5.9741E+03	1.06	.088	4.4249E+03	.46	.148

E (EV)	S(B)	DS/S	E (EV)	S(B)	DS/S	E (EV)	S(B)	DS/S
4.3982E+03	.37	.176	3.3905E+03	1.21	.119	2.6933E+03	.96	.108
4.3717E+03	.41	.133	3.3726E+03	1.63	.184	2.6806E+03	.75	.184
4.3455E+03	.36	.175	3.3548E+03	1.82	.120	2.6680E+03	1.17	.167
4.3195E+03	.42	.130	3.3372E+03	1.42	.105	2.6555E+03	1.01	.097
4.2938E+03	.62	.113	3.3197E+03	1.57	.087	2.6431E+03	1.29	.136
4.2683E+03	1.44	.096	3.3024E+03	1.74	.101	2.6308E+03	2.17	.100
4.2430E+03	1.26	.129	3.2851E+03	1.50	.087	2.6185E+03	2.59	.087
4.2179E+03	1.32	.095	3.2681E+03	1.12	.114	2.6064E+03	1.87	.101
4.1931E+03	2.11	.120	3.2511E+03	1.36	.239	2.5943E+03	1.22	.141
4.1685E+03	3.04	.113	3.2343E+03	.96	.130	2.5823E+03	.82	.110
4.1440E+03	3.68	.077	3.2176E+03	.83	.189	2.5704E+03	.94	.113
4.1199E+03	3.34	.088	3.2010E+03	1.08	.112	2.5585E+03	1.18	.105
4.0959E+03	2.34	.199	3.1846E+03	1.25	.128	2.5468E+03	1.47	.090
4.0721E+03	1.45	.205	3.1683E+03	1.28	.116	2.5351E+03	1.00	.185
4.0485E+03	.92	.126	3.1521E+03	1.22	.103	2.5235E+03	.78	.226
4.0252E+03	.94	.171	3.1361E+03	.97	.102	2.5120E+03	.55	.141
4.0020E+03	1.29	.324	3.1201E+03	.84	.125	2.5006E+03	.57	.119
3.9790E+03	.91	.269	3.1043E+03	1.15	.112	2.4892E+03	.65	.148
3.9563E+03	.71	.156	3.0885E+03	1.35	.092	2.4780E+03	.74	.141
3.9337E+03	.75	.113	3.0730E+03	1.37	.098	2.4668E+03	.76	.128
3.9113E+03	.72	.125	3.0576E+03	1.00	.106	2.4556E+03	.56	.210
3.8891E+03	.87	.097	3.0422E+03	.95	.104	2.4446E+03	.41	.202
3.8671E+03	.91	.096	3.0270E+03	1.61	.224	2.4336E+03	.39	.186
3.8453E+03	.64	.173	3.0119E+03	1.79	.093	2.4227E+03	.93	.128
3.8237E+03	.56	.149	2.9969E+03	1.46	.116	2.4119E+03	.90	.150
3.8022E+03	.60	.123	2.9820E+03	1.47	.128	2.4011E+03	.73	.138
3.7810E+03	.62	.109	2.9672E+03	1.10	.141	2.3905E+03	.62	.133
3.7599E+03	.57	.114	2.9526E+03	1.17	.159	2.3799E+03	.53	.142
3.7390E+03	.47	.134	2.9380E+03	.86	.104	2.3693E+03	.57	.185
3.7182E+03	.43	.201	2.9235E+03	.79	.108	2.3589E+03	.50	.223
3.6977E+03	.35	.181	2.9092E+03	.81	.184	2.3484E+03	.39	.164
3.6773E+03	.28	.195	2.8949E+03	2.25	.464	2.3381E+03	.40	.160
3.6570E+03	.33	.170	2.8808E+03	2.80	.089	2.3279E+03	.71	.230
3.6370E+03	.38	.145	2.8669E+03	2.82	.100	2.3177E+03	.63	.176
3.6171E+03	.37	.195	2.8529E+03	4.14	.144	2.3075E+03	.51	.334
3.5974E+03	.46	.222	2.8390E+03	6.03	.122	2.2975E+03	.58	.133
3.5778E+03	.62	.124	2.8253E+03	5.50	.099	2.2875E+03	1.02	.221
3.5584E+03	.70	.115	2.8117E+03	4.32	.072	2.2775E+03	1.90	.096
3.5391E+03	.59	.144	2.7981E+03	3.56	.085	2.2677E+03	1.64	.131
3.5200E+03	.54	.132	2.7847E+03	3.39	.074	2.2579E+03	1.54	.127
3.5011E+03	.48	.178	2.7714E+03	3.00	.077	2.2481E+03	1.28	.099
3.4823E+03	.59	.122	2.7581E+03	2.08	.099	2.2384E+03	.77	.305
3.4636E+03	.81	.107	2.7450E+03	1.99	.138	2.2288E+03	.69	.169
3.4451E+03	1.31	.089	2.7319E+03	2.75	.142	2.2193E+03	.72	.155
3.4268E+03	1.50	.091	2.7189E+03	1.71	.103	2.2098E+03	.90	.224
3.4086E+03	1.49	.089	2.7051E+03	1.19	.157	2.2004E+03	.81	.194



E (EV)	S(B)	DS/S	E (EV)	S(B)	DS/S	E (EV)	S(B)	DS/S
2.1910E+03	.86	.105	1.8171E+03	1.36	.092	1.5314E+03	1.21	.098
2.1817E+03	.87	.112	1.8101E+03	1.30	.090	1.5260E+03	1.24	.092
2.1724E+03	1.54	.218	1.8031E+03	1.01	.103	1.5206E+03	1.45	.102
2.1632E+03	1.49	.098	1.7961E+03	.83	.108	1.5152E+03	1.48	.108
2.1541E+03	1.20	.096	1.7892E+03	.61	.124	1.5098E+03	1.20	.105
2.1450E+03	.99	.099	1.7824E+03	.45	.227	1.5045E+03	1.09	.119
2.1360E+03	.73	.107	1.7755E+03	.43	.334	1.4992E+03	1.19	.178
2.1270E+03	.72	.114	1.7687E+03	.66	.294	1.4939E+03	1.11	.159
2.1181E+03	.62	.134	1.7620E+03	.65	.294	1.4887E+03	2.00	.257
2.1093E+03	.60	.197	1.7553E+03	.76	.231	1.4834E+03	2.80	.097
2.1005E+03	1.04	.200	1.7486E+03	.97	.133	1.4782E+03	2.53	.133
2.0917E+03	1.20	.144	1.7419E+03	1.13	.141	1.4731E+03	2.27	.158
2.0830E+03	1.13	.090	1.7353E+03	1.42	.114	1.4679E+03	2.82	.098
2.0744E+03	1.33	.094	1.7288E+03	1.14	.220	1.4628E+03	2.97	.094
2.0658E+03	1.26	.097	1.7222E+03	1.00	.164	1.4578E+03	2.15	.104
2.0573E+03	1.37	.093	1.7157E+03	1.42	.111	1.4527E+03	1.48	.100
2.0488E+03	1.41	.104	1.7093E+03	2.23	.117	1.4477E+03	1.41	.103
2.0404E+03	1.18	.124	1.7029E+03	1.90	.086	1.4427E+03	1.04	.109
2.0320E+03	1.47	.135	1.6965E+03	1.72	.092	1.4377E+03	.67	.203
2.0237E+03	1.67	.095	1.6901E+03	1.61	.095	1.4327E+03	.44	.276
2.0154E+03	1.84	.106	1.6838E+03	1.79	.112	1.4278E+03	.34	.451
2.0072E+03	1.89	.149	1.6776E+03	1.66	.095	1.4229E+03	.24	.420
1.9991E+03	1.43	.122	1.6713E+03	1.27	.096	1.4180E+03	.29	.226
1.9910E+03	1.04	.162	1.6651E+03	1.05	.103	1.4132E+03	.50	.172
1.9829E+03	.74	.270	1.6589E+03	.84	.162	1.4083E+03	.47	.139
1.9749E+03	.70	.144	1.6528E+03	.57	.482	1.4036E+03	.61	.118
1.9669E+03	1.34	.094	1.6467E+03	.44	.350	1.3988E+03	1.59	.106
1.9590E+03	1.97	.123	1.6405E+03	.36	.153	1.3940E+03	1.43	.094
1.9511E+03	2.01	.098	1.6346E+03	.41	.155	1.3893E+03	1.27	.098
1.9433E+03	1.80	.086	1.6286E+03	.89	.220	1.3846E+03	1.16	.103
1.9355E+03	1.47	.097	1.6226E+03	.89	.104	1.3799E+03	.97	.114
1.9278E+03	1.02	.102	1.6167E+03	1.06	.103	1.3752E+03	.62	.226
1.9201E+03	.54	.290	1.6108E+03	1.00	.101	1.3706E+03	.34	.165
1.9124E+03	.37	.483	1.6049E+03	.80	.108	1.3660E+03	.37	.146
1.9048E+03	.22	.445	1.5991E+03	.60	.121	1.3614E+03	.92	.114
1.8973E+03	.20	.321	1.5933E+03	.40	.152	1.3569E+03	1.26	.113
1.8898E+03	.80	.300	1.5875E+03	.36	.166	1.3523E+03	1.35	.099
1.8823E+03	1.58	.091	1.5817E+03	.36	.184	1.3478E+03	1.45	.097
1.8749E+03	1.70	.141	1.5760E+03	.40	.197	1.3433E+03	1.61	.098
1.8675E+03	4.08	.237	1.5703E+03	.37	.373	1.3388E+03	1.38	.096
1.8602E+03	4.48	.079	1.5647E+03	.37	.242	1.3344E+03	1.08	.102
1.8529E+03	3.43	.077	1.5591E+03	.41	.296	1.3299E+03	.99	.109
1.8457E+03	2.81	.096	1.5535E+03	.44	.322	1.3256E+03	.82	.108
1.8385E+03	2.52	.143	1.5479E+03	.43	.233	1.3212E+03	.63	.150
1.8313E+03	1.74	.118	1.5424E+03	.47	.176	1.3168E+03	.43	.261
1.8242E+03	1.05	.163	1.5369E+03	.83	.190	1.3125E+03	.50	.224

E (EV)	S(B)	OS/S	E (EV)	S(B)	OS/S	E (EV)	S(B)	OS/S
1.3081E+03	.89	.246	1.1304E+03	.40	.148	9.8432E+02	2.03	.080
1.3038E+03	.78	.149	1.1269E+03	.29	.171	9.8151E+02	3.55	.081
1.2996E+03	.66	.123	1.1235E+03	.34	.166	9.7871E+02	4.00	.074
1.2953E+03	.84	.160	1.1201E+03	.36	.367	9.7592E+02	3.47	.103
1.2911E+03	1.28	.100	1.1167E+03	.30	.508	9.7315E+02	2.80	.131
1.2869E+03	1.46	.133	1.1133E+03	.30	.293	9.7039E+02	2.37	.087
1.2827E+03	1.14	.108	1.1099E+03	.32	.169	9.6763E+02	1.65	.092
1.2785E+03	1.49	.103	1.1055E+03	.29	.261	9.6490E+02	.56	.165
1.2743E+03	4.46	.119	1.1032E+03	.16	.351	9.6217E+02	.44	.180
1.2702E+03	3.96	.090	1.0998E+03	.12	.332	9.5945E+02	.34	.231
1.2661E+03	3.53	.092	1.0965E+03	.22	.232	9.5674E+02	.45	.155
1.2620E+03	3.44	.090	1.0932E+03	.49	.136	9.5405E+02	.56	.141
1.2579E+03	3.03	.085	1.0899E+03	1.15	.181	9.5137E+02	.54	.137
1.2539E+03	2.28	.120	1.0867E+03	2.95	.107	9.4870E+02	.52	.129
1.2498E+03	1.31	.143	1.0834E+03	2.62	.099	9.4604E+02	.53	.140
1.2458E+03	.76	.118	1.0802E+03	2.55	.097	9.4339E+02	.48	.163
1.2418E+03	.44	.245	1.0770E+03	2.99	.116	9.4075E+02	.49	.164
1.2378E+03	.47	.205	1.0737E+03	2.73	.123	9.3812E+02	.52	.152
1.2339E+03	.45	.184	1.0706E+03	1.74	.137	9.3551E+02	.63	.235
1.2299E+03	.36	.278	1.0674E+03	.84	.218	9.3290E+02	.49	.152
1.2260E+03	.38	.142	1.0642E+03	.70	.290	9.3031E+02	.57	.159
1.2221E+03	.53	.285	1.0610E+03	.51	.285	9.2773E+02	.50	.167
1.2182E+03	.44	.139	1.0579E+03	.19	.308	9.2515E+02	.40	.227
1.2144E+03	.79	.305	1.0548E+03	.43	.168	9.2259E+02	.40	.178
1.2105E+03	1.89	.096	1.0517E+03	1.81	.120	9.2004E+02	.33	.203
1.2067E+03	2.53	.092	1.0486E+03	1.69	.105	9.1750E+02	.29	.231
1.2029E+03	2.42	.091	1.0455E+03	1.56	.097	9.1497E+02	.30	.233
1.1991E+03	3.42	.110	1.0424E+03	2.23	.086	9.1245E+02	.38	.195
1.1953E+03	3.17	.084	1.0393E+03	3.59	.091	9.0994E+02	.27	.229
1.1916E+03	2.66	.104	1.0363E+03	2.92	.096	9.0744E+02	.17	.446
1.1878E+03	2.08	.120	1.0333E+03	2.44	.095	9.0496E+02	.14	.396
1.1841E+03	1.56	.171	1.0302E+03	2.19	.090	9.0248E+02	.39	.445
1.1804E+03	.97	.290	1.0272E+03	1.98	.096	9.0001E+02	.89	.123
1.1767E+03	.53	.232	1.0243E+03	1.54	.098	8.9755E+02	1.18	.164
1.1731E+03	.24	.339	1.0213E+03	1.31	.097	8.9510E+02	1.28	.091
1.1694E+03	.10	.446	1.0183E+03	1.14	.098	8.9267E+02	1.40	.086
1.1658E+03	.10	.387	1.0154E+03	1.36	.094	8.9024E+02	1.37	.136
1.1622E+03	.16	.420	1.0124E+03	1.55	.108	8.8782E+02	1.18	.226
1.1586E+03	.60	.192	1.0095E+03	1.36	.093	8.8541E+02	.95	.162
1.1550E+03	2.25	.134	1.0066E+03	1.32	.091	8.8301E+02	.69	.114
1.1514E+03	2.22	.135	1.0037E+03	1.17	.098	8.8062E+02	.58	.128
1.1479E+03	2.07	.132	9.9856E+02	.36	.314	8.7824E+02	1.43	.373
1.1443E+03	2.03	.119	9.9559E+02	.16	.420	8.7588E+02	3.93	.164
1.1408E+03	1.94	.114	9.9283E+02	.25	.346	8.7352E+02	4.80	.079
1.1373E+03	1.40	.116	9.8998E+02	2.28	.203	8.7117E+02	4.58	.073
1.1338E+03	.91	.123	9.8715E+02	2.12	.079	8.6883E+02	5.85	.069

E (EV)	S(B)	DS/S	E (EV)	S(B)	DS/S	E (EV)	S(B)	DS/S
8.6649E+02	8.22	.092	7.6862E+02	1.13	.097	6.8645E+02	1.31	.113
8.6417E+02	8.77	.074	7.6669E+02	.73	.115	6.8481E+02	1.08	.096
8.6186E+02	7.32	.068	7.6475E+02	.53	.134	6.8318E+02	.72	.121
8.5956E+02	6.47	.076	7.6283E+02	.47	.155	6.8155E+02	.53	.131
8.5726E+02	6.54	.070	7.6091E+02	.46	.160	6.7993E+02	.43	.332
8.5498E+02	6.34	.071	7.5900E+02	.37	.256	6.7832E+02	.35	.345
8.5270E+02	5.48	.113	7.5709E+02	.28	.225	6.7671E+02	.26	.208
8.5043E+02	2.44	.158	7.5520E+02	.28	.196	6.7511E+02	.21	.243
8.4818E+02	1.31	.170	7.5331E+02	.26	.206	6.7351E+02	.21	.255
8.4593E+02	1.12	.096	7.5142E+02	.24	.225	6.7192E+02	1.08	.570
8.4369E+02	1.02	.103	7.4955E+02	.24	.234	6.7033E+02	1.95	.666
8.4146E+02	.85	.107	7.4768E+02	.29	.215	6.6875E+02	5.99	.079
8.3923E+02	.68	.137	7.4582E+02	.30	.363	6.6718E+02	6.53	.069
8.3702E+02	.40	.186	7.4397E+02	.78	.517	6.6561E+02	6.79	.069
8.3482E+02	1.36	.160	7.4212E+02	1.58	.162	6.6405E+02	7.73	.065
8.3262E+02	1.29	.086	7.4028E+02	1.44	.105	6.6249E+02	7.72	.067
8.3043E+02	1.38	.083	7.3844E+02	1.43	.094	6.6094E+02	5.92	.060
8.2826E+02	1.29	.090	7.3662E+02	1.64	.081	6.5939E+02	3.27	.227
8.2608E+02	1.91	.082	7.3480E+02	1.49	.087	6.5785E+02	1.64	.154
8.2392E+02	2.01	.076	7.3298E+02	1.21	.091	6.5631E+02	.99	.153
8.2177E+02	1.60	.087	7.3119E+02	.75	.154	6.5478E+02	.59	.191
8.1962E+02	1.39	.163	7.2938E+02	.31	.216	6.5325E+02	.39	.146
8.1749E+02	1.36	.090	7.2758E+02	.28	.188	6.5173E+02	.24	.309
8.1536E+02	1.22	.082	7.2580E+02	.27	.178	6.5022E+02	.21	.225
8.1324E+02	1.04	.100	7.2401E+02	.25	.185	6.4871E+02	.21	.329
8.1113E+02	.80	.115	7.2224E+02	.30	.170	6.4721E+02	.15	.558
8.0903E+02	.69	.128	7.2047E+02	1.62	.517	6.4571E+02	.18	.263
8.0693E+02	.60	.143	7.1871E+02	3.88	.107	6.4421E+02	.22	.219
8.0485E+02	.57	.144	7.1696E+02	3.88	.074	6.4272E+02	2.55	.363
8.0277E+02	.60	.134	7.1521E+02	4.28	.072	6.4124E+02	3.56	.083
8.0070E+02	1.26	.272	7.1347E+02	7.96	.145	6.3976E+02	3.90	.070
7.9863E+02	2.36	.105	7.1174E+02	24.07	.081	6.3829E+02	4.40	.071
7.9658E+02	2.30	.077	7.1001E+02	23.60	.067	6.3682E+02	4.92	.076
7.9453E+02	2.24	.095	7.0828E+02	23.13	.068	6.3535E+02	6.34	.079
7.9249E+02	2.40	.077	7.0657E+02	24.07	.063	6.3390E+02	5.40	.071
7.9046E+02	2.33	.073	7.0486E+02	23.96	.064	6.3244E+02	4.45	.070
7.8844E+02	2.08	.096	7.0315E+02	18.81	.086	6.3100E+02	4.08	.073
7.8642E+02	5.19	.324	7.0146E+02	8.73	.073	6.2955E+02	4.29	.069
7.8441E+02	8.62	.073	6.9976E+02	6.35	.079	6.2811E+02	3.62	.078
7.8241E+02	9.21	.067	6.9808E+02	4.41	.085	6.2668E+02	2.09	.123
7.8042E+02	9.68	.066	6.9640E+02	3.50	.098	6.2525E+02	1.00	.159
7.7844E+02	10.35	.066	6.9473E+02	3.09	.081	6.2383E+02	.46	.151
7.7646E+02	9.31	.069	6.9306E+02	3.56	.082	6.2241E+02	.35	.150
7.7449E+02	5.96	.179	6.9140E+02	2.95	.081	6.2100E+02	.28	.185
7.7253E+02	2.84	.099	6.8974E+02	2.33	.098	6.1959E+02	.21	.232
7.7057E+02	1.38	.091	6.8809E+02	1.61	.100	6.1818E+02	.15	.299

E (EV)	S(B)	DS/S	E (EV)	S(B)	DS/S	E (EV)	S(B)	DS/S
6.1678E+02	.12	.368	5.5721E+02	.16	.459	5.0587E+02	.15	.368
6.1539E+02	.15	.324	5.5601E+02	.29	.349	5.0483E+02	.06	.625
6.1400E+02	.21	.269	5.5482E+02	.28	.410	5.0380E+02	.04	.935
6.1261E+02	.42	.184	5.5363E+02	.39	.385	5.0277E+02	.03	1.239
6.1123E+02	.60	.121	5.5244E+02	.56	.151	5.0174E+02	.02	1.693
6.0986E+02	.69	.131	5.5126E+02	.64	.128	5.0072E+02	.01	3.367
6.0849E+02	.71	.126	5.5008E+02	.68	.123	4.9970E+02	.06	.693
6.0712E+02	.76	.135	5.4891E+02	.61	.129	4.9868E+02	.90	.270
6.0576E+02	.69	.133	5.4774E+02	.45	.158	4.9767E+02	1.34	.167
6.0440E+02	.50	.146	5.4657E+02	.28	.233	4.9666E+02	1.47	.117
6.0304E+02	.39	.186	5.4540E+02	.22	.304	4.9565E+02	1.66	.084
6.0170E+02	.34	.276	5.4424E+02	.25	.258	4.9465E+02	1.63	.088
6.0035E+02	.60	.387	5.4309E+02	.71	.309	4.9364E+02	1.52	.105
5.9901E+02	1.90	.165	5.4194E+02	.78	.190	4.9265E+02	1.08	.135
5.9768E+02	2.47	.075	5.4079E+02	.93	.107	4.9165E+02	.59	.350
5.9635E+02	2.72	.072	5.3964E+02	1.19	.089	4.9066E+02	.19	.717
5.9502E+02	2.87	.078	5.3850E+02	1.18	.086	4.8967E+02	.10	1.150
5.9370E+02	3.07	.075	5.3736E+02	1.02	.106	4.8868E+02	-.02	4.290
5.9238E+02	2.74	.083	5.3623E+02	.63	.314	4.8770E+02	-.09	.876
5.9107E+02	3.30	.081	5.3510E+02	.23	.564	4.8672E+02	-.06	.935
5.8976E+02	3.34	.075	5.3397E+02	.11	.519	4.8574E+02	-.06	1.277
5.8846E+02	3.56	.072	5.3285E+02	.07	.825	4.8476E+02	-.03	1.953
5.8716E+02	3.55	.072	5.3173E+02	.02	4.119	4.8379E+02	-.03	1.848
5.8586E+02	3.43	.071	5.3061E+02	-.08	1.031	4.8282E+02	-.03	2.970
5.8457E+02	2.85	.093	5.2950E+02	-.02	3.386	4.8185E+02	-.02	3.630
5.8328E+02	1.71	.110	5.2839E+02	.09	.869	4.8089E+02	-.02	2.127
5.8200E+02	1.17	.139	5.2728E+02	.03	4.305	4.7993E+02	-.04	1.041
5.8072E+02	.76	.154	5.2618E+02	.03	3.480	4.7897E+02	-.03	1.935
5.7945E+02	.63	.123	5.2508E+02	.13	1.417	4.7802E+02	-.02	1.595
5.7818E+02	.54	.129	5.2398E+02	.47	.259	4.7707E+02	.05	60.864
5.7691E+02	.44	.189	5.2289E+02	.74	.137	4.7612E+02	.12	.915
5.7565E+02	.26	.331	5.2180E+02	.85	.167	4.7517E+02	1.06	.149
5.7439E+02	.04	1.623	5.2072E+02	1.63	.232	4.7423E+02	1.29	.089
5.7314E+02	.05	1.442	5.1963E+02	5.82	.151	4.7329E+02	1.58	.103
5.7189E+02	.18	.308	5.1856E+02	6.83	.077	4.7235E+02	1.42	.105
5.7064E+02	.16	.307	5.1748E+02	7.46	.073	4.7142E+02	1.27	.133
5.6940E+02	.19	.263	5.1641E+02	7.81	.072	4.7048E+02	1.13	.101
5.6817E+02	.24	.227	5.1534E+02	7.81	.069	4.6956E+02	.95	.136
5.6693E+02	.18	.291	5.1428E+02	6.43	.085	4.6863E+02	1.11	.237
5.6570E+02	.17	.338	5.1321E+02	4.45	.126	4.6770E+02	4.58	.115
5.6448E+02	.15	.450	5.1215E+02	2.00	.098	4.6678E+02	5.92	.079
5.6326E+02	-.09	.719	5.1110E+02	1.10	.145	4.6586E+02	7.21	.088
5.6204E+02	-.10	.642	5.1005E+02	.49	.397	4.6495E+02	7.50	.072
5.6083E+02	.04	1.545	5.0900E+02	.38	.388	4.6404E+02	7.53	.074
5.5962E+02	.08	.646	5.0795E+02	.35	.204	4.6313E+02	7.68	.074
5.5841E+02	.12	.476	5.0691E+02	.25	.242	4.6222E+02	7.60	.072

E (EV)	S(B)	DS/S	E (EV)	S(B)	DS/S	E (EV)	S(B)	DS/S
4.6131E+02	7.21	.072	4.2240E+02	3.40	.131	3.8820E+02	.73	.127
4.6041E+02	6.19	.077	4.2150E+02	17.48	.144	3.8751E+02	.46	.160
4.5951E+02	5.75	.077	4.2082E+02	21.25	.077	3.8681E+02	.18	.308
4.5861E+02	4.42	.080	4.2003E+02	25.02	.076	3.8612E+02	.11	.480
4.5772E+02	3.08	.106	4.1925E+02	25.02	.075	3.8543E+02	.08	.618
4.5683E+02	1.86	.128	4.1846E+02	25.05	.075	3.8474E+02	.12	.547
4.5594E+02	1.13	.120	4.1758E+02	22.59	.075	3.8405E+02	.21	.362
4.5505E+02	.77	.148	4.1691E+02	14.45	.142	3.8337E+02	.34	.240
4.5417E+02	.61	.144	4.1613E+02	6.18	.094	3.8268E+02	.38	.194
4.5329E+02	.42	.164	4.1536E+02	3.76	.182	3.8200E+02	.36	.199
4.5241E+02	.47	.271	4.1459E+02	2.17	.136	3.8132E+02	.34	.206
4.5153E+02	1.84	.373	4.1382E+02	1.41	.092	3.8064E+02	.18	2.219
4.5066E+02	4.48	.077	4.1305E+02	.95	.123	3.7997E+02	.02	2.696
4.4979E+02	6.03	.074	4.1229E+02	.46	.172	3.7929E+02	-.07	1.055
4.4892E+02	6.92	.077	4.1152E+02	.35	.235	3.7862E+02	-.03	3.694
4.4805E+02	6.74	.076	4.1076E+02	.69	.273	3.7795E+02	.01	10.756
4.4719E+02	6.29	.084	4.1001E+02	1.12	.215	3.7728E+02	-.02	4.957
4.4633E+02	5.20	.105	4.0925E+02	1.69	.149	3.7661E+02	-.05	1.948
4.4547E+02	2.85	.104	4.0850E+02	1.85	.094	3.7594E+02	-.06	1.872
4.4461E+02	1.85	.099	4.0775E+02	1.57	.084	3.7528E+02	-.06	1.546
4.4376E+02	1.08	.138	4.0700E+02	1.38	.092	3.7462E+02	-.08	1.134
4.4291E+02	.58	.224	4.0625E+02	1.13	.102	3.7396E+02	-.04	1.983
4.4206E+02	.25	.274	4.0550E+02	.91	.112	3.7330E+02	-.04	1.826
4.4121E+02	.19	.288	4.0476E+02	.55	.177	3.7264E+02	-.03	2.109
4.4037E+02	.16	.346	4.0402E+02	.26	.372	3.7199E+02	-.01	3.594
4.3952E+02	.11	.441	4.0328E+02	.34	.218	3.7133E+02	-.01	4.334
4.3869E+02	.06	.655	4.0254E+02	.30	.233	3.7068E+02	.26	1.151
4.3785E+02	.01	3.954	4.0180E+02	.04	2.006	3.7003E+02	2.30	.133
4.3701E+02	.01	2.475	4.0107E+02	-.02	4.324	3.6939E+02	2.98	.068
4.3618E+02	.02	1.142	4.0034E+02	.03	1.530	3.6874E+02	3.63	.065
4.3535E+02	.01	3.181	3.9961E+02	.03	1.945	3.6809E+02	3.69	.079
4.3453E+02	.02	1.577	3.9888E+02	-.02	1.849	3.6745E+02	3.47	.081
4.3370E+02	.11	.454	3.9815E+02	.00	626.738	3.6681E+02	2.83	.100
4.3288E+02	.21	.256	3.9743E+02	-.01	4.838	3.6617E+02	1.66	.186
4.3206E+02	.26	.196	3.9671E+02	-.02	1.724	3.6553E+02	1.39	.141
4.3124E+02	.26	.194	3.9599E+02	-.02	2.560	3.6489E+02	.72	.246
4.3042E+02	.30	.220	3.9527E+02	-.01	5.921	3.6426E+02	.52	.259
4.2961E+02	1.28	.750	3.9456E+02	.02	2.369	3.6363E+02	.26	.494
4.2880E+02	5.09	.385	3.9384E+02	.10	.492	3.6300E+02	.19	.265
4.2799E+02	8.99	.083	3.9313E+02	.68	.172	3.6236E+02	.32	.192
4.2719E+02	11.20	.071	3.9242E+02	1.21	.132	3.6174E+02	.41	.164
4.2638E+02	11.04	.073	3.9171E+02	1.63	.113	3.6111E+02	.45	.160
4.2558E+02	11.17	.074	3.9101E+02	1.68	.082	3.6049E+02	.38	.192
4.2478E+02	9.54	.074	3.9030E+02	1.60	.096	3.5986E+02	.35	.191
4.2398E+02	5.97	.141	3.8960E+02	1.57	.113	3.5924E+02	.33	.174
4.2319E+02	3.80	.107	3.8890E+02	1.20	.105	3.5862E+02	.23	.251

E (EV)	S(8)	DS/S	F (EV)	S(8)	DS/S	E (EV)	S(8)	DS/S
3.5800E+02	.13	.341	3.3119E+02	.29	.206	3.0729E+02	1.80	.103
3.5739E+02	.12	.400	3.3064E+02	.19	.263	3.0680E+02	6.49	.120
3.5677E+02	.12	.399	3.3010E+02	.16	.322	3.0631E+02	15.40	.107
3.5616E+02	.11	.427	3.2955E+02	.23	.315	3.0582E+02	22.77	.074
3.5554E+02	.07	.620	3.2900E+02	1.48	.493	3.0533E+02	21.71	.074
3.5493E+02	.02	1.908	3.2846E+02	4.05	.258	3.0485E+02	20.62	.078
3.5432E+02	.02	2.209	3.2792E+02	15.01	.108	3.0436E+02	18.07	.075
3.5372E+02	.04	1.135	3.2738E+02	18.99	.079	3.0388E+02	14.72	.090
3.5311E+02	.03	1.285	3.2684E+02	20.20	.070	3.0340E+02	9.50	.076
3.5251E+02	.02	1.972	3.2630E+02	19.08	.076	3.0291E+02	6.98	.099
3.5190E+02	.03	1.578	3.2576E+02	17.73	.071	3.0243E+02	5.58	.153
3.5130E+02	.12	.805	3.2523E+02	13.37	.091	3.0195E+02	6.85	.106
3.5070E+02	.03	2.273	3.2469E+02	9.28	.157	3.0148E+02	35.10	.113
3.5010E+02	-.07	.951	3.2416E+02	4.50	.096	3.0100E+02	105.67	.098
3.4951E+02	.02	2.169	3.2363E+02	2.87	.145	3.0052E+02	135.57	.071
3.4891E+02	.06	.854	3.2310E+02	2.13	.112	3.0005E+02	137.86	.068
3.4832E+02	.05	.898	3.2257E+02	2.71	.160	2.9958E+02	116.13	.084
3.4773E+02	.03	1.128	3.2204E+02	8.35	.091	2.9910E+02	104.69	.068
3.4714E+02	-.01	3.471	3.2152E+02	12.37	.078	2.9863E+02	82.88	.112
3.4655E+02	-.02	2.530	3.2099E+02	16.59	.071	2.9816E+02	51.36	.098
3.4596E+02	-.00	127.748	3.2047E+02	16.70	.076	2.9769E+02	26.61	.082
3.4537E+02	.06	.901	3.1994E+02	16.07	.070	2.9723E+02	19.66	.156
3.4479E+02	.08	.678	3.1942E+02	12.82	.080	2.9676E+02	12.76	.142
3.4421E+02	.04	1.444	3.1890E+02	10.16	.127	2.9629E+02	7.16	.149
3.4362E+02	-.04	1.777	3.1839E+02	7.17	.167	2.9583E+02	4.35	.109
3.4304E+02	-.12	.556	3.1787E+02	3.72	.089	2.9537E+02	2.31	.101
3.4247E+02	-.01	8.750	3.1735E+02	2.96	.099	2.9490E+02	2.11	.087
3.4189E+02	.02	3.222	3.1684E+02	1.76	.147	2.9444E+02	1.48	.105
3.4131E+02	.00	21.186	3.1632E+02	1.31	.119	2.9398E+02	1.11	.117
3.4074E+02	.01	7.415	3.1581E+02	.85	.178	2.9352E+02	.83	.141
3.4017E+02	.03	1.632	3.1530E+02	.72	.170	2.9307E+02	.64	.173
3.3959E+02	.06	1.098	3.1479E+02	.58	.165	2.9261E+02	.50	.189
3.3902E+02	.09	.723	3.1428E+02	.57	.163	2.9215E+02	.53	.165
3.3845E+02	2.81	.155	3.1377E+02	.56	.156	2.9170E+02	.57	.141
3.3789E+02	6.00	.090	3.1327E+02	.53	.141	2.9124E+02	.99	.117
3.3732E+02	7.95	.073	3.1276E+02	.47	.161	2.9079E+02	1.80	.324
3.3676E+02	7.93	.079	3.1226E+02	.41	.268	2.9034E+02	12.77	.117
3.3620E+02	7.70	.080	3.1176E+02	.39	.311	2.8989E+02	34.42	.109
3.3563E+02	7.11	.084	3.1125E+02	.35	.364	2.8944E+02	45.55	.077
3.3507E+02	4.82	.178	3.1075E+02	.39	.237	2.8899E+02	44.97	.073
3.3451E+02	2.82	.099	3.1026E+02	.60	.250	2.8854E+02	39.50	.073
3.3396E+02	1.60	.187	3.0976E+02	.72	.162	2.8810E+02	38.70	.080
3.3340E+02	1.17	.167	3.0926E+02	.76	.139	2.8765E+02	33.66	.084
3.3285E+02	.79	.168	3.0877E+02	.88	.139	2.8721E+02	31.41	.081
3.3230E+02	.41	.169	3.0827E+02	1.07	.128	2.8676E+02	33.33	.074
3.3174E+02	.36	.185	3.0778E+02	1.24	.139	2.8632E+02	45.06	.070

E (EV)	S(B)	DS/S	E (EV)	S(B)	DS/S	E (EV)	S(B)	DS/S
2.8588E+02	62.25	.075	2.6664E+02	.88	.142	2.4927E+02	5.96	.250
2.8544E+02	71.04	.067	2.6624E+02	.85	.139	2.4891E+02	3.78	.184
2.8500E+02	73.59	.090	2.6584E+02	.75	.140	2.4855E+02	2.23	.189
2.8456E+02	75.24	.071	2.6545E+02	.70	.146	2.4820E+02	1.57	.106
2.8412E+02	72.14	.074	2.6505E+02	.66	.154	2.4784E+02	1.04	.133
2.8369E+02	60.98	.090	2.6466E+02	.60	.159	2.4749E+02	.81	.156
2.8325E+02	54.46	.084	2.6427E+02	.58	.168	2.4713E+02	.62	.141
2.8282E+02	43.04	.083	2.6388E+02	.58	.183	2.4678E+02	.54	.153
2.8239E+02	35.42	.071	2.6349E+02	.58	.197	2.4642E+02	1.17	.416
2.8195E+02	27.31	.071	2.6310E+02	.59	.214	2.4607E+02	3.65	.342
2.8152E+02	25.21	.097	2.6271E+02	.55	.211	2.4572E+02	12.07	.066
2.8109E+02	21.47	.074	2.6232E+02	.56	.257	2.4537E+02	19.79	.078
2.8066E+02	18.42	.076	2.6193E+02	.68	.390	2.4502E+02	20.23	.077
2.8024E+02	16.51	.076	2.6155E+02	.83	.281	2.4467E+02	16.60	.092
2.7981E+02	14.38	.072	2.6116E+02	.79	.225	2.4432E+02	14.57	.079
2.7938E+02	13.67	.095	2.6078E+02	.81	.164	2.4397E+02	11.50	.098
2.7896E+02	10.80	.076	2.6040E+02	.73	.184	2.4363E+02	8.56	.107
2.7853E+02	10.47	.091	2.6001E+02	.72	.195	2.4328E+02	5.93	.148
2.7811E+02	9.12	.087	2.5963E+02	.69	.193	2.4294E+02	3.19	.174
2.7769E+02	8.40	.087	2.5925E+02	.64	.190	2.4259E+02	1.75	.173
2.7726E+02	7.32	.087	2.5887E+02	.53	.201	2.4225E+02	1.48	.202
2.7684E+02	6.66	.079	2.5849E+02	.45	.229	2.4190E+02	.88	.343
2.7642E+02	6.13	.079	2.5811E+02	.42	.260	2.4156E+02	.58	.172
2.7601E+02	5.87	.089	2.5773E+02	.43	.348	2.4122E+02	.39	.197
2.7559E+02	5.36	.111	2.5736E+02	.46	.375	2.4088E+02	.25	.309
2.7517E+02	4.44	.089	2.5698E+02	.52	.347	2.4054E+02	.19	.396
2.7476E+02	3.86	.091	2.5660E+02	.52	.291	2.4020E+02	.17	.391
2.7434E+02	3.43	.101	2.5623E+02	.59	.282	2.3986E+02	.12	.525
2.7393E+02	3.25	.094	2.5586E+02	.74	.213	2.3952E+02	.12	.472
2.7351E+02	3.30	.092	2.5548E+02	.74	.171	2.3918E+02	.09	.594
2.7310E+02	2.92	.096	2.5511E+02	.77	.165	2.3884E+02	.08	.736
2.7269E+02	2.38	.142	2.5474E+02	.84	.163	2.3851E+02	.09	.793
2.7228E+02	2.19	.100	2.5437E+02	1.00	.127	2.3817E+02	.11	.541
2.7187E+02	1.92	.154	2.5400E+02	1.22	.119	2.3784E+02	.05	.944
2.7146E+02	1.67	.212	2.5363E+02	1.53	.097	2.3750E+02	.05	1.053
2.7106E+02	1.58	.136	2.5327E+02	2.39	.141	2.3717E+02	.04	1.132
2.7065E+02	1.42	.141	2.5290E+02	9.43	.130	2.3684E+02	.06	.926
2.7024E+02	1.33	.111	2.5253E+02	51.96	.322	2.3651E+02	.10	.693
2.6984E+02	1.27	.112	2.5217E+02	58.63	.118	2.3617E+02	.08	.841
2.6944E+02	1.04	.128	2.5180E+02	59.65	.077	2.3584E+02	.09	.757
2.6903E+02	1.06	.114	2.5144E+02	47.40	.075	2.3551E+02	.10	.649
2.6863E+02	1.03	.127	2.5107E+02	43.58	.085	2.3518E+02	.09	.708
2.6823E+02	.80	.155	2.5071E+02	34.85	.080	2.3486E+02	.08	.749
2.6783E+02	.56	.185	2.5035E+02	24.77	.092	2.3453E+02	.11	.620
2.6743E+02	.68	.153	2.4999E+02	15.19	.123	2.3420E+02	.11	.544
2.6703E+02	.83	.138	2.4963E+02	11.05	.152	2.3387E+02	.12	.460

E (EV)	S(B)	OS/S	E (EV)	S(B)	DS/S	E (EV)	S(B)	DS/S
2.2355E+02	.08	.768	2.1927E+02	1.70	.248	2.0626E+02	.07	1.023
2.2322E+02	.10	.614	2.1897E+02	1.11	.143	2.0599E+02	.01	6.708
2.2290E+02	.18	.346	2.1868E+02	.89	.154	2.0572E+02	-.05	2.372
2.2258E+02	.25	.260	2.1838E+02	.85	.152	2.0545E+02	-.15	.722
2.2225E+02	.27	.256	2.1809E+02	.87	.151	2.0519E+02	-.20	.508
2.2193E+02	.28	.287	2.1780E+02	1.09	.109	2.0492E+02	-.03	3.892
2.2161E+02	.22	.362	2.1750E+02	1.72	.176	2.0465E+02	.38	.411
2.2129E+02	.18	.389	2.1721E+02	8.89	.115	2.0438E+02	.60	.246
2.2097E+02	.16	.402	2.1692E+02	25.07	.088	2.0412E+02	.59	.232
2.2065E+02	.12	.526	2.1663E+02	47.45	.078	2.0385E+02	.63	.237
2.2033E+02	.14	.443	2.1634E+02	55.18	.082	2.0359E+02	1.12	.302
2.2001E+02	.12	.521	2.1605E+02	49.80	.084	2.0332E+02	2.55	.098
2.1969E+02	.09	.712	2.1575E+02	43.06	.082	2.0306E+02	3.20	.091
2.1937E+02	.06	1.029	2.1547E+02	35.84	.091	2.0279E+02	2.72	.119
2.1906E+02	.04	1.622	2.1518E+02	27.40	.107	2.0253E+02	2.47	.123
2.2874E+02	.07	.978	2.1490E+02	17.27	.143	2.0227E+02	2.17	.148
2.2843E+02	.09	.675	2.1461E+02	12.40	.118	2.0201E+02	1.90	.137
2.2811E+02	.12	.535	2.1432E+02	8.98	.158	2.0174E+02	1.24	.166
2.2780E+02	.10	.556	2.1404E+02	6.04	.165	2.0148E+02	.78	.221
2.2749E+02	.08	.568	2.1375E+02	3.71	.165	2.0122E+02	.61	.227
2.2717E+02	.10	.585	2.1347E+02	2.38	.152	2.0096E+02	.29	.355
2.2686E+02	.09	.755	2.1318E+02	1.64	.143	2.0070E+02	.16	.526
2.2655E+02	.07	.866	2.1290E+02	1.41	.104	2.0044E+02	.12	.644
2.2624E+02	.08	.686	2.1262E+02	1.02	.132	2.0019E+02	.20	.442
2.2593E+02	.09	.932	2.1233E+02	.69	.163	1.9993E+02	.29	.358
2.2562E+02	.08	.829	2.1205E+02	.54	.185	1.9967E+02	.30	.336
2.2531E+02	.08	.745	2.1177E+02	.46	.204	1.9941E+02	.26	.438
2.2500E+02	.08	.742	2.1149E+02	.41	.232	1.9916E+02	.21	.459
2.2470E+02	.09	.710	2.1121E+02	.39	.316	1.9890E+02	.20	.440
2.2439E+02	.13	.569	2.1093E+02	.38	.375	1.9865E+02	.19	.429
2.2408E+02	.12	.573	2.1065E+02	.32	.407	1.9839E+02	.20	.388
2.2378E+02	.10	.890	2.1037E+02	.29	.385	1.9814E+02	.14	.572
2.2347E+02	.07	1.634	2.1010E+02	.24	.338	1.9788E+02	.07	1.102
2.2317E+02	.05	2.764	2.0982E+02	.19	.431	1.9763E+02	.07	.942
2.2286E+02	.12	1.691	2.0954E+02	.18	.411	1.9738E+02	.19	.478
2.2256E+02	.21	1.962	2.0926E+02	.14	.451	1.9712E+02	.20	.500
2.2226E+02	.31	.554	2.0899E+02	.09	.787	1.9687E+02	.14	.751
2.2196E+02	2.15	.222	2.0871E+02	.05	1.317	1.9662E+02	.07	1.577
2.2166E+02	5.46	.081	2.0844E+02	.05	1.103	1.9637E+02	.12	.825
2.2136E+02	6.88	.140	2.0816E+02	.07	.938	1.9612E+02	.31	.396
2.2106E+02	6.86	.106	2.0789E+02	.08	.823	1.9587E+02	.52	.269
2.2076E+02	6.29	.099	2.0762E+02	.11	.664	1.9562E+02	.79	.187
2.2046E+02	5.61	.103	2.0735E+02	.08	.842	1.9537E+02	.92	.172
2.2016E+02	4.44	.134	2.0707E+02	.09	.832	1.9512E+02	.89	.194
2.1986E+02	3.21	.145	2.0680E+02	.12	.660	1.9487E+02	.96	.146
2.1957E+02	1.95	.226	2.0653E+02	.10	.657	1.9462E+02	1.15	.129



E (EV)	S(B)	DS/S	E (EV)	S(B)	DS/S	E (EV)	S(B)	DS/S
1.9438E+02	1.40	.108	1.8349E+02	16.58	.097	1.7350E+02	.39	.239
1.9413E+02	1.76	.099	1.8327E+02	33.15	.077	1.7329E+02	.37	.236
1.9388E+02	2.34	.099	1.8304E+02	41.48	.072	1.7308E+02	.35	.246
1.9364E+02	5.16	.098	1.8281E+02	40.39	.071	1.7287E+02	.29	.313
1.9339E+02	16.97	.115	1.8259E+02	37.97	.072	1.7267E+02	.22	.367
1.9315E+02	51.02	.093	1.8236E+02	32.78	.080	1.7246E+02	.23	.622
1.9290E+02	104.97	.078	1.8214E+02	26.41	.102	1.7225E+02	.31	.447
1.9266E+02	138.09	.073	1.8192E+02	17.93	.105	1.7205E+02	.40	.277
1.9242E+02	142.37	.067	1.8169E+02	11.78	.110	1.7184E+02	.91	.315
1.9217E+02	126.62	.068	1.8147E+02	8.01	.109	1.7164E+02	2.69	.103
1.9193E+02	109.87	.076	1.8125E+02	5.81	.229	1.7143E+02	4.73	.080
1.9169E+02	86.20	.088	1.8102E+02	2.47	.095	1.7123E+02	6.10	.080
1.9145E+02	66.23	.107	1.8080E+02	2.03	.119	1.7102E+02	6.40	.078
1.9120E+02	47.94	.127	1.8058E+02	1.61	.120	1.7082E+02	5.66	.104
1.9096E+02	27.72	.126	1.8036E+02	1.16	.123	1.7062E+02	4.97	.110
1.9072E+02	18.68	.129	1.8014E+02	.87	.139	1.7041E+02	4.36	.107
1.9048E+02	12.23	.129	1.7992E+02	.69	.183	1.7021E+02	3.23	.108
1.9024E+02	6.43	.087	1.7970E+02	.63	.268	1.7001E+02	2.57	.138
1.9001E+02	3.87	.095	1.7948E+02	.58	.214	1.6981E+02	1.76	.159
1.8977E+02	3.31	.106	1.7926E+02	.50	.210	1.6960E+02	1.27	.114
1.8953E+02	2.52	.129	1.7904E+02	.32	.393	1.6940E+02	1.03	.133
1.8929E+02	1.86	.145	1.7882E+02	.19	.353	1.6920E+02	.67	.170
1.8905E+02	1.62	.274	1.7861E+02	.15	.443	1.6900E+02	.45	.244
1.8882E+02	1.25	.135	1.7839E+02	.17	.419	1.6880E+02	.35	.247
1.8858E+02	1.04	.166	1.7817E+02	.23	.527	1.6860E+02	.25	.307
1.8835E+02	.82	.206	1.7795E+02	.32	.271	1.6840E+02	.19	.423
1.8811E+02	.44	.391	1.7774E+02	.78	.206	1.6820E+02	.17	.439
1.8787E+02	.34	.490	1.7752E+02	1.83	.559	1.6801E+02	.15	.520
1.8764E+02	.29	.505	1.7731E+02	9.96	.089	1.6781E+02	.14	.511
1.8741E+02	.22	.654	1.7709E+02	19.31	.077	1.6761E+02	.15	.574
1.8717E+02	.25	.611	1.7688E+02	21.99	.072	1.6741E+02	.18	.547
1.8694E+02	.28	.478	1.7666E+02	20.34	.131	1.6721E+02	.22	.428
1.8671E+02	.28	.482	1.7645E+02	18.48	.103	1.6702E+02	.24	.420
1.8647E+02	.24	.428	1.7624E+02	16.20	.097	1.6682E+02	.24	.365
1.8624E+02	.20	.408	1.7602E+02	13.45	.109	1.6662E+02	.19	.409
1.8601E+02	.19	.441	1.7581E+02	10.48	.147	1.6643E+02	.18	.420
1.8578E+02	.18	.510	1.7560E+02	7.02	.169	1.6623E+02	.15	.610
1.8555E+02	.20	.476	1.7539E+02	4.12	.139	1.6604E+02	.10	1.1e3
1.8532E+02	.23	.441	1.7518E+02	2.84	.141	1.6584E+02	.13	.975
1.8509E+02	.24	.362	1.7495E+02	2.17	.150	1.6565E+02	.33	.300
1.8486E+02	.26	.403	1.7475E+02	1.65	.175	1.6545E+02	.73	.189
1.8463E+02	.28	.319	1.7454E+02	1.22	.142	1.6526E+02	1.10	.153
1.8440E+02	.29	.233	1.7433E+02	.91	.153	1.6507E+02	1.12	.129
1.8417E+02	.53	.189	1.7412E+02	.79	.168	1.6487E+02	.96	.218
1.8395E+02	1.15	.168	1.7391E+02	.59	.292	1.6468E+02	.91	.327
1.8372E+02	5.24	.119	1.7370E+02	.48	.347	1.6449E+02	.67	.370

E (EV)	S(B)	DS/S	E (EV)	S(B)	DS/S	E (EV)	S(B)	DS/S
1.6430E+02	.55	.332	1.5581E+02	.08	1.573	1.4796E+02	.76	.416
1.6410E+02	.46	.299	1.5563E+02	.03	7.639	1.4780E+02	.56	.263
1.6391E+02	.38	.324	1.5545E+02	.01	25.783	1.4764E+02	.52	.342
1.6372E+02	.31	.413	1.5528E+02	.05	4.097	1.4747E+02	.38	.332
1.6353E+02	.20	.648	1.5510E+02	.08	2.960	1.4731E+02	.44	.453
1.6334E+02	.16	.558	1.5493E+02	.27	.799	1.4715E+02	.50	.691
1.6315E+02	.18	.485	1.5475E+02	.29	.686	1.4698E+02	.43	.313
1.6296E+02	.12	.609	1.5457E+02	.32	.619	1.4682E+02	.41	.318
1.6277E+02	.12	.795	1.5440E+02	.26	.895	1.4666E+02	.33	.422
1.6258E+02	.12	.752	1.5423E+02	.19	1.246	1.4650E+02	.33	.590
1.6239E+02	.11	.743	1.5405E+02	.13	1.736	1.4634E+02	.34	.769
1.6220E+02	.08	1.318	1.5388E+02	.14	2.224	1.4618E+02	.36	.861
1.6202E+02	.06	1.233	1.5370E+02	.06	3.776	1.4601E+02	.33	.813
1.6183E+02	.06	1.231	1.5353E+02	.25	1.058	1.4585E+02	.34	.551
1.6164E+02	.06	.959	1.5335E+02	.28	.852	1.4569E+02	.32	.417
1.6145E+02	.07	1.310	1.5318E+02	.27	.936	1.4553E+02	.24	.448
1.6127E+02	.07	1.654	1.5301E+02	.24	.994	1.4537E+02	.17	.745
1.6108E+02	.13	.843	1.5284E+02	.36	.654	1.4521E+02	.18	.775
1.6089E+02	.15	.551	1.5267E+02	.50	.268	1.4505E+02	.22	1.067
1.6071E+02	.12	.788	1.5249E+02	.62	.230	1.4490E+02	.19	1.201
1.6052E+02	.13	.682	1.5232E+02	.80	.157	1.4474E+02	.14	.815
1.6034E+02	.13	.578	1.5215E+02	1.49	.136	1.4458E+02	.19	.751
1.6015E+02	.12	.679	1.5198E+02	4.69	.225	1.4442E+02	.23	.844
1.5997E+02	.13	.654	1.5181E+02	17.11	.135	1.4426E+02	.27	.560
1.5978E+02	.15	.650	1.5164E+02	35.88	.118	1.4410E+02	.31	.414
1.5960E+02	.13	.576	1.5147E+02	60.05	.106	1.4394E+02	.22	.579
1.5942E+02	.14	.598	1.5130E+02	76.61	.098	1.4379E+02	.21	.763
1.5923E+02	.13	.593	1.5113E+02	81.28	.092	1.4363E+02	.13	1.821
1.5905E+02	.13	.565	1.5095E+02	77.35	.088	1.4347E+02	.31	.696
1.5887E+02	.09	.811	1.5079E+02	70.72	.087	1.4332E+02	.29	.557
1.5869E+02	.07	1.204	1.5062E+02	56.02	.105	1.4316E+02	.27	.435
1.5850E+02	.07	1.406	1.5045E+02	40.26	.125	1.4301E+02	.27	.602
1.5832E+02	.06	1.790	1.5029E+02	27.74	.125	1.4285E+02	.25	.737
1.5814E+02	.10	1.544	1.5012E+02	15.64	.122	1.4269E+02	.25	.447
1.5796E+02	.10	.956	1.4995E+02	9.67	.116	1.4254E+02	.23	.566
1.5778E+02	.14	.683	1.4978E+02	7.75	.156	1.4238E+02	.16	1.180
1.5760E+02	.14	.596	1.4962E+02	5.58	.196	1.4223E+02	.20	.986
1.5742E+02	.24	.522	1.4945E+02	3.24	.217	1.4207E+02	.26	.683
1.5724E+02	.18	.673	1.4928E+02	2.43	.210	1.4192E+02	.32	.505
1.5706E+02	.22	.607	1.4912E+02	2.03	.268	1.4177E+02	.26	.550
1.5688E+02	.17	.735	1.4895E+02	1.60	.292	1.4161E+02	.19	.613
1.5670E+02	.14	.783	1.4879E+02	1.36	.181	1.4146E+02	.21	.866
1.5652E+02	.09	1.205	1.4862E+02	1.15	.191	1.4131E+02	.30	.676
1.5634E+02	.09	1.331	1.4846E+02	.85	.248	1.4115E+02	.39	.783
1.5616E+02	.11	1.114	1.4829E+02	.76	.250	1.4100E+02	.41	.820
1.5599E+02	.12	1.212	1.4813E+02	.73	.367	1.4085E+02	.51	.552

E (EV)	S(B)	DS/S	E (EV)	S(B)	DS/S	E (EV)	S(B)	DS/S
1.4070E+02	.54	.443	1.3395E+02	.19	.965	1.2768E+02	.10	1.611
1.4054E+02	.73	.563	1.3381E+02	.14	1.346	1.2755E+02	.08	1.964
1.4039E+02	2.91	.174	1.3367E+02	.08	2.062	1.2742E+02	.15	.865
1.4024E+02	6.14	.113	1.3353E+02	.18	1.036	1.2729E+02	.12	1.370
1.4009E+02	8.76	.084	1.3339E+02	.21	.842	1.2716E+02	.08	2.036
1.3994E+02	9.97	.090	1.3325E+02	.29	.712	1.2703E+02	.08	2.070
1.3979E+02	10.80	.091	1.3311E+02	.78	.349	1.2689E+02	.13	1.446
1.3964E+02	11.04	.090	1.3297E+02	1.44	.192	1.2676E+02	.18	.948
1.3949E+02	9.30	.119	1.3283E+02	2.21	.136	1.2663E+02	.19	.806
1.3934E+02	7.12	.134	1.3269E+02	2.78	.117	1.2651E+02	.16	.893
1.3919E+02	5.10	.186	1.3255E+02	3.37	.112	1.2637E+02	.24	.651
1.3904E+02	3.66	.202	1.3241E+02	3.66	.117	1.2625E+02	.34	.484
1.3889E+02	2.44	.187	1.3227E+02	3.09	.163	1.2612E+02	.30	.540
1.3874E+02	1.51	.188	1.3213E+02	1.87	.347	1.2599E+02	.30	.552
1.3859E+02	1.03	.236	1.3199E+02	1.92	.251	1.2586E+02	.29	.521
1.3844E+02	.80	.397	1.3186E+02	1.64	.201	1.2573E+02	.33	.489
1.3829E+02	.52	.580	1.3172E+02	1.30	.221	1.2560E+02	.32	.511
1.3815E+02	.34	.641	1.3158E+02	.94	.273	1.2547E+02	.29	.486
1.3800E+02	.33	.456	1.3144E+02	.60	.381	1.2534E+02	.24	.497
1.3785E+02	.27	.563	1.3131E+02	.32	.614	1.2522E+02	.23	.600
1.3770E+02	.25	.587	1.3117E+02	.17	1.223	1.2509E+02	.22	.660
1.3756E+02	.15	1.115	1.3103E+02	.27	1.540	1.2496E+02	.38	.400
1.3741E+02	.18	.805	1.3090E+02	.12	2.436	1.2484E+02	.55	.322
1.3726E+02	.20	.683	1.3076E+02	.03	6.359	1.2471E+02	.56	.317
1.3711E+02	.21	.597	1.3062E+02	.08	2.638	1.2458E+02	.52	.301
1.3697E+02	.16	.894	1.3049E+02	.08	2.439	1.2445E+02	.48	.314
1.3682E+02	.13	1.245	1.3035E+02	.02	8.726	1.2433E+02	.55	.315
1.3668E+02	.14	1.002	1.3022E+02	-.03	5.573	1.2420E+02	.65	.341
1.3653E+02	.21	.673	1.3008E+02	-.09	2.234	1.2408E+02	.65	.270
1.3639E+02	.17	.881	1.2994E+02	.03	5.995	1.2395E+02	.81	.290
1.3624E+02	.13	1.151	1.2981E+02	.07	2.376	1.2382E+02	1.42	.198
1.3610E+02	.10	1.634	1.2968E+02	.12	1.669	1.2370E+02	1.32	.228
1.3595E+02	.05	2.736	1.2954E+02	.10	2.114	1.2357E+02	1.54	.119
1.3581E+02	.08	1.846	1.2941E+02	.21	1.008	1.2345E+02	2.01	.107
1.3566E+02	.10	1.421	1.2927E+02	.39	.538	1.2332E+02	2.74	.124
1.3552E+02	.06	2.426	1.2914E+02	.42	.540	1.2320E+02	5.41	.147
1.3537E+02	.06	2.296	1.2901E+02	.35	.653	1.2307E+02	13.03	.133
1.3523E+02	.09	1.475	1.2887E+02	.28	.781	1.2295E+02	28.39	.129
1.3509E+02	.06	2.315	1.2874E+02	.26	.760	1.2283E+02	62.99	.154
1.3495E+02	-.01	15.159	1.2860E+02	.22	.757	1.2270E+02	82.25	.078
1.3480E+02	.09	1.607	1.2847E+02	.15	1.331	1.2258E+02	100.17	.073
1.3466E+02	.05	3.051	1.2834E+02	.08	2.024	1.2245E+02	108.86	.072
1.3452E+02	.08	2.315	1.2821E+02	.24	.709	1.2233E+02	108.40	.075
1.3438E+02	.11	1.944	1.2807E+02	.25	.635	1.2221E+02	101.03	.070
1.3423E+02	.08	1.852	1.2794E+02	.27	.656	1.2209E+02	83.92	.101
1.3409E+02	.22	.758	1.2781E+02	.18	.998	1.2196E+02	71.17	.101

E (EV)	S(B)	DS/S	E (EV)	S(B)	CS/S	E (EV)	S(B)	DS/S
1.2184E+02	54.03	.122	1.1639E+02	.23	.760	1.1130E+02	1.06	.444
1.2172E+02	37.77	.128	1.1628E+02	.09	2.126	1.1119E+02	1.16	.406
1.2159E+02	26.41	.124	1.1616E+02	.04	4.411	1.1109E+02	.96	.266
1.2147E+02	18.72	.139	1.1605E+02	.01	17.469	1.1098E+02	.89	.241
1.2135E+02	13.28	.132	1.1593E+02	.08	2.066	1.1087E+02	.93	.288
1.2123E+02	8.21	.143	1.1582E+02	.14	1.203	1.1077E+02	1.58	.263
1.2111E+02	5.55	.128	1.1571E+02	.17	.994	1.1066E+02	4.67	.115
1.2099E+02	3.19	.291	1.1559E+02	.14	1.243	1.1055E+02	8.37	.102
1.2086E+02	2.96	.176	1.1548E+02	.10	1.576	1.1045E+02	12.68	.082
1.2074E+02	1.99	.354	1.1537E+02	.18	.807	1.1034E+02	17.18	.079
1.2062E+02	1.79	.320	1.1526E+02	.15	.976	1.1024E+02	20.84	.075
1.2050E+02	1.79	.292	1.1514E+02	.15	1.061	1.1013E+02	21.85	.087
1.2038E+02	1.66	.318	1.1503E+02	.15	1.056	1.1003E+02	21.74	.083
1.2026E+02	1.86	.377	1.1492E+02	.23	.656	1.0992E+02	18.79	.079
1.2014E+02	1.66	.417	1.1480E+02	.34	.443	1.0982E+02	16.08	.107
1.2002E+02	1.32	.545	1.1469E+02	.59	.483	1.0971E+02	10.19	.125
1.1990E+02	.98	.714	1.1458E+02	.79	.236	1.0961E+02	9.42	.109
1.1978E+02	.66	1.071	1.1447E+02	1.10	.188	1.0950E+02	7.16	.141
1.1966E+02	.47	1.111	1.1436E+02	1.84	.259	1.0940E+02	4.32	.216
1.1954E+02	.51	1.012	1.1425E+02	3.28	.331	1.0929E+02	2.65	.160
1.1942E+02	.86	.579	1.1414E+02	12.12	.138	1.0919E+02	2.19	.142
1.1930E+02	1.85	.186	1.1402E+02	24.75	.112	1.0909E+02	1.92	.123
1.1919E+02	4.74	.179	1.1391E+02	31.99	.078	1.0898E+02	1.25	.210
1.1907E+02	9.15	.134	1.1380E+02	40.31	.091	1.0888E+02	1.38	.173
1.1895E+02	15.81	.091	1.1369E+02	46.90	.076	1.0878E+02	.93	.240
1.1883E+02	20.39	.087	1.1358E+02	48.90	.079	1.0867E+02	.55	.321
1.1871E+02	24.01	.072	1.1347E+02	46.86	.084	1.0857E+02	.37	.569
1.1860E+02	24.33	.079	1.1336E+02	41.51	.090	1.0847E+02	.19	.844
1.1848E+02	25.00	.079	1.1325E+02	33.96	.107	1.0836E+02	.25	.664
1.1836E+02	22.25	.079	1.1314E+02	22.06	.105	1.0826E+02	.30	.489
1.1824E+02	17.67	.111	1.1303E+02	19.81	.125	1.0816E+02	.30	.559
1.1813E+02	13.51	.103	1.1292E+02	14.36	.130	1.0805E+02	.29	.574
1.1801E+02	8.01	.114	1.1281E+02	10.09	.151	1.0795E+02	.27	.562
1.1789E+02	6.91	.123	1.1270E+02	6.18	.182	1.0785E+02	.27	.655
1.1778E+02	3.98	.117	1.1259E+02	5.22	.148	1.0775E+02	.16	1.053
1.1766E+02	3.41	.143	1.1249E+02	3.93	.148	1.0765E+02	.13	1.305
1.1754E+02	2.44	.166	1.1238E+02	2.63	.135	1.0755E+02	.11	1.483
1.1743E+02	1.56	.183	1.1227E+02	2.19	.166	1.0744E+02	.10	1.615
1.1731E+02	1.42	.162	1.1216E+02	1.32	.399	1.0734E+02	.10	2.005
1.1720E+02	1.11	.213	1.1205E+02	.46	.638	1.0724E+02	.08	2.792
1.1708E+02	.76	.315	1.1195E+02	.35	.888	1.0714E+02	-.02	11.315
1.1697E+02	.64	.302	1.1184E+02	.28	1.067	1.0704E+02	.02	7.102
1.1685E+02	.50	.380	1.1173E+02	.19	1.519	1.0694E+02	-.05	3.477
1.1674E+02	.43	.384	1.1162E+02	.18	1.536	1.0684E+02	-.07	2.970
1.1662E+02	.44	.391	1.1151E+02	.52	.717	1.0674E+02	-.12	1.495
1.1651E+02	.37	.501	1.1141E+02	.89	.418	1.0664E+02	-.08	2.164

E (EV)	S(B)	DS/S	E (EV)	S(B)	DS/S	E (EV)	S(B)	DS/S
1.0654E+02	-.09	1.902	1.0207E+02	-.07	1.847	9.7892E+01	-.06	1.843
1.0644E+02	-.07	2.108	1.0198E+02	-.04	3.699	9.7804E+01	.01	38.402
1.0634E+02	.02	7.669	1.0188E+02	-.04	3.314	9.7716E+01	-.03	6.788
1.0624E+02	.12	1.217	1.0179E+02	-.08	1.561	9.7628E+01	-.16	8.305
1.0614E+02	.11	1.519	1.0170E+02	-.11	1.202	9.7540E+01	-.23	.991
1.0604E+02	.12	1.695	1.0160E+02	-.05	2.612	9.7452E+01	-.25	.570
1.0594E+02	.17	1.502	1.0151E+02	-.04	2.306	9.7365E+01	-.27	.621
1.0584E+02	.22	1.478	1.0142E+02	-.06	2.487	9.7277E+01	-.30	.528
1.0574E+02	.07	2.557	1.0132E+02	-.07	3.780	9.7190E+01	-.25	.692
1.0564E+02	.02	9.999	1.0123E+02	-.04	8.354	9.7103E+01	-.29	.499
1.0554E+02	.01	13.743	1.0114E+02	-.02	7.886	9.7016E+01	-.30	.516
1.0544E+02	-.02	7.570	1.0105E+02	.05	3.014	9.6929E+01	-.29	.570
1.0534E+02	-.15	.769	1.0095E+02	.01	16.910	9.6842E+01	-.34	.561
1.0524E+02	-.05	3.291	1.0086E+02	-.03	4.123	9.6755E+01	-.17	1.037
1.0515E+02	-.01	20.251	1.0077E+02	-.07	1.872	9.6668E+01	-.03	6.980
1.0505E+02	-.04	20.022	1.0068E+02	-.02	45.286	9.6582E+01	-.03	7.391
1.0495E+02	-.09	1.402	1.0058E+02	.04	3.788	9.6495E+01	-.05	4.568
1.0485E+02	-.08	1.677	1.0049E+02	.10	1.832	9.6409E+01	-.12	1.629
1.0476E+02	-.03	5.339	1.0040E+02	.06	2.323	9.6323E+01	.09	2.612
1.0466E+02	.05	2.747	1.0031E+02	-.01	16.486	9.6237E+01	.15	1.532
1.0456E+02	.03	4.661	1.0022E+02	.11	1.884	9.6151E+01	.25	1.049
1.0446E+02	-.02	7.298	1.0013E+02	.23	.821	9.6065E+01	.09	2.986
1.0436E+02	-.05	3.873	1.0003E+02	.36	.501	9.5979E+01	.08	4.364
1.0427E+02	-.07	2.566	9.9954E+01	.69	.240	9.5894E+01	-.07	3.863
1.0417E+02	-.00	512.412	9.9863E+01	1.15	.198	9.5808E+01	-.17	1.533
1.0407E+02	.07	2.378	9.9773E+01	1.55	.170	9.5723E+01	-.34	.739
1.0398E+02	-.01	38.079	9.9682E+01	1.92	.185	9.5637E+01	-.37	10.349
1.0388E+02	-.08	1.682	9.9591E+01	1.95	.249	9.5552E+01	-.39	2.161
1.0378E+02	-.07	2.081	9.9501E+01	1.71	.158	9.5467E+01	-.32	.957
1.0369E+02	-.12	1.109	9.9410E+01	1.42	.173	9.5382E+01	-.38	.790
1.0359E+02	-.01	10.680	9.9320E+01	1.36	.201	9.5297E+01	-.35	.779
1.0350E+02	-.02	7.859	9.9230E+01	1.12	.253	9.5213E+01	-.27	.712
1.0340E+02	-.07	2.438	9.9140E+01	.80	.274	9.5128E+01	-.24	1.053
1.0330E+02	-.14	.924	9.9050E+01	.58	.369	9.5043E+01	-.34	.691
1.0321E+02	-.15	.889	9.8960E+01	.41	.460	9.4959E+01	-.37	.682
1.0311E+02	-.16	.863	9.8870E+01	.20	1.419	9.4875E+01	-.21	1.062
1.0302E+02	-.13	.468	9.8781E+01	.04	3.360	9.4791E+01	-.29	.605
1.0292E+02	-.08	1.610	9.8692E+01	.12	1.277	9.4707E+01	-.35	.418
1.0283E+02	-.04	3.115	9.8602E+01	.08	1.812	9.4623E+01	-.34	.522
1.0273E+02	-.02	6.196	9.8513E+01	-.04	3.540	9.4539E+01	-.32	.493
1.0264E+02	-.00	44.139	9.8424E+01	.00	51.809	9.4455E+01	-.27	.611
1.0254E+02	-.04	3.224	9.8335E+01	.09	2.258	9.4372E+01	-.19	.870
1.0245E+02	-.06	1.954	9.8246E+01	-.06	2.742	9.4288E+01	-.21	2.469
1.0235E+02	-.07	2.137	9.8158E+01	-.07	2.239	9.4205E+01	-.22	.834
1.0226E+02	-.07	1.523	9.8069E+01	-.09	1.778	9.4121E+01	-.24	.696
1.0217E+02	-.07	1.860	9.7981E+01	-.15	.919	9.4038E+01	-.21	1.212

E (EV)	S(B)	DS/S	E (EV)	S(B)	DS/S	E (EV)	S(B)	DS/S
9.3955E+01	-.18	.866	9.0237E+01	-.06	2.151	8.6539E+01	-.01	32.248
9.2872E+01	-.20	.655	9.0158E+01	-.06	2.230	8.6462E+01	-.09	2.701
9.2789E+01	-.20	.830	9.0078E+01	-.02	5.949	8.6384E+01	-.08	3.153
9.3707E+01	-.20	.974	8.9999E+01	.08	1.848	8.6306E+01	-.05	3.967
9.3624E+01	-.21	.875	8.9919E+01	.04	3.781	8.6228E+01	-.05	3.823
9.3542E+01	-.24	.806	8.9840E+01	.02	6.534	8.6151E+01	-.12	1.543
9.3459E+01	-.26	.842	8.9761E+01	-.02	5.849	8.6073E+01	-.16	1.147
9.3377E+01	-.22	1.602	8.9682E+01	-.06	2.601	8.5995E+01	-.06	3.284
9.3295E+01	-.17	2.125	8.9602E+01	-.04	3.428	8.5918E+01	-.05	5.671
9.3213E+01	-.07	1.660	8.9523E+01	.01	15.457	8.5840E+01	-.12	3.043
9.3131E+01	-.06	2.408	8.9444E+01	.05	3.997	8.5763E+01	-.02	24.929
9.3049E+01	-.07	1.803	8.9365E+01	.04	3.539	8.5685E+01	-.03	8.853
9.2967E+01	-.07	3.563	8.9286E+01	.00	34.821	8.5608E+01	-.14	2.288
9.2886E+01	-.07	1.810	8.9207E+01	-.03	5.386	8.5530E+01	.25	1.400
9.2804E+01	-.08	1.826	8.9128E+01	-.06	2.494	8.5453E+01	.27	1.046
9.2723E+01	-.13	.925	8.9049E+01	-.07	2.287	8.5376E+01	.16	1.698
9.2641E+01	-.09	1.394	8.8970E+01	-.07	2.722	8.5298E+01	.06	3.908
9.2560E+01	-.10	2.824	8.8891E+01	-.07	2.242	8.5221E+01	.11	1.929
9.2479E+01	-.09	1.614	8.8812E+01	-.05	2.405	8.5144E+01	.03	8.144
9.2398E+01	-.09	.715	8.8733E+01	-.01	13.770	8.5067E+01	-.08	3.047
9.2317E+01	-.09	1.532	8.8654E+01	.01	16.810	8.4990E+01	.13	1.692
9.2236E+01	-.01	16.171	8.8575E+01	-.04	3.816	8.4912E+01	.25	.927
9.2156E+01	-.03	6.196	8.8497E+01	-.06	2.899	8.4835E+01	.23	.923
9.2075E+01	-.06	1.782	8.8418E+01	-.07	1.635	8.4758E+01	.28	.859
9.1995E+01	-.02	7.942	8.8339E+01	-.08	1.448	8.4681E+01	.39	.722
9.1914E+01	.01	14.020	8.8261E+01	-.06	2.467	8.4604E+01	.18	1.858
9.1834E+01	-.03	5.978	8.8182E+01	-.04	2.509	8.4527E+01	.18	1.482
9.1754E+01	-.08	1.870	8.8104E+01	-.03	4.937	8.4450E+01	.26	.907
9.1674E+01	-.07	1.850	8.8025E+01	-.00	54.120	8.4373E+01	.24	.920
9.1594E+01	-.06	1.614	8.7947E+01	.04	3.894	8.4296E+01	.48	.463
9.1514E+01	-.06	3.070	8.7868E+01	-.03	4.787	8.4220E+01	.50	.402
9.1434E+01	-.04	4.254	8.7790E+01	-.13	1.069	8.4143E+01	.63	.354
9.1354E+01	-.01	16.789	8.7711E+01	-.13	4.443	8.4066E+01	.74	.315
9.1274E+01	.02	9.005	8.7633E+01	-.12	1.097	8.3989E+01	.74	.287
9.1194E+01	-.02	10.851	8.7555E+01	-.20	.585	8.3913E+01	.82	.294
9.1114E+01	-.06	5.038	8.7476E+01	-.20	.686	8.3836E+01	.72	.292
9.1034E+01	-.13	2.079	8.7397E+01	-.07	3.531	8.3760E+01	.80	.276
9.0954E+01	-.18	.898	8.7242E+01	-.05	3.770	8.3683E+01	1.28	.159
9.0874E+01	-.21	.702	8.7153E+01	-.02	7.839	8.3606E+01	2.43	.115
9.0794E+01	-.10	1.775	8.7085E+01	-.03	7.929	8.3530E+01	4.65	.106
9.0715E+01	-.12	1.690	8.7007E+01	-.03	7.137	8.3453E+01	8.50	.130
9.0635E+01	-.18	.851	8.6929E+01	-.01	15.728	8.3377E+01	17.95	.104
9.0555E+01	-.14	1.066	8.6851E+01	-.06	3.913	8.3301E+01	31.94	.099
9.0476E+01	-.05	3.418	8.6773E+01	-.07	3.811	8.3224E+01	49.30	.084
9.0396E+01	-.03	5.768	8.6695E+01	.02	22.594	8.3148E+01	68.23	.066
9.0317E+01	-.06	1.818	8.6617E+01	.09	4.666	8.3072E+01	81.66	.063

E (EV)	S(B)	DS/S	E (EV)	S(B)	DS/S	E (EV)	S(B)	DS/S
8.2995E+01	89.59	.064	7.9451E+01	.34	.925	7.5983E+01	.13	1.103
8.2919E+01	88.54	.066	7.9376E+01	.32	.756	7.5910E+01	.14	1.007
8.2843E+01	82.39	.068	7.9301E+01	.33	.570	7.5837E+01	.17	1.207
8.2767E+01	71.78	.070	7.9227E+01	.33	.418	7.5764E+01	.22	1.122
8.2691E+01	59.46	.070	7.9152E+01	.29	.467	7.5692E+01	.17	1.960
8.2615E+01	44.30	.095	7.9078E+01	.26	.590	7.5619E+01	.13	1.950
8.2539E+01	30.68	.090	7.9004E+01	.24	.634	7.5546E+01	.13	1.444
8.2463E+01	21.05	.076	7.8929E+01	.21	.790	7.5473E+01	.07	4.253
8.2387E+01	15.41	.079	7.8855E+01	.21	1.083	7.5401E+01	.12	3.023
8.2311E+01	11.55	.089	7.8706E+01	.40	.485	7.5328E+01	-.02	30.092
8.2235E+01	8.32	.095	7.8632E+01	.32	.570	7.5255E+01	-.08	9.700
8.2159E+01	6.15	.083	7.8558E+01	.27	.692	7.5183E+01	-.17	6.249
8.2083E+01	5.06	.093	7.8484E+01	.24	.670	7.5110E+01	.09	10.492
8.2007E+01	3.88	.121	7.8410E+01	.22	.741	7.5038E+01	.20	3.379
8.1931E+01	2.74	.100	7.8336E+01	.22	.816	7.4965E+01	.11	4.537
8.1856E+01	2.19	.116	7.8262E+01	.23	.774	7.4893E+01	.35	1.541
8.1780E+01	2.09	.190	7.8187E+01	.28	.723	7.4820E+01	.32	1.638
8.1704E+01	2.02	.229	7.8113E+01	.37	.429	7.4748E+01	.18	2.292
8.1629E+01	1.91	.216	7.8039E+01	.45	.460	7.4676E+01	.00	207.744
8.1553E+01	1.49	.153	7.7966E+01	.60	.403	7.4603E+01	.01	30.308
8.1477E+01	1.16	.194	7.7892E+01	.70	.344	7.4531E+01	-.33	.975
8.1402E+01	1.09	.283	7.7818E+01	.79	.307	7.4459E+01	-.29	.929
8.1327E+01	.94	.371	7.7744E+01	.92	.272	7.4387E+01	-.18	1.366
8.1251E+01	.92	.287	7.7670E+01	1.03	.195	7.4314E+01	-.20	1.220
8.1176E+01	.83	.246	7.7597E+01	.85	.246	7.4242E+01	-.19	1.209
8.1100E+01	.77	.282	7.7523E+01	.67	.345	7.4170E+01	-.12	1.656
8.1025E+01	.69	.304	7.7449E+01	.64	.293	7.4098E+01	.02	17.687
8.0950E+01	.62	.341	7.7376E+01	.57	.268	7.4026E+01	.04	6.360
8.0874E+01	.52	.547	7.7302E+01	.46	.313	7.3954E+01	.06	4.297
8.0799E+01	.48	.674	7.7228E+01	.37	.384	7.3882E+01	.26	.838
8.0724E+01	.52	.555	7.7155E+01	.37	.439	7.3810E+01	.31	.734
8.0649E+01	.50	.602	7.7081E+01	.38	.396	7.3738E+01	.28	.944
8.0573E+01	.43	.826	7.7008E+01	.32	.404	7.3666E+01	.20	1.353
8.0498E+01	.39	.979	7.6934E+01	.31	.557	7.3595E+01	.17	.967
8.0423E+01	.42	.871	7.6861E+01	.30	.576	7.3523E+01	.11	1.453
8.0348E+01	.35	.927	7.6788E+01	.30	.529	7.3451E+01	.13	1.498
8.0273E+01	.32	.820	7.6714E+01	.34	.565	7.3379E+01	.16	1.261
8.0198E+01	.36	.484	7.6641E+01	.35	.558	7.3308E+01	.17	1.237
8.0123E+01	.37	.513	7.6568E+01	.31	.537	7.3236E+01	.25	.610
7.9974E+01	.39	.591	7.6495E+01	.28	.657	7.3164E+01	.24	.739
7.9899E+01	.34	.630	7.6421E+01	.26	.717	7.3093E+01	.20	.928
7.9824E+01	.35	.569	7.6348E+01	.24	.673	7.3021E+01	.12	1.333
7.9749E+01	.41	.406	7.6275E+01	.17	1.149	7.2950E+01	.06	5.459
7.9675E+01	.51	.391	7.6202E+01	.10	1.940	7.2878E+01	.13	1.890
7.9600E+01	.44	.725	7.6129E+01	.11	1.596	7.2807E+01	.20	1.350
7.9525E+01	.38	.932	7.6056E+01	.14	1.184	7.2736E+01	.27	.823

E (EV)	S(B)	DS/S	E (EV)	S(B)	DS/S	E (EV)	S(B)	DS/S
7.2664E+01	.21	.875	6.9419E+01	3.27	.141	6.6249E+01	-.55	.631
7.2593E+01	.18	1.222	6.9350E+01	2.59	.143	6.6181E+01	-.78	.451
7.2522E+01	.15	1.693	6.9280E+01	2.09	.136	6.6113E+01	-.94	.354
7.2450E+01	.16	1.599	6.9210E+01	1.89	.150	6.6044E+01	-.98	.367
7.2379E+01	.24	.841	6.9141E+01	1.63	.175	6.5977E+01	-.92	.501
7.2308E+01	.21	1.142	6.9071E+01	1.16	.194	6.5909E+01	-.87	.468
7.2237E+01	.17	1.367	6.9002E+01	1.02	.191	6.5841E+01	-.70	.580
7.2166E+01	.20	1.105	6.8932E+01	.82	.224	6.5773E+01	-.54	.672
7.2095E+01	.24	1.011	6.8863E+01	.72	.283	6.5705E+01	-.37	.918
7.2024E+01	.25	1.034	6.8793E+01	.61	.317	6.5637E+01	-.41	.836
7.1952E+01	.16	1.150	6.8724E+01	.58	.292	6.5569E+01	-.51	.695
7.1882E+01	.06	3.120	6.8655E+01	.63	.365	6.5501E+01	-.46	.684
7.1811E+01	.08	1.903	6.8585E+01	.58	.410	6.5434E+01	-.32	1.095
7.1740E+01	.19	1.259	6.8516E+01	.48	.389	6.5366E+01	-.33	1.449
7.1669E+01	.24	1.245	6.8447E+01	.45	.655	6.5298E+01	-.32	1.142
7.1598E+01	.29	1.164	6.8377E+01	.45	.638	6.5231E+01	-.28	.858
7.1527E+01	.30	.779	6.8308E+01	.41	.701	6.5163E+01	-.06	2.806
7.1456E+01	.25	.656	6.8239E+01	.26	1.307	6.5096E+01	.24	.863
7.1386E+01	.22	.708	6.8170E+01	.15	2.772	6.5028E+01	.15	1.422
7.1315E+01	.24	.808	6.8101E+01	.04	11.848	6.4961E+01	.04	4.992
7.1244E+01	.26	.813	6.8032E+01	-.02	27.843	6.4893E+01	-.01	30.360
7.1174E+01	.29	.497	6.7963E+01	-.18	2.295	6.4826E+01	.08	2.552
7.1103E+01	.31	.629	6.7894E+01	-.32	1.414	6.4758E+01	.11	1.327
7.1033E+01	.32	.660	6.7825E+01	-.12	4.633	6.4691E+01	.10	1.572
7.0962E+01	.33	.578	6.7756E+01	.16	3.850	6.4624E+01	.03	5.290
7.0892E+01	.38	.600	6.7687E+01	.38	1.631	6.4557E+01	.02	8.029
7.0821E+01	.47	.566	6.7618E+01	.51	1.259	6.4489E+01	.05	2.971
7.0751E+01	.58	.393	6.7549E+01	.38	1.771	6.4422E+01	.05	3.314
7.0680E+01	1.05	.267	6.7481E+01	.25	2.602	6.4355E+01	.01	20.109
7.0610E+01	1.94	.185	6.7412E+01	.25	2.308	6.4288E+01	.00	40.318
7.0540E+01	3.31	.166	6.7343E+01	.16	3.455	6.4221E+01	.00	29.117
7.0469E+01	7.26	.139	6.7274E+01	.11	5.655	6.4154E+01	.03	6.972
7.0399E+01	13.28	.124	6.7206E+01	.16	3.624	6.4087E+01	.11	2.088
7.0329E+01	20.48	.120	6.7137E+01	.12	4.901	6.4020E+01	.12	1.828
7.0259E+01	29.35	.117	6.7069E+01	.04	15.341	6.3953E+01	.08	3.020
7.0189E+01	39.01	.068	6.7000E+01	-.00	749.659	6.3886E+01	.10	2.113
7.0119E+01	42.47	.067	6.6932E+01	-.02	39.360	6.3819E+01	.14	1.139
7.0048E+01	41.68	.068	6.6863E+01	-.12	4.554	6.3752E+01	.12	1.294
6.9978E+01	37.07	.067	6.6795E+01	-.22	2.207	6.3685E+01	.01	19.845
6.9908E+01	31.55	.069	6.6726E+01	-.48	.936	6.3618E+01	.01	27.125
6.9838E+01	24.20	.067	6.6658E+01	-.78	.516	6.3552E+01	.12	1.373
6.9769E+01	17.85	.073	6.6590E+01	-.84	.419	6.3485E+01	.09	1.727
6.9699E+01	12.39	.088	6.6521E+01	-.75	.442	6.3418E+01	.01	18.390
6.9629E+01	8.40	.099	6.6453E+01	-.58	.718	6.3352E+01	.01	12.229
6.9559E+01	5.93	.086	6.6385E+01	-.50	.828	6.3285E+01	.02	6.661
6.9489E+01	4.29	.091	6.6317E+01	-.53	.557	6.3218E+01	.07	2.668



E (EV)	S(B)	DS/S	E (EV)	S(B)	DS/S	E (EV)	S(B)	DS/S
6.3152E+01	.06	2.965	6.0129E+01	.47	.763	5.7181E+01	.34	.925
6.3085E+01	-.01	22.958	6.0064E+01	.88	.621	5.7118E+01	.03	9.657
6.3019E+01	-.00	268.514	6.0000E+01	1.65	.289	5.7054E+01	.13	1.931
6.2953E+01	.10	1.805	5.9935E+01	2.55	.152	5.6991E+01	.16	1.640
6.2886E+01	.18	.950	5.9870E+01	3.28	.119	5.6928E+01	-.09	2.784
6.2820E+01	.14	1.188	5.9805E+01	3.84	.115	5.6865E+01	-.10	2.620
6.2754E+01	.03	5.479	5.9741E+01	4.04	.107	5.6802E+01	.14	1.563
6.2687E+01	-.03	7.035	5.9676E+01	3.72	.112	5.6739E+01	.15	1.766
6.2621E+01	.04	5.614	5.9611E+01	2.93	.145	5.6676E+01	.21	1.486
6.2555E+01	.13	1.769	5.9547E+01	1.94	.195	5.6612E+01	.16	1.332
6.2489E+01	.08	2.436	5.9482E+01	1.10	.273	5.6550E+01	.13	1.846
6.2422E+01	-.02	10.983	5.9418E+01	.65	.550	5.6487E+01	.17	1.612
6.2356E+01	.14	13.389	5.9353E+01	.50	.666	5.6424E+01	.18	1.664
6.2290E+01	.22	1.479	5.9289E+01	.27	1.207	5.6361E+01	.18	1.462
6.2224E+01	.18	1.073	5.9224E+01	.03	13.007	5.6298E+01	.18	1.068
6.2158E+01	.14	1.556	5.9160E+01	.14	2.762	5.6235E+01	.17	1.157
6.2092E+01	.05	4.142	5.9095E+01	.29	1.258	5.6172E+01	.12	2.331
6.2026E+01	.04	4.912	5.9031E+01	.52	.711	5.6110E+01	.06	3.480
6.1960E+01	.06	3.671	5.8967E+01	.30	1.119	5.6047E+01	.03	6.716
6.1895E+01	.16	1.335	5.8902E+01	.13	2.232	5.5984E+01	.10	1.876
6.1829E+01	.24	.819	5.8838E+01	.18	2.485	5.5859E+01	.10	2.454
6.1763E+01	.27	.870	5.8774E+01	.29	1.627	5.5797E+01	.13	1.519
6.1697E+01	.17	1.321	5.8710E+01	-.01	18.396	5.5734E+01	.16	1.331
6.1631E+01	.12	1.507	5.8646E+01	.05	5.102	5.5672E+01	.16	1.433
6.1566E+01	.22	.855	5.8582E+01	.11	2.119	5.5609E+01	.05	4.806
6.1500E+01	.23	.996	5.8518E+01	.07	3.321	5.5547E+01	.00	58.661
6.1434E+01	.18	1.337	5.8454E+01	.28	.981	5.5485E+01	.07	15.013
6.1369E+01	.11	1.865	5.8390E+01	.23	1.280	5.5422E+01	.07	3.806
6.1303E+01	.17	1.333	5.8326E+01	.28	1.018	5.5360E+01	.18	1.404
6.1238E+01	.13	2.926	5.8262E+01	.32	.833	5.5298E+01	.14	2.135
6.1172E+01	.09	2.145	5.8198E+01	.17	1.484	5.5173E+01	-.05	4.799
6.1107E+01	.16	1.193	5.8134E+01	.02	9.177	5.5111E+01	.06	3.079
6.1041E+01	.18	.975	5.8070E+01	.16	1.540	5.5049E+01	.17	1.237
6.0976E+01	.24	.851	5.8007E+01	.22	1.480	5.4987E+01	.23	.923
6.0911E+01	.28	.782	5.7943E+01	.06	5.235	5.4925E+01	.20	1.026
6.0845E+01	.16	1.557	5.7879E+01	-.32	.930	5.4863E+01	.14	1.562
6.0780E+01	.09	2.425	5.7815E+01	-.55	.475	5.4801E+01	.02	11.510
6.0715E+01	.30	1.032	5.7752E+01	-.46	.608	5.4739E+01	-.03	1.968
6.0650E+01	.39	.819	5.7688E+01	-.08	4.204	5.4677E+01	-.07	3.193
6.0584E+01	.28	.725	5.7625E+01	-.14	2.455	5.4615E+01	-.03	8.856
6.0519E+01	.26	.778	5.7561E+01	-.06	5.826	5.4553E+01	.07	4.770
6.0454E+01	.12	1.703	5.7498E+01	-.25	1.245	5.4492E+01	.06	2.533
6.0389E+01	.14	1.450	5.7434E+01	-.14	1.915	5.4430E+01	.06	3.837
6.0324E+01	.20	.948	5.7371E+01	-.04	6.774	5.4368E+01	.14	1.705
6.0259E+01	.21	.822	5.7307E+01	-.16	1.916	5.4306E+01	.29	.873
6.0194E+01	.26	.734	5.7244E+01	.09	3.556	5.4245E+01	.21	1.029

E (EV)	S(B)	DS/S	E (EV)	S(B)	DS/S	E (EV)	S(B)	DS/S
5.4183E+01	.06	3.531	5.1385E+01	.04	6.499	4.8663E+01	.10	2.835
5.4121E+01	.01	17.305	5.1326E+01	.13	2.181	4.8604E+01	.05	7.667
5.4060E+01	.04	6.594	5.1266E+01	.07	3.313	4.8546E+01	.00	98.503
5.3998E+01	.15	5.665	5.1206E+01	-.04	7.058	4.8488E+01	.04	6.443
5.3937E+01	.22	1.301	5.1146E+01	.02	11.872	4.8429E+01	.12	2.829
5.3875E+01	.14	2.045	5.1086E+01	.02	11.433	4.8371E+01	.17	2.247
5.3814E+01	.18	1.935	5.1026E+01	.07	5.184	4.8313E+01	.23	1.282
5.3753E+01	.30	.852	5.0967E+01	.11	2.411	4.8255E+01	.05	5.413
5.3691E+01	.31	.864	5.0907E+01	.13	1.890	4.8197E+01	-.03	16.649
5.3630E+01	.17	1.230	5.0847E+01	.08	2.356	4.8139E+01	-.03	11.610
5.3569E+01	.13	1.807	5.0787E+01	.05	5.234	4.8081E+01	-.08	3.460
5.3507E+01	.22	1.102	5.0728E+01	.09	3.221	4.8023E+01	-.05	5.708
5.3446E+01	.33	.692	5.0668E+01	.13	2.309	4.7965E+01	-.06	21.272
5.3385E+01	.37	.704	5.0609E+01	.14	2.007	4.7907E+01	-.06	6.403
5.3324E+01	.32	1.270	5.0549E+01	.06	4.518	4.7849E+01	.01	39.056
5.3263E+01	.29	1.163	5.0490E+01	.04	6.654	4.7791E+01	-.09	4.255
5.3202E+01	.22	1.214	5.0430E+01	.08	2.868	4.7733E+01	-.20	1.950
5.3141E+01	-.04	4.870	5.0371E+01	.13	2.087	4.7675E+01	-.41	.896
5.3080E+01	-.09	2.952	5.0311E+01	.17	1.645	4.7617E+01	-.03	12.401
5.3019E+01	-.00	275.188	5.0252E+01	.10	2.713	4.7560E+01	-.01	58.118
5.2958E+01	.11	2.591	5.0193E+01	-.24	1.091	4.7502E+01	.05	6.435
5.2897E+01	.14	1.945	5.0133E+01	-.23	1.365	4.7444E+01	.19	1.798
5.2836E+01	.24	1.550	5.0074E+01	-.23	1.441	4.7387E+01	.27	1.310
5.2775E+01	.09	3.524	5.0015E+01	-.06	5.826	4.7329E+01	.38	.990
5.2714E+01	.04	7.344	4.9956E+01	.02	18.460	4.7271E+01	.35	1.053
5.2654E+01	.14	3.094	4.9897E+01	-.07	4.636	4.7214E+01	.21	1.638
5.2593E+01	.03	12.469	4.9838E+01	-.13	2.753	4.7156E+01	.32	1.135
5.2532E+01	.13	2.399	4.9778E+01	-.21	1.466	4.7099E+01	.34	1.065
5.2472E+01	.13	3.056	4.9719E+01	-.13	2.325	4.7041E+01	.32	1.055
5.2411E+01	-.12	2.189	4.9660E+01	.02	16.965	4.6984E+01	.45	.725
5.2350E+01	.06	4.817	4.9601E+01	-.02	18.528	4.6927E+01	.52	.709
5.2290E+01	.08	3.481	4.9543E+01	.08	3.827	4.6869E+01	.55	.722
5.2229E+01	-.07	3.164	4.9484E+01	.13	2.060	4.6812E+01	.56	.721
5.2169E+01	.05	4.696	4.9425E+01	.05	5.883	4.6755E+01	.61	.689
5.2108E+01	-.02	24.443	4.9366E+01	.05	6.149	4.6698E+01	.62	.579
5.2048E+01	-.06	4.970	4.9307E+01	.03	8.464	4.6640E+01	.66	.578
5.1988E+01	-.03	7.742	4.9248E+01	-.01	40.502	4.6583E+01	.72	.493
5.1927E+01	.08	3.076	4.9190E+01	-.14	1.842	4.6526E+01	.76	.454
5.1867E+01	.14	1.650	4.9131E+01	-.13	2.160	4.6469E+01	.69	.529
5.1807E+01	.07	3.520	4.9072E+01	-.02	26.357	4.6412E+01	.69	.511
5.1746E+01	-.02	2.171	4.9014E+01	.00	324.712	4.6355E+01	.70	.482
5.1686E+01	-.12	1.946	4.8955E+01	-.02	22.450	4.6298E+01	.63	.524
5.1626E+01	.01	26.180	4.8897E+01	-.02	19.242	4.6241E+01	.54	.639
5.1566E+01	.00	51.460	4.8838E+01	.02	17.576	4.6184E+01	.46	.826
5.1506E+01	-.01	25.541	4.8780E+01	.19	1.758	4.6127E+01	.49	.780
5.1446E+01	.00	241.059	4.8721E+01	.21	1.361	4.6071E+01	.52	.728

E (EV)	S(B)	DS/S	E (EV)	S(B)	DS/S	E (EV)	S(B)	DS/S
4.6014E+01	.47	.717	4.3439E+01	.65	1.024	4.0938E+01	.21	3.779
4.5957E+01	.36	1.055	4.3384E+01	.37	1.278	4.0884E+01	.07	7.259
4.5900E+01	.27	1.375	4.3329E+01	.27	1.218	4.0831E+01	.21	1.957
4.5843E+01	.32	.988	4.3273E+01	.20	1.566	4.0777E+01	.11	3.683
4.5787E+01	.37	.899	4.3218E+01	.11	3.113	4.0724E+01	.09	4.113
4.5730E+01	.41	.878	4.3163E+01	.23	2.533	4.0671E+01	.13	7.902
4.5674E+01	.32	1.126	4.3108E+01	.24	1.788	4.0617E+01	-.00	126.596
4.5617E+01	.41	1.049	4.3053E+01	.24	1.728	4.0564E+01	-.19	1.930
4.5561E+01	.53	.719	4.2998E+01	.23	1.681	4.0511E+01	-.19	1.868
4.5504E+01	.42	.848	4.2944E+01	.20	1.883	4.0457E+01	-.20	1.819
4.5448E+01	.37	1.034	4.2889E+01	.11	3.030	4.0404E+01	.11	3.698
4.5391E+01	.31	1.266	4.2834E+01	.17	2.755	4.0351E+01	.15	2.502
4.5335E+01	.22	1.876	4.2779E+01	.26	1.505	4.0298E+01	.07	4.637
4.5278E+01	.38	1.038	4.2725E+01	.15	2.263	4.0245E+01	.06	5.667
4.5222E+01	.44	.730	4.2670E+01	.23	1.434	4.0192E+01	.07	4.907
4.5166E+01	.44	.718	4.2615E+01	.36	.929	4.0139E+01	.03	11.241
4.5110E+01	.40	.797	4.2561E+01	.29	1.169	4.0085E+01	.26	1.662
4.5053E+01	.43	.794	4.2506E+01	.29	1.178	4.0033E+01	.33	1.342
4.4997E+01	.49	.751	4.2451E+01	.20	1.709	3.9980E+01	.12	3.434
4.4941E+01	.47	.792	4.2397E+01	.10	3.169	3.9927E+01	.10	4.212
4.4885E+01	.46	.792	4.2342E+01	.18	2.819	3.9874E+01	.14	2.864
4.4829E+01	.42	.862	4.2288E+01	.28	1.409	3.9821E+01	.15	2.279
4.4773E+01	.50	.849	4.2234E+01	.19	1.731	3.9768E+01	.26	1.457
4.4717E+01	.50	.890	4.2179E+01	.27	1.409	3.9715E+01	.06	5.958
4.4661E+01	.37	.949	4.2125E+01	.32	1.212	3.9663E+01	-.11	3.339
4.4605E+01	.37	.998	4.2071E+01	.39	1.020	3.9610E+01	-.25	1.598
4.4549E+01	.43	.985	4.2016E+01	.51	1.502	3.9557E+01	-.34	1.036
4.4493E+01	.38	1.062	4.1962E+01	.50	1.597	3.9505E+01	-.42	.802
4.4437E+01	.30	1.345	4.1908E+01	.22	1.828	3.9452E+01	-.17	2.108
4.4382E+01	.24	1.603	4.1854E+01	.20	2.247	3.9399E+01	-.01	60.571
4.4326E+01	.30	1.221	4.1799E+01	.04	10.103	3.9347E+01	-.01	23.903
4.4270E+01	.67	.597	4.1745E+01	-.19	1.939	3.9294E+01	.07	5.295
4.4215E+01	.35	1.129	4.1691E+01	-.19	22.843	3.9242E+01	-.03	13.487
4.4159E+01	.48	1.085	4.1637E+01	.16	4.321	3.9190E+01	-.13	3.496
4.4103E+01	.70	.810	4.1583E+01	-.07	5.657	3.9137E+01	-.03	11.690
4.4048E+01	.61	.654	4.1529E+01	-.14	2.763	3.9085E+01	.08	9.128
4.3992E+01	.52	.734	4.1475E+01	-.11	3.735	3.9033E+01	.22	2.840
4.3937E+01	.36	1.114	4.1421E+01	.07	5.948	3.8980E+01	.19	2.389
4.3881E+01	.31	1.325	4.1368E+01	.10	3.983	3.8928E+01	.10	5.926
4.3826E+01	.34	1.320	4.1314E+01	-.05	8.099	3.8876E+01	-.02	20.529
4.3770E+01	.43	.942	4.1260E+01	.01	41.392	3.8824E+01	-.26	2.349
4.3715E+01	.40	.846	4.1206E+01	.06	5.484	3.8772E+01	-.41	1.486
4.3660E+01	.32	1.035	4.1152E+01	.25	2.064	3.8719E+01	-.25	1.758
4.3604E+01	.27	1.252	4.1099E+01	.46	.970	3.8667E+01	-.23	1.805
4.3549E+01	.49	.951	4.1045E+01	.54	.856	3.8615E+01	-.04	9.879
4.3494E+01	.74	.915	4.0992E+01	.35	1.239	3.8563E+01	.05	34.368

E (EV)	S(B)	DS/S	E (EV)	S(B)	DS/S	E (EV)	S(B)	DS/S
3.8511E+01	-.03	13.403	3.6159E+01	.53	.871	3.3880E+01	.39	1.964
3.8459E+01	-.14	2.436	3.6108E+01	.18	2.403	3.3832E+01	.43	1.547
3.8408E+01	-.14	2.188	3.6058E+01	.33	1.115	3.3783E+01	.63	1.024
3.8356E+01	.10	4.941	3.6008E+01	.24	2.307	3.3734E+01	.67	.998
3.8304E+01	-.06	9.387	3.5958E+01	.23	1.986	3.3686E+01	.54	.882
3.8252E+01	-.26	1.903	3.5908E+01	.48	1.229	3.3637E+01	.40	1.148
3.8200E+01	-.34	1.211	3.5857E+01	.67	.653	3.3589E+01	.41	1.099
3.8149E+01	-.25	.964	3.5807E+01	.53	.731	3.3540E+01	.43	1.085
3.8097E+01	-.15	2.639	3.5757E+01	.50	.792	3.3492E+01	-.11	4.465
3.8045E+01	-.05	11.809	3.5707E+01	.63	.652	3.3443E+01	-.32	1.469
3.7994E+01	-.42	.996	3.5657E+01	.52	.812	3.3395E+01	-.15	2.979
3.7942E+01	-.45	.881	3.5607E+01	.37	1.130	3.3346E+01	.17	2.816
3.7890E+01	-.16	2.630	3.5557E+01	.61	.767	3.3298E+01	.44	1.078
3.7839E+01	-.15	3.470	3.5507E+01	.73	.601	3.3250E+01	.29	1.643
3.7787E+01	-.10	5.798	3.5457E+01	.70	.766	3.3201E+01	.25	1.878
3.7736E+01	.17	2.796	3.5408E+01	.89	.640	3.3153E+01	.11	3.307
3.7685E+01	.66	.707	3.5358E+01	.70	.607	3.3105E+01	-.05	14.071
3.7633E+01	.48	.870	3.5308E+01	.57	.736	3.3057E+01	-.08	5.638
3.7582E+01	.31	1.400	3.5258E+01	.59	.750	3.3009E+01	.07	5.839
3.7531E+01	.25	1.611	3.5209E+01	.63	.782	3.2961E+01	.25	1.462
3.7479E+01	.30	1.369	3.5159E+01	.53	.879	3.2913E+01	.03	14.053
3.7428E+01	.60	.901	3.5109E+01	.58	.771	3.2865E+01	.09	5.243
3.7377E+01	.60	.770	3.5060E+01	.58	.893	3.2817E+01	.23	2.042
3.7326E+01	.49	.962	3.5010E+01	.60	.852	3.2769E+01	.18	2.571
3.7275E+01	.35	1.232	3.4961E+01	.40	1.048	3.2721E+01	.19	2.451
3.7224E+01	.37	1.285	3.4911E+01	.19	2.234	3.2673E+01	.27	1.732
3.7172E+01	.33	1.278	3.4862E+01	.23	1.871	3.2625E+01	.29	2.329
3.7121E+01	.37	1.056	3.4812E+01	.55	2.042	3.2577E+01	-.05	10.701
3.7071E+01	.66	1.163	3.4763E+01	.98	.535	3.2530E+01	-.16	2.613
3.7020E+01	.95	.625	3.4714E+01	.74	1.048	3.2482E+01	.03	20.459
3.6969E+01	.54	.834	3.4664E+01	.30	1.726	3.2434E+01	.61	.891
3.6918E+01	.45	.924	3.4615E+01	.30	1.466	3.2387E+01	.87	.628
3.6867E+01	.83	.557	3.4566E+01	.39	1.336	3.2339E+01	1.83	.328
3.6816E+01	.81	.607	3.4517E+01	.44	1.041	3.2291E+01	3.03	.202
3.6765E+01	1.05	.481	3.4467E+01	.76	.593	3.2244E+01	3.45	.196
3.6715E+01	1.50	.485	3.4418E+01	.71	.814	3.2196E+01	3.65	.183
3.6664E+01	1.39	.475	3.4369E+01	.43	1.143	3.2149E+01	3.49	.170
3.6613E+01	1.60	.645	3.4320E+01	.49	.913	3.2101E+01	3.09	.191
3.6562E+01	1.44	.534	3.4271E+01	.59	1.179	3.2054E+01	2.42	.326
3.6512E+01	1.42	.314	3.4222E+01	.64	.993	3.2007E+01	1.46	.417
3.6461E+01	1.35	.370	3.4173E+01	.63	.946	3.1959E+01	.93	.567
3.6411E+01	1.28	.434	3.4124E+01	.56	.993	3.1912E+01	.49	1.297
3.6360E+01	1.12	.474	3.4075E+01	.45	1.120	3.1865E+01	.33	1.754
3.6310E+01	1.03	.474	3.4027E+01	.33	1.403	3.1817E+01	.30	1.612
3.6259E+01	.72	.691	3.3978E+01	.13	3.665	3.1770E+01	.22	1.356
3.6209E+01	.55	.885	3.3929E+01	.23	3.719	3.1723E+01	.05	11.747

E (EV)	S(B)	DS/S	E (EV)	S(B)	DS/S	E (EV)	S(B)	DS/S
3.1676E+01	-.16	3.223	2.9546E+01	.40	1.472	2.7490E+01	-.60	1.149
3.1629E+01	.14	3.969	2.9500E+01	.51	3.007	2.7446E+01	-.43	1.572
3.1582E+01	.45	1.109	2.9455E+01	.55	20.814	2.7402E+01	-.34	2.337
3.1535E+01	.27	1.895	2.9409E+01	.25	6.649	2.7358E+01	-.24	3.232
3.1488E+01	.02	30.253	2.9364E+01	.28	2.076	2.7314E+01	-.29	2.361
3.1441E+01	.19	2.627	2.9319E+01	.11	4.699	2.7271E+01	-.19	3.772
3.1394E+01	.41	1.280	2.9273E+01	-.14	4.421	2.7227E+01	-.27	2.680
3.1347E+01	.31	1.654	2.9228E+01	-.15	3.632	2.7183E+01	-.57	1.248
3.1300E+01	.22	2.252	2.9183E+01	.06	9.565	2.7140E+01	-.71	.975
3.1253E+01	.33	1.550	2.9138E+01	.30	2.342	2.7096E+01	-.87	.761
3.1207E+01	.53	.960	2.9092E+01	.29	2.636	2.7053E+01	-1.25	.646
3.1160E+01	.51	1.000	2.9047E+01	.18	3.350	2.7009E+01	-1.10	.621
3.1113E+01	.50	1.053	2.9002E+01	.28	2.126	2.6966E+01	-.45	1.557
3.1066E+01	.51	1.318	2.8957E+01	.25	1.845	2.6922E+01	-.19	3.744
3.1020E+01	.43	1.351	2.8912E+01	-.16	3.983	2.6879E+01	-.29	4.160
3.0973E+01	.33	1.723	2.8867E+01	-.04	16.487	2.6835E+01	-.35	2.300
3.0927E+01	.59	1.008	2.8822E+01	.21	2.939	2.6792E+01	-.49	1.431
3.0880E+01	.76	.848	2.8777E+01	.33	1.897	2.6749E+01	-.66	1.086
3.0833E+01	.76	.765	2.8732E+01	.63	1.036	2.6705E+01	-1.05	.685
3.0787E+01	.64	.838	2.8687E+01	.72	.877	2.6662E+01	-1.34	.616
3.0741E+01	.50	1.206	2.8643E+01	.60	1.045	2.6619E+01	-1.38	.514
3.0694E+01	.34	1.699	2.8598E+01	.42	1.517	2.6576E+01	-1.30	.547
3.0648E+01	.31	1.695	2.8553E+01	.37	2.073	2.6533E+01	-1.22	.578
3.0601E+01	.20	2.711	2.8508E+01	.36	2.057	2.6489E+01	-1.17	.605
3.0555E+01	.28	1.918	2.8464E+01	.23	2.824	2.6446E+01	-1.01	.732
3.0509E+01	.42	1.475	2.8419E+01	.10	7.290	2.6403E+01	-.92	.840
3.0463E+01	.56	1.280	2.8375E+01	-.16	4.588	2.6360E+01	-1.02	.727
3.0417E+01	.63	.965	2.8330E+01	-.27	2.601	2.6317E+01	-1.20	.670
3.0370E+01	.79	.754	2.8285E+01	-.23	2.690	2.6274E+01	-1.73	.453
3.0324E+01	.65	.927	2.8241E+01	-.05	12.233	2.6231E+01	-2.34	.332
3.0278E+01	.38	1.500	2.8196E+01	-.07	9.453	2.6189E+01	-2.42	.310
3.0232E+01	.41	1.383	2.8152E+01	-.18	3.406	2.6146E+01	-2.22	.329
3.0186E+01	.65	.915	2.8108E+01	-.26	2.569	2.6103E+01	-1.88	.396
3.0140E+01	.61	.966	2.8063E+01	-.46	1.425	2.6060E+01	-1.40	.722
3.0094E+01	.47	1.188	2.8019E+01	-.53	1.603	2.6018E+01	-.99	.874
3.0048E+01	.48	1.456	2.7975E+01	-.43	1.999	2.5975E+01	-1.13	.821
3.0003E+01	.68	2.099	2.7930E+01	-.59	1.255	2.5932E+01	-1.41	.772
2.9957E+01	.74	1.046	2.7886E+01	-.59	1.008	2.5890E+01	-1.41	.625
2.9911E+01	.81	.819	2.7842E+01	-.42	1.422	2.5847E+01	-1.08	.753
2.9865E+01	.70	.820	2.7798E+01	-.34	1.798	2.5804E+01	-.95	1.008
2.9819E+01	.57	.988	2.7754E+01	-.34	2.030	2.5762E+01	-1.04	.897
2.9774E+01	.52	1.115	2.7710E+01	-.35	1.931	2.5720E+01	-1.26	.652
2.9728E+01	.37	1.638	2.7665E+01	-.30	2.238	2.5677E+01	-1.25	.636
2.9682E+01	.34	1.839	2.7621E+01	-.35	1.939	2.5635E+01	-1.08	.867
2.9637E+01	.42	1.432	2.7577E+01	-.22	3.057	2.5592E+01	-1.42	.697
2.9591E+01	.36	1.601	2.7534E+01	-.53	1.262	2.5550E+01	-1.84	.489

E (EV)	S(B)	DS/S	E (EV)	S(B)	DS/S	E (EV)	S(B)	DS/S
2.5508E+01	-1.85	.491	2.3559E+01	1.14	.887	2.1727E+01	-1.24	1.110
2.5466E+01	-1.85	.578	2.3519E+01	1.17	.867	2.1688E+01	-1.11	1.233
2.5423E+01	-2.05	.656	2.3478E+01	1.01	1.015	2.1649E+01	-.94	1.470
2.5381E+01	-1.66	.719	2.3437E+01	.66	1.584	2.1610E+01	-.67	2.104
2.5339E+01	-1.26	.713	2.3397E+01	.71	1.466	2.1572E+01	-.68	2.084
2.5297E+01	-1.19	.669	2.3357E+01	1.11	.934	2.1533E+01	-.73	1.942
2.5255E+01	-.71	1.245	2.3316E+01	1.31	.811	2.1494E+01	-.55	2.584
2.5213E+01	.19	4.810	2.3275E+01	1.36	.790	2.1455E+01	-.34	4.251
2.5171E+01	.91	.970	2.3235E+01	1.30	1.046	2.1416E+01	-.46	3.124
2.5129E+01	1.22	.701	2.3195E+01	1.05	1.278	2.1378E+01	-.70	2.104
2.5087E+01	1.02	.831	2.3155E+01	.86	1.249	2.1339E+01	-.76	1.949
2.5045E+01	.81	1.045	2.3114E+01	.76	1.433	2.1300E+01	-.74	2.001
2.5003E+01	.79	1.068	2.3074E+01	.87	1.315	2.1261E+01	-.43	3.472
2.4961E+01	.74	1.156	2.3034E+01	.99	1.541	2.1223E+01	.02	74.956
2.4919E+01	.72	1.191	2.2994E+01	.84	1.824	2.1184E+01	-.04	34.193
2.4878E+01	.73	1.179	2.2954E+01	.61	2.017	2.1146E+01	-.45	3.363
2.4836E+01	.83	1.057	2.2914E+01	.53	2.400	2.1107E+01	-.66	2.324
2.4794E+01	1.03	.883	2.2874E+01	.43	2.905	2.1069E+01	-.93	1.687
2.4752E+01	1.24	.752	2.2834E+01	.62	1.757	2.1031E+01	-1.10	1.447
2.4711E+01	1.23	.747	2.2794E+01	.48	2.277	2.0992E+01	-.82	1.941
2.4669E+01	.97	.933	2.2754E+01	.18	6.220	2.0954E+01	-.63	2.530
2.4628E+01	.87	1.031	2.2714E+01	.14	7.806	2.0916E+01	-.39	4.152
2.4586E+01	.87	1.029	2.2674E+01	.12	9.459	2.0877E+01	-.16	10.118
2.4545E+01	.91	.992	2.2634E+01	.07	16.965	2.0839E+01	-.54	3.090
2.4503E+01	.94	.975	2.2594E+01	.18	6.527	2.0801E+01	-1.14	1.497
2.4462E+01	.76	1.204	2.2554E+01	.24	4.822	2.0763E+01	-1.53	1.125
2.4420E+01	.55	1.633	2.2515E+01	-.10	11.687	2.0725E+01	-1.77	.982
2.4355E+01	.47	1.389	2.2475E+01	-.66	1.789	2.0687E+01	-2.20	.802
2.4296E+01	.69	1.348	2.2435E+01	-1.58	.887	2.0648E+01	-2.35	.765
2.4255E+01	.61	1.513	2.2396E+01	-1.95	40.989	2.0610E+01	-1.88	.981
2.4214E+01	.32	2.846	2.2356E+01	-2.78	3.831	2.0572E+01	-1.26	1.471
2.4173E+01	.21	4.402	2.2317E+01	-3.83	.332	2.0534E+01	-.60	3.099
2.4132E+01	.45	2.069	2.2277E+01	-4.67	.275	2.0496E+01	.19	9.911
2.4091E+01	.89	1.095	2.2237E+01	-4.79	.272	2.0459E+01	.88	2.428
2.4049E+01	1.16	.848	2.2198E+01	-4.13	.314	2.0421E+01	1.08	1.790
2.4008E+01	1.16	.845	2.2159E+01	-2.93	.437	2.0383E+01	.94	2.035
2.3967E+01	1.06	.930	2.2119E+01	-2.09	.611	2.0345E+01	.97	1.946
2.3926E+01	.98	1.010	2.2080E+01	-1.70	.750	2.0308E+01	.66	2.870
2.3885E+01	1.04	.958	2.2040E+01	-1.37	.940	2.0270E+01	-.52	3.719
2.3845E+01	1.08	.924	2.2001E+01	-1.23	1.056	2.0232E+01	-1.34	1.499
2.3804E+01	1.10	.911	2.1962E+01	-1.00	1.310	2.0194E+01	-1.40	1.458
2.3763E+01	1.31	.776	2.1923E+01	-.95	1.403	2.0157E+01	-2.00	1.042
2.3722E+01	1.39	.837	2.1884E+01	-1.44	.917	2.0119E+01	-2.56	.814
2.3681E+01	1.36	.874	2.1845E+01	-1.84	.853	2.0082E+01	-1.31	1.650
2.3641E+01	1.23	.851	2.1805E+01	-1.76	.764	2.0044E+01	.65	3.489
2.3600E+01	1.12	.912	2.1766E+01	-1.45	.935	1.9981E+01	.74	2.260

E (EV)	S (B)	DS/S	E (EV)	S (B)	DS/S	E (EV)	S (B)	DS/S
1.9944E+01	.97	1.691	1.9203E+01	-1.50	1.699	1.8476E+01	69.61	.092
1.9907E+01	1.88	1.237	1.9157E+01	-1.96	1.329	1.8441E+01	48.58	.105
1.9869E+01	3.03	1.272	1.9130E+01	-2.51	1.036	1.8405E+01	36.33	.115
1.9832E+01	3.70	1.294	1.9093E+01	-2.22	1.151	1.8369E+01	29.36	.123
1.9795E+01	3.78	1.137	1.9057E+01	-.33	7.307	1.8333E+01	25.13	.140
1.9757E+01	3.31	.892	1.9020E+01	1.51	1.490	1.8297E+01	21.62	.152
1.9720E+01	2.10	.961	1.8984E+01	2.24	1.002	1.8261E+01	18.60	.161
1.9683E+01	.61	3.066	1.8947E+01	2.79	.801	1.8226E+01	17.29	.172
1.9646E+01	-.88	2.300	1.8911E+01	3.34	.665	1.8190E+01	16.27	.183
1.9609E+01	-2.04	1.090	1.8875E+01	3.99	.555	1.8154E+01	14.73	.200
1.9572E+01	-2.41	.949	1.8838E+01	5.66	.413	1.8119E+01	13.06	.224
1.9535E+01	-2.08	1.117	1.8802E+01	9.01	.337	1.8083E+01	12.02	.244
1.9498E+01	-1.64	1.495	1.8765E+01	14.31	.297	1.8047E+01	11.22	.262
1.9461E+01	-1.96	1.354	1.8729E+01	23.50	.257	1.8012E+01	10.30	.284
1.9424E+01	-2.47	1.123	1.8693E+01	40.72	.174	1.7976E+01	9.19	.315
1.9387E+01	-1.95	1.391	1.8657E+01	66.67	.108	1.7941E+01	7.28	.403
1.9350E+01	-1.40	1.964	1.8621E+01	95.35	.090	1.7905E+01	3.27	1.199
1.9313E+01	-.88	3.149	1.8585E+01	114.32	.083	1.7870E+01	-1.30	3.649
1.9277E+01	-.51	5.189	1.8549E+01	114.53	.080	1.7835E+01	-3.83	1.169
1.9240E+01	-.95	2.671	1.8513E+01	96.18	.084	1.7799E+01	-4.11	.841

TABLE II  
FISSION CROSS SECTION OF PU-238

E (EV)	S(B)	DS/S	E (EV)	S(B)	DS/S	E (EV)	S(B)	DS/S
9.9713E+04	.70	.083	7.8970E+04	.62	.238	6.4086E+04	.45	.099
9.9142E+04	.58	.084	7.8557E+04	.45	.220	6.3791E+04	.59	.099
9.8576E+04	.54	.082	7.8157E+04	.40	.237	6.3498E+04	.63	.095
9.8014E+04	.59	.086	7.7771E+04	.65	.154	6.3208E+04	.57	.164
9.7458E+04	.72	.095	7.7377E+04	.56	.116	6.2919E+04	.55	.106
9.6906E+04	.64	.079	7.6985E+04	.53	.110	6.2633E+04	.43	.116
9.6358E+04	.61	.084	7.6599E+04	.59	.092	6.2348E+04	.37	.114
9.5816E+04	.76	.093	7.6214E+04	.64	.094	6.2066E+04	.51	.144
9.5278E+04	.79	.080	7.5832E+04	.62	.105	6.1785E+04	.67	.091
9.4744E+04	.70	.088	7.5453E+04	.54	.093	6.1506E+04	.60	.088
9.4215E+04	.74	.084	7.5077E+04	.49	.094	6.1229E+04	.68	.118
9.3690E+04	.84	.094	7.4704E+04	.53	.107	6.0954E+04	.65	.095
9.3170E+04	.72	.091	7.4333E+04	.60	.097	6.0681E+04	.71	.103
9.2654E+04	.71	.103	7.3955E+04	.60	.088	6.0409E+04	.73	.089
9.2142E+04	.66	.086	7.3600E+04	.56	.125	6.0140E+04	.69	.108
9.1635E+04	.78	.092	7.3238E+04	.59	.136	5.9872E+04	.51	.144
9.1132E+04	.65	.111	7.2878E+04	.68	.139	5.9606E+04	.44	.112
9.0632E+04	.55	.092	7.2521E+04	.65	.083	5.9342E+04	.59	.167
9.0137E+04	.54	.087	7.2155E+04	.76	.089	5.9079E+04	.62	.157
8.9646E+04	.60	.091	7.1814E+04	.87	.195	5.8819E+04	.53	.121
8.9159E+04	.47	.087	7.1455E+04	.60	.177	5.8560E+04	.53	.102
8.8676E+04	.55	.197	7.1118E+04	.68	.113	5.8302E+04	.62	.095
8.8197E+04	.71	.093	7.0774E+04	.62	.150	5.8047E+04	.56	.105
8.7722E+04	.68	.086	7.0432E+04	.43	.088	5.7793E+04	.67	.087
8.7250E+04	.68	.112	7.0093E+04	.47	.114	5.7541E+04	.67	.099
8.6783E+04	.59	.133	6.9755E+04	.53	.108	5.7290E+04	.64	.105
8.6319E+04	.61	.085	6.9422E+04	.55	.169	5.7041E+04	.84	.112
8.5859E+04	.76	.130	6.9090E+04	.62	.086	5.6794E+04	.67	.115
8.5402E+04	.78	.079	6.8750E+04	.51	.091	5.6548E+04	.60	.089
8.4949E+04	.65	.087	6.8433E+04	.50	.092	5.6304E+04	.64	.091
8.4500E+04	.59	.144	6.8108E+04	.63	.116	5.6061E+04	.85	.115
8.4054E+04	.59	.117	6.7785E+04	.77	.086	5.5820E+04	1.04	.098
8.3612E+04	.66	.093	6.7455E+04	.62	.111	5.5580E+04	1.00	.098
8.3173E+04	.70	.086	6.7147E+04	.48	.098	5.5343E+04	1.00	.140
8.2738E+04	.76	.085	6.6831E+04	.60	.092	5.5106E+04	1.09	.133
8.2306E+04	.81	.085	6.6517E+04	.49	.123	5.4871E+04	.96	.102
8.1878E+04	.80	.084	6.6205E+04	.43	.107	5.4638E+04	.92	.088
8.1453E+04	.74	.081	6.5895E+04	.53	.103	5.4406E+04	.82	.135
8.1031E+04	.53	.090	6.5589E+04	.68	.106	5.4175E+04	.73	.120
8.0612E+04	.45	.148	6.5284E+04	.64	.091	5.3946E+04	.80	.098
8.0197E+04	.48	.119	6.4981E+04	.64	.091	5.3719E+04	.61	.149
7.9785E+04	.48	.122	6.4681E+04	.56	.094	5.3493E+04	.40	.103
7.9376E+04	.65	.174	6.4382E+04	.46	.137	5.3268E+04	.46	.109



E (EV)	S(B)	DS/S	E (EV)	S(B)	DS/S	E (EV)	S(B)	DS/S
5.3045E+04	.49	.118	4.4119E+04	.47	.226	3.7271E+04	.70	.099
5.2823E+04	.59	.103	4.3951E+04	.57	.168	3.7140E+04	.68	.182
5.2603E+04	.55	.102	4.3783E+04	.50	.139	3.7010E+04	.73	.133
5.2383E+04	.60	.103	4.3617E+04	.65	.108	3.6880E+04	.69	.114
5.2166E+04	.57	.120	4.3452E+04	.78	.093	3.6752E+04	.68	.235
5.1949E+04	.47	.104	4.3287E+04	.67	.120	3.6624E+04	.87	.133
5.1734E+04	.51	.168	4.3123E+04	.61	.108	3.6496E+04	1.16	.096
5.1521E+04	.50	.109	4.2951E+04	.58	.148	3.6370E+04	.97	.200
5.1308E+04	.56	.103	4.2799E+04	.55	.286	3.6244E+04	.76	.101
5.1097E+04	.73	.113	4.2638E+04	.44	.245	3.6118E+04	.83	.102
5.0887E+04	.73	.099	4.2478E+04	.49	.226	3.5994E+04	.98	.091
5.0679E+04	.65	.099	4.2319E+04	.78	.123	3.5870E+04	.91	.068
5.0472E+04	.76	.093	4.2151E+04	.99	.101	3.5746E+04	.87	.118
5.0266E+04	.92	.108	4.2004E+04	1.13	.099	3.5623E+04	1.01	.098
5.0061E+04	.80	.111	4.1847E+04	.90	.104	3.5501E+04	1.02	.137
4.9858E+04	.64	.188	4.1692E+04	.93	.131	3.5380E+04	.87	.111
4.9656E+04	.70	.142	4.1537E+04	1.13	.112	3.5259E+04	.71	.159
4.9455E+04	.70	.100	4.1383E+04	.91	.096	3.5138E+04	.70	.103
4.9255E+04	.74	.126	4.1231E+04	.92	.130	3.5019E+04	.80	.107
4.9056E+04	.89	.084	4.1078E+04	1.11	.094	3.4900E+04	.93	.099
4.8859E+04	.80	.090	4.0927E+04	1.04	.092	3.4781E+04	.80	.124
4.8663E+04	.76	.101	4.0777E+04	.88	.128	3.4663E+04	.69	.117
4.8468E+04	.79	.100	4.0627E+04	.88	.102	3.4546E+04	.62	.123
4.8274E+04	.79	.095	4.0478E+04	.74	.107	3.4429E+04	.72	.151
4.8081E+04	.68	.109	4.0330E+04	.62	.105	3.4313E+04	.89	.118
4.7890E+04	.65	.102	4.0183E+04	.66	.091	3.4198E+04	.97	.104
4.7700E+04	.70	.151	4.0037E+04	.60	.116	3.4083E+04	.63	.100
4.7510E+04	.63	.131	3.9891E+04	.49	.103	3.3969E+04	.83	.116
4.7322E+04	.48	.215	3.9747E+04	.58	.101	3.3855E+04	.80	.099
4.7135E+04	.54	.104	3.9603E+04	.59	.145	3.3742E+04	.64	.106
4.6949E+04	.56	.110	3.9450E+04	.50	.118	3.3629E+04	.59	.108
4.6765E+04	.58	.101	3.9317E+04	.45	.154	3.3517E+04	.80	.101
4.6581E+04	.59	.143	3.9176E+04	.57	.136	3.3406E+04	.98	.112
4.6398E+04	.59	.107	3.9035E+04	.77	.089	3.3295E+04	.97	.100
4.6217E+04	.58	.106	3.8895E+04	.93	.098	3.3184E+04	.82	.102
4.6036E+04	.70	.103	3.8755E+04	1.13	.091	3.3074E+04	.83	.167
4.5857E+04	.88	.091	3.8617E+04	1.11	.100	3.2965E+04	.84	.106
4.5679E+04	.73	.101	3.8479E+04	.95	.135	3.2856E+04	.75	.108
4.5501E+04	.66	.147	3.8342E+04	1.07	.143	3.2748E+04	.66	.108
4.5325E+04	.60	.162	3.8205E+04	1.01	.094	3.2640E+04	.73	.108
4.5150E+04	.61	.104	3.8070E+04	.85	.096	3.2533E+04	.68	.116
4.4975E+04	.62	.102	3.7935E+04	.77	.094	3.2427E+04	.69	.133
4.4802E+04	.68	.192	3.7800E+04	.74	.118	3.2321E+04	.77	.174
4.4630E+04	.60	.121	3.7657E+04	.85	.116	3.2215E+04	.74	.106
4.4459E+04	.47	.125	3.7534E+04	.76	.113	3.2110E+04	.89	.152
4.4288E+04	.40	.116	3.7402E+04	.80	.108	3.2005E+04	.90	.171

E (EV)	S (R)	DS/S	E (EV)	S (B)	DS/S	E (EV)	S (B)	DS/S
3.1901E+04	.81	.196	2.7614E+04	.87	.104	2.4136E+04	.41	.286
3.1798E+04	.90	.098	2.7531E+04	.91	.233	2.4068E+04	.33	.158
3.1695E+04	.80	.135	2.7448E+04	.58	.187	2.4000E+04	.28	.307
3.1592E+04	.77	.124	2.7355E+04	.44	.212	2.3933E+04	.34	.152
3.1490E+04	.84	.112	2.7283E+04	.46	.130	2.3866E+04	.50	.149
3.1389E+04	.83	.118	2.7201E+04	.52	.144	2.3799E+04	.81	.107
3.1288E+04	.57	.293	2.7119E+04	.65	.132	2.3732E+04	.75	.108
3.1187E+04	.63	.271	2.7038E+04	.93	.320	2.3665E+04	.73	.114
3.1087E+04	.65	.102	2.6957E+04	1.37	.248	2.3599E+04	.81	.105
3.0987E+04	.81	.107	2.6877E+04	1.55	.100	2.3533E+04	.72	.132
3.0888E+04	.92	.096	2.6797E+04	1.33	.095	2.3468E+04	.49	.120
3.0790E+04	.78	.243	2.6717E+04	1.26	.142	2.3402E+04	.47	.255
3.0691E+04	.78	.122	2.6638E+04	1.33	.101	2.3337E+04	.61	.131
3.0594E+04	.81	.106	2.6559E+04	1.34	.122	2.3272E+04	.77	.141
3.0496E+04	.87	.149	2.6480E+04	.99	.129	2.3208E+04	.74	.109
3.0400E+04	.84	.103	2.6402E+04	.71	.111	2.3144E+04	.82	.120
3.0303E+04	.79	.110	2.6324E+04	.67	.119	2.3080E+04	1.09	.108
3.0207E+04	.69	.110	2.6245E+04	.57	.121	2.3016E+04	1.24	.098
3.0112E+04	.58	.111	2.6159E+04	.41	.181	2.2952E+04	1.31	.214
3.0017E+04	.47	.127	2.6092E+04	.47	.218	2.2889E+04	1.13	.183
2.9923E+04	.44	.136	2.6015E+04	.60	.153	2.2826E+04	1.09	.094
2.9829E+04	.45	.141	2.5939E+04	.61	.153	2.2764E+04	1.10	.109
2.9735E+04	.52	.149	2.5853E+04	.58	.189	2.2701E+04	.85	.129
2.9642E+04	.50	.134	2.5788E+04	.62	.125	2.2639E+04	.77	.160
2.9549E+04	.53	.161	2.5712E+04	.49	.192	2.2577E+04	.80	.171
2.9457E+04	.57	.140	2.5637E+04	.48	.207	2.2515E+04	.67	.114
2.9365E+04	.74	.127	2.5563E+04	.57	.122	2.2454E+04	.64	.129
2.9273E+04	.85	.113	2.5488E+04	.72	.125	2.2393E+04	.66	.111
2.9182E+04	.92	.104	2.5414E+04	.77	.112	2.2332E+04	.70	.375
2.9092E+04	.82	.146	2.5341E+04	.99	.102	2.2271E+04	.63	.202
2.9002E+04	.67	.193	2.5258E+04	1.05	.159	2.2211E+04	.68	.117
2.8912E+04	.70	.112	2.5195E+04	1.05	.101	2.2151E+04	.80	.104
2.8822E+04	.62	.169	2.5122E+04	.85	.108	2.2091E+04	.84	.111
2.8734E+04	.81	.157	2.5049E+04	.77	.099	2.2031E+04	1.16	.244
2.8645E+04	.98	.229	2.4977E+04	.78	.104	2.1972E+04	1.45	.099
2.8557E+04	.83	.163	2.4905E+04	.74	.113	2.1912E+04	1.48	.126
2.8469E+04	.79	.149	2.4834E+04	.65	.122	2.1854E+04	1.10	.105
2.8382E+04	.77	.130	2.4753E+04	.54	.111	2.1795E+04	1.03	.096
2.8295E+04	.68	.189	2.4692E+04	.49	.120	2.1736E+04	.99	.101
2.8209E+04	.85	.106	2.4622E+04	.56	.114	2.1678E+04	.82	.091
2.8122E+04	.83	.137	2.4552E+04	.60	.104	2.1620E+04	.74	.161
2.8037E+04	.81	.128	2.4482E+04	.66	.116	2.1562E+04	.88	.143
2.7951E+04	.95	.122	2.4412E+04	.55	.101	2.1505E+04	.67	.105
2.7866E+04	1.36	.185	2.4343E+04	.58	.142	2.1447E+04	.88	.112
2.7782E+04	1.19	.166	2.4274E+04	.47	.171	2.1390E+04	1.09	.105
2.7698E+04	.84	.157	2.4205E+04	.39	.127	2.1333E+04	1.07	.108

E (EV)	S(B)	DS/S	E (EV)	S(B)	DS/S	E (EV)	S(B)	DS/S
2.1277E+04	1.08	.131	1.8897E+04	.75	.269	1.6895E+04	1.33	.155
2.1220E+04	.99	.110	1.8850E+04	.53	.117	1.6855E+04	1.04	.181
2.1164E+04	.93	.184	1.8803E+04	.56	.302	1.6815E+04	.89	.147
2.1108E+04	.91	.140	1.8755E+04	.43	.216	1.6776E+04	.80	.150
2.1052E+04	1.10	.106	1.8709E+04	.31	.205	1.6736E+04	.72	.143
2.0997E+04	1.09	.103	1.8652E+04	.31	.274	1.6697E+04	.59	.158
2.0942E+04	.86	.124	1.8616E+04	.41	.161	1.6658E+04	.47	.188
2.0887E+04	.71	.108	1.8570E+04	.52	.162	1.6619E+04	.43	.174
2.0832E+04	.90	.128	1.8524E+04	.52	.147	1.6580E+04	.45	.183
2.0777E+04	1.02	.115	1.8478E+04	.50	.162	1.6541E+04	.39	.195
2.0723E+04	1.29	.118	1.8432E+04	.56	.204	1.6502E+04	.41	.273
2.0668E+04	1.33	.109	1.8387E+04	.65	.130	1.6464E+04	.43	.199
2.0614E+04	1.13	.127	1.8342E+04	1.54	.190	1.6425E+04	.46	.167
2.0561E+04	1.14	.160	1.8295E+04	2.29	.124	1.6387E+04	.48	.185
2.0507E+04	1.39	.098	1.8251E+04	1.17	.152	1.6349E+04	.47	.413
2.0454E+04	1.29	.094	1.8207E+04	.65	.181	1.6311E+04	.62	.149
2.0400E+04	1.09	.122	1.8162E+04	.61	.141	1.6273E+04	.73	.236
2.0347E+04	.75	.128	1.8117E+04	.75	.139	1.6235E+04	.86	.312
2.0295E+04	.61	.147	1.8073E+04	.75	.110	1.6197E+04	1.35	.403
2.0242E+04	.70	.126	1.8029E+04	.63	.107	1.6160E+04	1.37	.275
2.0190E+04	.82	.181	1.7985E+04	.76	.219	1.6123E+04	1.19	.145
2.0138E+04	.92	.131	1.7941E+04	1.03	.165	1.6085E+04	1.21	.128
2.0086E+04	1.14	.125	1.7897E+04	1.05	.115	1.6048E+04	1.40	.160
2.0034E+04	1.65	.100	1.7854E+04	.98	.130	1.6011E+04	1.57	.135
1.9982E+04	1.60	.164	1.7811E+04	1.10	.105	1.5975E+04	1.33	.129
1.9931E+04	1.04	.181	1.7757E+04	1.19	.138	1.5938E+04	1.00	.151
1.9880E+04	.80	.118	1.7724E+04	1.18	.143	1.5901E+04	.82	.158
1.9829E+04	.79	.194	1.7681E+04	1.06	.141	1.5865E+04	.78	.160
1.9778E+04	.55	.159	1.7639E+04	.96	.116	1.5828E+04	.61	.184
1.9728E+04	.48	.147	1.7595E+04	1.07	.120	1.5792E+04	.45	.257
1.9677E+04	.54	.154	1.7554E+04	1.16	.193	1.5756E+04	.41	.240
1.9627E+04	.53	.131	1.7511E+04	1.12	.392	1.5720E+04	.34	.452
1.9577E+04	.41	.139	1.7469E+04	1.20	.167	1.5684E+04	.62	.200
1.9527E+04	.39	.157	1.7427E+04	1.01	.163	1.5649E+04	.61	.212
1.9478E+04	.55	.229	1.7385E+04	1.06	.292	1.5613E+04	.52	.190
1.9428E+04	.67	.239	1.7344E+04	.90	.162	1.5578E+04	.46	.266
1.9379E+04	.64	.114	1.7302E+04	.65	.154	1.5542E+04	.66	.336
1.9330E+04	.54	.140	1.7251E+04	.51	.153	1.5507E+04	.88	.214
1.9281E+04	.55	.127	1.7220E+04	.48	.194	1.5472E+04	.65	.353
1.9232E+04	.61	.198	1.7179E+04	.49	.159	1.5437E+04	.50	.348
1.9184E+04	.51	.158	1.7138E+04	.54	.176	1.5402E+04	.55	.201
1.9136E+04	.63	.155	1.7097E+04	.69	.260	1.5367E+04	.51	.224
1.9088E+04	.63	.126	1.7055E+04	.68	.341	1.5333E+04	.56	.202
1.9040E+04	.67	.122	1.7015E+04	.55	.155	1.5298E+04	.76	.230
1.8992E+04	.61	.121	1.6975E+04	.66	.378	1.5264E+04	.68	.180
1.8944E+04	.69	.132	1.6935E+04	1.23	.131	1.5229E+04	.54	.198

E (EV)	S(R)	DS/S	E (EV)	S (R)	DS/S	E (EV)	S (R)	DS/S
1.5195E+04	.71	.469	1.3740E+04	.57	.152	1.2484E+04	.72	.178
1.5161E+04	.72	.455	1.3710E+04	.53	.174	1.2458E+04	.67	.195
1.5127E+04	.46	.401	1.3681E+04	.60	.458	1.2433E+04	.48	.211
1.5093E+04	.48	.462	1.3652E+04	.61	.302	1.2408E+04	.33	.301
1.5060E+04	.41	.424	1.3623E+04	.74	.193	1.2383E+04	.26	.373
1.5026E+04	.26	.259	1.3594E+04	.70	.153	1.2358E+04	.35	.303
1.4993E+04	.25	.319	1.3565E+04	.75	.151	1.2333E+04	.41	.230
1.4959E+04	.36	.218	1.3537E+04	.79	.261	1.2308E+04	.38	.222
1.4926E+04	.46	.283	1.3508E+04	1.23	.232	1.2283E+04	.34	.226
1.4893E+04	.46	.328	1.3480E+04	2.08	.149	1.2258E+04	.29	.243
1.4860E+04	.31	.312	1.3451E+04	2.25	.097	1.2234E+04	.29	.286
1.4827E+04	.37	.181	1.3423E+04	1.84	.125	1.2209E+04	.39	.553
1.4794E+04	.53	.168	1.3394E+04	1.19	.123	1.2185E+04	.31	.218
1.4761E+04	.56	.151	1.3365E+04	1.10	.149	1.2160E+04	.30	.386
1.4729E+04	.67	.164	1.3338E+04	.94	.242	1.2136E+04	.34	.216
1.4696E+04	.54	.203	1.3310E+04	.70	.182	1.2111E+04	.47	.161
1.4664E+04	.35	.261	1.3282E+04	.68	.138	1.2087E+04	.51	.167
1.4632E+04	.40	.349	1.3254E+04	.71	.166	1.2063E+04	.35	.201
1.4599E+04	.54	.249	1.3227E+04	.63	.154	1.2039E+04	.24	.311
1.4567E+04	.51	.159	1.3199E+04	.62	.183	1.2015E+04	.17	.362
1.4535E+04	.42	.212	1.3171E+04	.57	.165	1.1991E+04	.17	.354
1.4503E+04	.57	.158	1.3144E+04	.47	.360	1.1967E+04	.32	.222
1.4472E+04	.79	.157	1.3117E+04	.60	.468	1.1943E+04	.36	.458
1.4440E+04	.76	.144	1.3089E+04	.69	.319	1.1919E+04	.34	.163
1.4409E+04	.68	.145	1.3062E+04	.66	.177	1.1896E+04	.31	.177
1.4377E+04	.66	.160	1.3035E+04	.59	.154	1.1872E+04	.34	.294
1.4346E+04	.87	.193	1.3008E+04	.49	.172	1.1849E+04	.49	.150
1.4314E+04	1.09	.120	1.2981E+04	.45	.185	1.1825E+04	.51	.157
1.4283E+04	.97	.122	1.2954E+04	.42	.199	1.1802E+04	.44	.267
1.4252E+04	.77	.340	1.2927E+04	.50	.221	1.1779E+04	.39	.397
1.4221E+04	.77	.372	1.2900E+04	1.17	.221	1.1755E+04	.39	.245
1.4191E+04	.73	.146	1.2874E+04	1.80	.127	1.1732E+04	.43	.202
1.4160E+04	.58	.144	1.2847E+04	2.19	.118	1.1709E+04	.39	.229
1.4129E+04	.70	.146	1.2821E+04	2.43	.173	1.1686E+04	.36	.288
1.4099E+04	1.09	.171	1.2794E+04	2.61	.099	1.1663E+04	.53	.278
1.4068E+04	1.62	.123	1.2768E+04	2.32	.099	1.1640E+04	.49	.257
1.4038E+04	2.19	.250	1.2742E+04	2.13	.115	1.1617E+04	.37	.386
1.4008E+04	2.02	.111	1.2715E+04	1.82	.109	1.1595E+04	.42	.447
1.3977E+04	1.36	.110	1.2690E+04	1.40	.125	1.1572E+04	.63	.219
1.3947E+04	1.32	.128	1.2664E+04	1.28	.123	1.1549E+04	.67	.334
1.3917E+04	1.33	.115	1.2638E+04	1.17	.121	1.1527E+04	.53	.486
1.3888E+04	1.09	.120	1.2612E+04	.97	.152	1.1504E+04	.54	.163
1.3858E+04	.89	.162	1.2585E+04	.74	.146	1.1482E+04	.50	.184
1.3828E+04	.81	.204	1.2550E+04	.83	.173	1.1459E+04	.44	.191
1.3799E+04	.65	.134	1.2535E+04	.73	.177	1.1437E+04	.44	.218
1.3769E+04	.51	.164	1.2509E+04	.65	.228	1.1415E+04	.47	.184

E (EV)	S(B)	DS/S	E (EV)	S(B)	DS/S	E (EV)	S(B)	DS/S
1.1393E+04	.41	.206	1.0438E+04	.22	.301	9.5994E+03	1.62	.152
1.1370E+04	.36	.200	1.0419E+04	.15	.428	9.5823E+03	1.34	.114
1.1348E+04	.34	.237	1.0400E+04	.16	.373	9.5652E+03	.94	.151
1.1326E+04	.47	.166	1.0380E+04	.22	.255	9.5482E+03	.69	.149
1.1305E+04	.67	.129	1.0361E+04	.32	.212	9.5312E+03	1.06	.148
1.1283E+04	.67	.133	1.0342E+04	.41	.189	9.5143E+03	.94	.138
1.1261E+04	.57	.208	1.0323E+04	.38	.227	9.4974E+03	.66	.132
1.1239E+04	.58	.221	1.0304E+04	.35	.229	9.4806E+03	.42	.163
1.1217E+04	.63	.199	1.0285E+04	.30	.193	9.4638E+03	.31	.200
1.1196E+04	.55	.286	1.0265E+04	.29	.199	9.4471E+03	.30	.179
1.1174E+04	.61	.182	1.0247E+04	.34	.352	9.4304E+03	.36	.209
1.1153E+04	.85	.157	1.0228E+04	.50	.179	9.4137E+03	.40	.192
1.1131E+04	1.09	.127	1.0209E+04	.61	.149	9.3971E+03	.44	.394
1.1110E+04	1.10	.115	1.0190E+04	.49	.148	9.3805E+03	.46	.251
1.1089E+04	.85	.120	1.0172E+04	.39	.509	9.3640E+03	.36	.138
1.1068E+04	.66	.145	1.0153E+04	.42	.425	9.3475E+03	.24	.194
1.1046E+04	.68	.138	1.0134E+04	.58	.126	9.3311E+03	.26	.221
1.1025E+04	.76	.157	1.0115E+04	.73	.121	9.3147E+03	.25	.226
1.1004E+04	.79	.161	1.0097E+04	.89	.119	9.2984E+03	.19	.237
1.0983E+04	.86	.131	1.0079E+04	1.03	.126	9.2821E+03	.25	.201
1.0962E+04	.96	.122	1.0061E+04	.84	.125	9.2658E+03	.22	.219
1.0941E+04	.91	.120	1.0042E+04	.72	.116	9.2496E+03	.13	.458
1.0921E+04	.79	.130	1.0024E+04	.78	.122	9.2334E+03	.14	.740
1.0900E+04	1.09	.145	1.0005E+04	.87	.124	9.2173E+03	.24	.654
1.0879E+04	1.88	.117	9.9875E+03	.98	.113	9.2012E+03	.42	.305
1.0859E+04	2.56	.095	9.9694E+03	1.04	.104	9.1851E+03	.60	.146
1.0838E+04	2.47	.095	9.9513E+03	.97	.106	9.1691E+03	.60	.160
1.0817E+04	1.97	.101	9.9332E+03	1.02	.148	9.1532E+03	.56	.335
1.0797E+04	1.44	.102	9.9152E+03	1.05	.128	9.1372E+03	.60	.171
1.0777E+04	.94	.114	9.8973E+03	.93	.123	9.1213E+03	.53	.150
1.0756E+04	.87	.150	9.8794E+03	.97	.099	9.1055E+03	.47	.173
1.0736E+04	.90	.122	9.8615E+03	1.06	.117	9.0897E+03	.56	.173
1.0716E+04	.82	.318	9.8437E+03	1.01	.146	9.0740E+03	.52	.317
1.0696E+04	.68	.236	9.8250E+03	1.07	.128	9.0582E+03	.49	.748
1.0675E+04	.59	.292	9.8082E+03	1.07	.111	9.0425E+03	.46	.429
1.0655E+04	.54	.248	9.7905E+03	.86	.123	9.0269E+03	.41	.177
1.0635E+04	.45	.176	9.7730E+03	.70	.150	9.0113E+03	.43	.142
1.0615E+04	.52	.177	9.7554E+03	.73	.132	8.9958E+03	.50	.175
1.0596E+04	.70	.211	9.7379E+03	.79	.180	8.9802E+03	.68	.227
1.0576E+04	.65	.191	9.7204E+03	.59	.128	8.9648E+03	.78	.135
1.0556E+04	.49	.389	9.7030E+03	1.20	.447	8.9493E+03	.81	.169
1.0536E+04	.45	.312	9.6856E+03	2.25	.134	8.9339E+03	.81	.126
1.0517E+04	.44	.234	9.6682E+03	2.46	.101	8.9186E+03	.73	.136
1.0497E+04	.33	.283	9.6510E+03	2.07	.106	8.9033E+03	.60	.146
1.0477E+04	.27	.302	9.6337E+03	1.88	.138	8.8880E+03	.70	.129
1.0458E+04	.29	.236	9.6165E+03	1.75	.105	8.8727E+03	1.17	.149

E (EV)	S(B)	DS/S	E (EV)	S(B)	DS/S	E (EV)	S(B)	DS/S
8.8575E+03	1.43	.158	8.1850E+03	.52	.135	7.5984E+03	.48	.241
8.8424E+03	1.09	.183	8.1715E+03	.55	.132	7.5863E+03	.49	.167
8.8273E+03	.70	.146	8.1581E+03	.45	.161	7.5743E+03	.59	.339
8.8122E+03	.61	.147	8.1447E+03	.40	.166	7.5623E+03	.54	.375
8.7972E+03	.53	.223	8.1314E+03	.46	.154	7.5504E+03	.44	.278
8.7821E+03	.43	.413	8.1180E+03	.45	.156	7.5384E+03	.37	.263
8.7672E+03	.48	.207	8.1047E+03	.29	.196	7.5265E+03	.29	.274
8.7522E+03	.63	.184	8.0915E+03	.21	.232	7.5146E+03	.28	.279
8.7374E+03	.71	.233	8.0782E+03	.25	.370	7.5028E+03	.29	.404
8.7225E+03	.87	.113	8.0650E+03	.27	.514	7.4910E+03	.34	.411
8.7077E+03	1.37	.099	8.0519E+03	.22	.363	7.4792E+03	.39	.251
8.6929E+03	1.65	.265	8.0387E+03	.27	.197	7.4674E+03	.37	.261
8.6782E+03	1.59	.239	8.0256E+03	.30	.348	7.4557E+03	.35	.294
8.6635E+03	1.93	.164	8.0125E+03	.28	.216	7.4440E+03	.32	.237
8.6488E+03	2.35	.173	7.9995E+03	.25	.240	7.4323E+03	.44	.254
8.6342E+03	2.36	.087	7.9855E+03	.20	.663	7.4206E+03	.68	.456
8.6196E+03	1.95	.098	7.9735E+03	.18	.486	7.4090E+03	.64	.354
8.6050E+03	1.44	.107	7.9605E+03	.24	.214	7.3974E+03	.42	.187
8.5905E+03	1.29	.102	7.9475E+03	.30	.217	7.3859E+03	.31	.258
8.5760E+03	1.32	.208	7.9347E+03	.24	.274	7.3743E+03	.32	.251
8.5616E+03	1.47	.101	7.9219E+03	.25	.226	7.3628E+03	.31	.216
8.5472E+03	2.26	.117	7.9091E+03	.35	.244	7.3513E+03	.32	.303
8.5328E+03	2.38	.152	7.8963E+03	.30	.228	7.3398E+03	.34	.253
8.5185E+03	1.61	.220	7.8835E+03	.16	.304	7.3284E+03	.42	.527
8.5042E+03	1.26	.097	7.8708E+03	.20	.240	7.3170E+03	.35	.483
8.4899E+03	1.22	.175	7.8581E+03	.36	.168	7.3056E+03	.23	.265
8.4615E+03	.96	.126	7.8454E+03	.30	.179	7.2943E+03	.22	.567
8.4474E+03	.98	.142	7.8328E+03	.16	.601	7.2829E+03	.22	.580
8.4332E+03	1.20	.109	7.8202E+03	.16	.340	7.2716E+03	.27	.498
8.4192E+03	1.53	.103	7.8075E+03	.21	.289	7.2604E+03	.48	.178
8.4051E+03	1.53	.188	7.7950E+03	.29	.221	7.2491E+03	.65	.188
8.3911E+03	1.09	.185	7.7825E+03	.40	.184	7.2379E+03	.46	.393
8.3771E+03	.81	.174	7.7700E+03	.42	.192	7.2267E+03	.40	.182
8.3632E+03	1.15	.180	7.7575E+03	.30	.251	7.2155E+03	.55	.151
8.3493E+03	1.60	.090	7.7452E+03	.21	.357	7.2044E+03	.53	.163
8.3354E+03	1.53	.094	7.7328E+03	.27	.256	7.1932E+03	.42	.324
8.3215E+03	1.38	.104	7.7204E+03	.30	.255	7.1821E+03	.41	.175
8.3077E+03	1.25	.204	7.7081E+03	.30	.213	7.1711E+03	.42	.198
8.2940E+03	.91	.270	7.6958E+03	.32	.199	7.1600E+03	.49	.156
8.2802E+03	.82	.236	7.6835E+03	.20	.348	7.1490E+03	.45	.165
8.2665E+03	1.00	.116	7.6712E+03	.11	.819	7.1380E+03	.40	.441
8.2529E+03	1.02	.139	7.6590E+03	.13	.789	7.1270E+03	.45	.429
8.2392E+03	.75	.204	7.6468E+03	.17	.345	7.1161E+03	.47	.218
8.2256E+03	.55	.133	7.6347E+03	.31	.235	7.1052E+03	.40	.195
8.2121E+03	.50	.379	7.6225E+03	.41	.176	7.0943E+03	.48	.190
8.1985E+03	.45	.373	7.6104E+03	.44	.209	7.0834E+03	.57	.181

E (EV)	S(B)	DS/S	E (EV)	S(B)	DS/S	E (EV)	S(B)	DS/S
7.0726E+03	.54	.196	6.5995E+03	.44	.229	6.1725E+03	1.03	.208
7.0618E+03	.55	.144	6.5898E+03	.48	.183	6.1637E+03	1.33	.145
7.0510E+03	.70	.144	6.5801E+03	.54	.192	6.1549E+03	1.46	.104
7.0402E+03	.79	.200	6.5704E+03	.46	.205	6.1461E+03	1.64	.107
7.0295E+03	.76	.122	6.5607E+03	.56	.224	6.1373E+03	1.76	.099
7.0187E+03	.78	.128	6.5510E+03	.78	.191	6.1286E+03	1.62	.103
7.0081E+03	.66	.186	6.5414E+03	.84	.137	6.1199E+03	1.68	.089
6.9974E+03	.67	.165	6.5318E+03	.87	.128	6.1111E+03	1.87	.117
6.9867E+03	.71	.148	6.5222E+03	.92	.119	6.1025E+03	1.85	.095
6.9761E+03	1.15	.131	6.5126E+03	.90	.125	6.0938E+03	1.63	.100
6.9655E+03	1.78	.113	6.5030E+03	.85	.126	6.0851E+03	1.67	.167
6.9550E+03	1.63	.126	6.4935E+03	.89	.119	6.0765E+03	2.50	.208
6.9444E+03	1.27	.240	6.4840E+03	.96	.136	6.0679E+03	2.69	.140
6.9339E+03	1.18	.132	6.4745E+03	.81	.152	6.0593E+03	2.34	.099
6.9234E+03	1.41	.244	6.4650E+03	.80	.140	6.0507E+03	1.89	.099
6.9129E+03	1.25	.183	6.4555E+03	1.15	.127	6.0421E+03	1.67	.130
6.9025E+03	1.22	.204	6.4461E+03	1.47	.115	6.0336E+03	1.96	.108
6.8920E+03	1.05	.300	6.4357E+03	1.55	.104	6.0251E+03	2.08	.101
6.8816E+03	.94	.143	6.4273E+03	1.50	.112	6.0166E+03	2.02	.115
6.8712E+03	1.65	.116	6.4180E+03	1.34	.234	6.0081E+03	1.59	.123
6.8609E+03	2.37	.097	6.4085E+03	1.17	.164	5.9996E+03	1.11	.124
6.8505E+03	1.78	.178	6.3993E+03	.96	.134	5.9912E+03	.81	.149
6.8402E+03	1.29	.198	6.3900E+03	.90	.158	5.9827E+03	.69	.187
6.8299E+03	1.02	.150	6.3807E+03	1.04	.243	5.9743E+03	.76	.148
6.8197E+03	.96	.120	6.3714E+03	1.24	.274	5.9659E+03	.93	.271
6.8094E+03	.98	.127	6.3621E+03	1.30	.277	5.9575E+03	.96	.310
6.7992E+03	.92	.131	6.3529E+03	1.33	.137	5.9492E+03	1.02	.147
6.7890E+03	.69	.149	6.3437E+03	1.17	.126	5.9408E+03	1.01	.143
6.7788E+03	.67	.254	6.3345E+03	.92	.144	5.9325E+03	1.51	.142
6.7687E+03	.77	.307	6.3254E+03	.83	.143	5.9242E+03	1.97	.209
6.7586E+03	.77	.159	6.3152E+03	.83	.161	5.9159E+03	2.22	.121
6.7485E+03	.69	.149	6.3071E+03	.77	.136	5.9076E+03	2.35	.124
6.7384E+03	.58	.167	6.2980E+03	.71	.187	5.8994E+03	1.65	.124
6.7283E+03	.63	.168	6.2889E+03	.78	.190	5.8911E+03	1.52	.196
6.7183E+03	.62	.192	6.2798E+03	.75	.174	5.8829E+03	1.51	.130
6.7083E+03	.66	.270	6.2708E+03	.81	.147	5.8747E+03	1.41	.129
6.6983E+03	.72	.448	6.2617E+03	.65	.152	5.8665E+03	1.36	.140
6.6883E+03	.67	.265	6.2527E+03	.46	.178	5.8583E+03	1.34	.155
6.6784E+03	.69	.128	6.2437E+03	.61	.176	5.8502E+03	1.50	.122
6.6684E+03	.73	.124	6.2347E+03	.72	.148	5.8420E+03	2.04	.111
6.6585E+03	.75	.186	6.2258E+03	.81	.134	5.8339E+03	1.94	.280
6.6486E+03	.71	.166	6.2159E+03	.89	.163	5.8258E+03	1.75	.213
6.6388E+03	.67	.173	6.2080E+03	.97	.203	5.8177E+03	1.71	.104
6.6290E+03	.65	.152	6.1990E+03	.78	.214	5.8097E+03	2.28	.096
6.6191E+03	.66	.166	6.1902E+03	.54	.178	5.8016E+03	2.92	.090
6.6093E+03	.54	.213	6.1813E+03	.75	.179	5.7936E+03	3.45	.086

E (EV)	S (I)	DS/S	E (EV)	S (I)	DS/S	E (EV)	S (I)	DS/S
5.7856E+03	3.30	.079	5.4339E+03	1.82	.287	5.1134E+03	.51	.201
5.7776E+03	2.84	.092	5.4255E+03	1.67	.250	5.1067E+03	.58	.247
5.7696E+03	2.40	.096	5.4194E+03	1.71	.108	5.1001E+03	.53	.188
5.7616E+03	2.01	.156	5.4121E+03	1.42	.111	5.0935E+03	.64	.176
5.7536E+03	2.04	.099	5.4049E+03	1.18	.135	5.0869E+03	.65	.250
5.7457E+03	2.69	.094	5.3975E+03	.87	.126	5.0803E+03	.47	.202
5.7378E+03	2.34	.094	5.3904E+03	.70	.159	5.0737E+03	.49	.205
5.7299E+03	1.94	.096	5.3832E+03	.51	.167	5.0671E+03	.46	.234
5.7220E+03	1.94	.101	5.3750E+03	.50	.177	5.0606E+03	.40	.264
5.7141E+03	1.94	.135	5.3689E+03	1.06	.134	5.0540E+03	.51	.190
5.7063E+03	1.50	.163	5.3617E+03	2.31	.192	5.0475E+03	.42	.239
5.6984E+03	1.20	.118	5.3545E+03	2.14	.104	5.0410E+03	.27	.384
5.6906E+03	1.36	.135	5.3475E+03	1.98	.101	5.0345E+03	.32	.272
5.6828E+03	1.56	.196	5.3404E+03	1.59	.152	5.0280E+03	.35	.292
5.6750E+03	1.24	.132	5.3332E+03	1.17	.118	5.0215E+03	.22	.361
5.6672E+03	1.22	.169	5.3252E+03	.87	.131	5.0150E+03	.29	.328
5.6595E+03	1.79	.277	5.3191E+03	.69	.168	5.0085E+03	.41	.262
5.6517E+03	2.43	.195	5.3120E+03	.89	.154	5.0021E+03	.55	.209
5.6440E+03	2.52	.092	5.3050E+03	1.03	.134	4.9957E+03	.49	.214
5.6363E+03	2.59	.106	5.2980E+03	1.37	.144	4.9892E+03	.46	.231
5.6286E+03	3.93	.127	5.2910E+03	1.28	.151	4.9828E+03	.53	.202
5.6209E+03	5.47	.079	5.2840E+03	1.20	.126	4.9764E+03	.43	.214
5.6132E+03	5.16	.081	5.2770E+03	1.24	.165	4.9700E+03	.46	.197
5.6056E+03	4.83	.078	5.2700E+03	1.15	.117	4.9637E+03	.43	.212
5.5980E+03	4.57	.081	5.2630E+03	1.01	.136	4.9573E+03	.38	.202
5.5904E+03	4.78	.085	5.2551E+03	.84	.132	4.9510E+03	.54	.521
5.5827E+03	3.83	.097	5.2492E+03	.91	.190	4.9446E+03	.46	.543
5.5752E+03	3.16	.086	5.2423E+03	.92	.146	4.9383E+03	.44	.252
5.5676E+03	3.20	.082	5.2354E+03	.81	.326	4.9320E+03	.60	.232
5.5600E+03	3.12	.115	5.2285E+03	.67	.288	4.9257E+03	.59	.252
5.5525E+03	2.89	.172	5.2215E+03	.67	.482	4.9194E+03	.57	.181
5.5450E+03	2.20	.160	5.2147E+03	.75	.247	4.9131E+03	.55	.204
5.5375E+03	1.74	.131	5.2079E+03	.85	.140	4.9069E+03	.59	.196
5.5300E+03	1.68	.111	5.2010E+03	.74	.215	4.9006E+03	.57	.132
5.5225E+03	1.55	.127	5.1942E+03	.62	.217	4.8944E+03	.49	.204
5.5150E+03	1.47	.122	5.1874E+03	.57	.202	4.8882E+03	.52	.210
5.5076E+03	1.33	.141	5.1805E+03	.54	.333	4.8819E+03	.54	.443
5.5001E+03	1.31	.246	5.1738E+03	.48	.401	4.8757E+03	.44	.412
5.4927E+03	1.60	.140	5.1671E+03	.46	.257	4.8695E+03	.37	.342
5.4853E+03	1.57	.110	5.1603E+03	.54	.251	4.8634E+03	.33	.370
5.4779E+03	1.40	.104	5.1535E+03	.58	.309	4.8572E+03	.30	.303
5.4706E+03	1.26	.103	5.1469E+03	.43	.425	4.8510E+03	.33	.355
5.4632E+03	1.01	.119	5.1401E+03	.44	.212	4.8449E+03	.40	.304
5.4559E+03	1.05	.179	5.1334E+03	.60	.201	4.8388E+03	.29	.309
5.4485E+03	1.52	.196	5.1257E+03	.64	.177	4.8326E+03	.41	.236
5.4412E+03	1.79	.294	5.1201E+03	.53	.186	4.8265E+03	.65	.219



E (EV)	S(B)	DS/S	E (EV)	S(B)	DS/S	E (EV)	S(B)	DS/S
4.8204E+03	.56	.249	4.5520E+03	.77	.475	4.3053E+03	.45	.245
4.8144E+03	.68	.165	4.5464E+03	.82	.516	4.3002E+03	.46	.241
4.8083E+03	.92	.163	4.5408E+03	.50	.297	4.2950E+03	.33	.362
4.8022E+03	.87	.436	4.5352E+03	.43	.263	4.2899E+03	.57	.277
4.7962E+03	.61	.233	4.5297E+03	.35	.252	4.2848E+03	.91	.175
4.7901E+03	.46	.275	4.5241E+03	.35	.379	4.2797E+03	1.35	.215
4.7841E+03	.46	.238	4.5185E+03	.37	.285	4.2746E+03	1.51	.167
4.7781E+03	.39	.248	4.5131E+03	.43	.344	4.2695E+03	2.00	.144
4.7721E+03	.33	.307	4.5075E+03	.48	.254	4.2645E+03	2.08	.359
4.7661E+03	.43	.404	4.5021E+03	.44	.351	4.2594E+03	1.30	.209
4.7601E+03	.51	.296	4.4965E+03	.38	.340	4.2544E+03	.69	.270
4.7541E+03	.39	.268	4.4911E+03	.39	.280	4.2493E+03	.67	.267
4.7481E+03	.28	.357	4.4855E+03	.59	.413	4.2442E+03	.69	.250
4.7422E+03	.20	.363	4.4801E+03	.52	.239	4.2392E+03	.85	.167
4.7363E+03	.26	.341	4.4747E+03	.53	.285	4.2342E+03	1.59	.340
4.7303E+03	.31	.304	4.4692E+03	.72	.225	4.2292E+03	1.62	.145
4.7244E+03	.27	.360	4.4638E+03	.76	.267	4.2242E+03	1.10	.197
4.7185E+03	.30	.374	4.4584E+03	1.05	.456	4.2192E+03	.76	.269
4.7126E+03	.32	.320	4.4530E+03	.77	.490	4.2142E+03	1.00	.194
4.7067E+03	.35	.302	4.4475E+03	.73	.327	4.2092E+03	.72	.251
4.7009E+03	.44	.247	4.4422E+03	.61	.346	4.2043E+03	1.42	.379
4.6950E+03	.60	.242	4.4368E+03	.45	.459	4.1993E+03	2.78	.152
4.6891E+03	.81	.311	4.4314E+03	.41	.606	4.1944E+03	2.09	.156
4.6833E+03	.75	.239	4.4260E+03	.35	.341	4.1894E+03	1.85	.523
4.6775E+03	.52	.305	4.4207E+03	.45	.346	4.1845E+03	1.62	.661
4.6717E+03	.46	.249	4.4154E+03	.49	.253	4.1797E+03	4.02	.110
4.6659E+03	.42	.278	4.4100E+03	.31	.431	4.1697E+03	3.19	.119
4.6601E+03	.32	.707	4.4047E+03	.24	.808	4.1649E+03	2.66	.154
4.6543E+03	.42	.280	4.3994E+03	.28	.518	4.1600E+03	3.22	.156
4.6485E+03	.43	.250	4.3941E+03	.23	.551	4.1551E+03	3.77	.181
4.6427E+03	.44	.242	4.3888E+03	.29	.309	4.1502E+03	2.73	.200
4.6370E+03	.35	.289	4.3835E+03	.32	.419	4.1454E+03	4.66	.266
4.6312E+03	.26	.332	4.3782E+03	.49	.253	4.1405E+03	4.67	.126
4.6255E+03	.20	.432	4.3729E+03	.65	.248	4.1357E+03	4.50	.105
4.6198E+03	.17	.452	4.3677E+03	.51	.277	4.1308E+03	3.76	.157
4.6141E+03	.18	.423	4.3624E+03	.33	.297	4.1260E+03	2.80	.223
4.6084E+03	.24	.351	4.3572E+03	.34	.318	4.1212E+03	2.73	.123
4.6027E+03	.39	.275	4.3520E+03	.39	.304	4.1164E+03	3.07	.120
4.5970E+03	.42	.365	4.3467E+03	.20	.482	4.1116E+03	2.61	.129
4.5913E+03	.46	.285	4.3415E+03	.16	.651	4.1068E+03	2.25	.127
4.5857E+03	.50	.291	4.3363E+03	.25	.393	4.1020E+03	1.84	.148
4.5800E+03	.41	.286	4.3311E+03	.36	.301	4.0972E+03	1.59	.155
4.5744E+03	.38	.354	4.3259E+03	.51	.223	4.0924E+03	1.13	.178
4.5688E+03	.45	.271	4.3209E+03	.37	.255	4.0877E+03	.73	.247
4.5632E+03	.53	.260	4.3155E+03	.37	.321	4.0829E+03	.70	.254
4.5575E+03	.60	.235	4.3105E+03	.49	.236	4.0782E+03	1.05	.414

E (EV)	S (R)	DS/S	E (EV)	S (R)	DS/S	E (EV)	S (R)	DS/S
4.0734E+03	1.29	.371	3.8642E+03	.88	.170	3.6707E+03	.28	.312
4.0687E+03	1.20	.181	3.8598E+03	.62	.250	3.6666E+03	.17	.426
4.0640E+03	1.28	.198	3.8554E+03	.61	.302	3.6626E+03	.17	.514
4.0593E+03	1.03	.249	3.8511E+03	.38	.305	3.6585E+03	.30	.349
4.0546E+03	.77	.224	3.8457E+03	.41	.306	3.6545E+03	.26	.316
4.0499E+03	.55	.287	3.8424E+03	.49	.256	3.6505E+03	.49	.303
4.0452E+03	.52	.293	3.8381E+03	.36	.349	3.6465E+03	.51	.263
4.0405E+03	.52	.269	3.8338E+03	.38	.414	3.6425E+03	.46	.346
4.0358E+03	.48	.514	3.8294E+03	.58	.210	3.6385E+03	.38	.254
4.0312E+03	.66	.256	3.8251E+03	.53	.636	3.6345E+03	.38	.290
4.0265E+03	.77	.300	3.8208E+03	.53	.583	3.6305E+03	.29	.300
4.0219E+03	.97	.317	3.8155E+03	.56	.241	3.6265E+03	.19	.467
4.0172E+03	1.15	.345	3.8122E+03	.47	.334	3.6226E+03	.24	.966
4.0126E+03	1.35	.365	3.8080E+03	.46	.242	3.6186E+03	.31	.744
4.0080E+03	1.19	.289	3.8037E+03	.49	.271	3.6146E+03	.31	.278
4.0034E+03	.91	.269	3.7994E+03	.55	.258	3.6107E+03	.32	.402
3.9988E+03	.83	.338	3.7952E+03	.71	.191	3.6067E+03	.26	.396
3.9942E+03	.89	.251	3.7909E+03	.58	.245	3.6028E+03	.47	.760
3.9896E+03	.94	.200	3.7867E+03	.55	.302	3.5989E+03	.38	.546
3.9850E+03	.72	.314	3.7824E+03	.47	.278	3.5949E+03	.36	.382
3.9804E+03	.66	.288	3.7782E+03	.62	.378	3.5910E+03	.32	.317
3.9759E+03	.55	.413	3.7740E+03	.60	.282	3.5871E+03	.86	.205
3.9713E+03	.47	.433	3.7698E+03	.55	.311	3.5832E+03	.84	.352
3.9667E+03	.65	.263	3.7655E+03	.74	.336	3.5793E+03	.56	.242
3.9622E+03	.70	.289	3.7614E+03	.73	.275	3.5754E+03	.31	.378
3.9577E+03	.64	.262	3.7572E+03	.43	.252	3.5715E+03	.47	.323
3.9531E+03	.60	.280	3.7530E+03	.44	.321	3.5676E+03	.91	.404
3.9486E+03	.56	.274	3.7488E+03	.52	.266	3.5638E+03	1.08	.222
3.9441E+03	.68	.252	3.7446E+03	.51	.251	3.5599E+03	.89	.171
3.9396E+03	1.03	.188	3.7404E+03	.36	.276	3.5560E+03	.70	.206
3.9351E+03	.92	.216	3.7362E+03	.36	.331	3.5522E+03	.53	.237
3.9306E+03	.58	.259	3.7321E+03	.42	.260	3.5483E+03	.62	.206
3.9261E+03	.67	.265	3.7280E+03	.39	.358	3.5445E+03	.80	.207
3.9216E+03	.62	.254	3.7239E+03	.41	.408	3.5406E+03	.50	.362
3.9172E+03	.52	.278	3.7197E+03	.47	.857	3.5368E+03	.35	.477
3.9127E+03	.49	.301	3.7156E+03	.27	.875	3.5330E+03	.42	.312
3.9083E+03	.51	.398	3.7115E+03	.30	.734	3.5292E+03	.39	.445
3.9038E+03	.53	.270	3.7074E+03	.41	.335	3.5254E+03	.42	.731
3.8994E+03	.82	.313	3.7032E+03	.24	.372	3.5216E+03	.64	.225
3.8950E+03	.87	.193	3.6991E+03	.36	.327	3.5177E+03	.56	.220
3.8906E+03	1.11	.312	3.6951E+03	.33	.351	3.5139E+03	.41	.344
3.8861E+03	1.05	.226	3.6910E+03	.25	.455	3.5102E+03	.36	.346
3.8817E+03	1.05	.155	3.6869E+03	.18	.650	3.5064E+03	.31	.302
3.8773E+03	1.36	.194	3.6828E+03	.28	.421	3.5026E+03	.32	.389
3.8729E+03	1.27	.170	3.6788E+03	.25	.429	3.4988E+03	.36	.303
3.8686E+03	1.13	.183	3.6747E+03	.23	.364	3.4951E+03	.27	.326

E (EV)	S(B)	DS/S	E (EV)	S(B)	DS/S	E (EV)	S(B)	DS/S
3.4913E+03	.35	.382	3.3248E+03	1.10	.193	3.1699E+03	.96	.184
3.4876E+03	.54	.363	3.3213E+03	2.18	.157	3.1667E+03	.81	.213
3.4838E+03	.58	.231	3.3178E+03	2.29	.113	3.1635E+03	.84	.175
3.4801E+03	.42	.328	3.3144E+03	1.83	.116	3.1602E+03	.92	.200
3.4764E+03	.48	.305	3.3109E+03	1.61	.122	3.1570E+03	1.40	.166
3.4726E+03	.70	.199	3.3074E+03	1.35	.169	3.1538E+03	1.73	.215
3.4689E+03	.70	.186	3.3040E+03	1.63	.219	3.1506E+03	1.44	.157
3.4652E+03	.66	.210	3.3005E+03	2.02	.295	3.1473E+03	1.34	.147
3.4615E+03	.61	.206	3.2971E+03	2.94	.119	3.1441E+03	1.33	.134
3.4578E+03	.56	.207	3.2935E+03	2.39	.104	3.1409E+03	1.06	.170
3.4541E+03	.93	.248	3.2902E+03	1.72	.133	3.1377E+03	.92	.192
3.4504E+03	1.61	.320	3.2858E+03	1.37	.157	3.1345E+03	.58	.175
3.4467E+03	1.55	.134	3.2833E+03	1.15	.189	3.1313E+03	.69	.208
3.4430E+03	1.36	.142	3.2799E+03	1.13	.271	3.1281E+03	.37	.261
3.4393E+03	1.15	.179	3.2755E+03	.96	.202	3.1250E+03	.26	.381
3.4357E+03	1.24	.152	3.2731E+03	1.02	.144	3.1218E+03	1.04	.230
3.4320E+03	1.16	.144	3.2597E+03	.92	.150	3.1186E+03	1.51	.144
3.4284E+03	.92	.155	3.2653E+03	.78	.165	3.1154E+03	1.25	.138
3.4247E+03	2.06	.170	3.2629E+03	.84	.339	3.1123E+03	1.13	.235
3.4211E+03	2.46	.120	3.2595E+03	.84	.433	3.1091E+03	.87	.196
3.4174E+03	1.98	.111	3.2551E+03	1.93	.161	3.1060E+03	1.06	.194
3.4138E+03	1.63	.128	3.2527E+03	3.12	.214	3.1028E+03	1.65	.225
3.4102E+03	1.31	.163	3.2494E+03	3.28	.339	3.0997E+03	1.56	.205
3.4065E+03	1.18	.162	3.2460E+03	2.51	.359	3.0965E+03	1.37	.133
3.4029E+03	1.11	.159	3.2425E+03	1.51	.227	3.0934E+03	1.52	.145
3.3993E+03	1.13	.200	3.2393E+03	1.05	.153	3.0903E+03	1.33	.128
3.3957E+03	.89	.170	3.2359E+03	.90	.154	3.0871E+03	1.35	.134
3.3921E+03	.81	.235	3.2325E+03	.76	.211	3.0840E+03	1.72	.161
3.3885E+03	.71	.228	3.2292E+03	.73	.229	3.0809E+03	1.61	.213
3.3849E+03	.68	.187	3.2259E+03	.71	.223	3.0778E+03	1.45	.134
3.3814E+03	.94	.217	3.2226E+03	.64	.196	3.0747E+03	1.89	.119
3.3778E+03	2.74	.243	3.2192E+03	.64	.239	3.0716E+03	1.48	.133
3.3742E+03	2.75	.154	3.2159E+03	.75	.204	3.0685E+03	.94	.163
3.3706E+03	2.64	.109	3.2125E+03	.79	.202	3.0654E+03	1.00	.142
3.3671E+03	2.59	.114	3.2093E+03	1.42	.297	3.0623E+03	.99	.134
3.3635E+03	2.02	.104	3.2050E+03	1.71	.345	3.0592E+03	.79	.281
3.3600E+03	1.29	.144	3.2027E+03	1.53	.343	3.0562E+03	.89	.203
3.3564E+03	1.53	.364	3.1994E+03	1.15	.173	3.0531E+03	.97	.140
3.3529E+03	1.92	.445	3.1951E+03	.92	.171	3.0500E+03	.89	.162
3.3494E+03	1.61	.327	3.1928E+03	1.02	.228	3.0470E+03	.88	.133
3.3459E+03	1.34	.142	3.1895E+03	1.06	.343	3.0439E+03	.75	.136
3.3423E+03	1.15	.160	3.1862E+03	1.38	.341	3.0409E+03	.62	.197
3.3388E+03	1.25	.130	3.1830E+03	2.05	.263	3.0378E+03	.87	.165
3.3353E+03	.92	.163	3.1797E+03	1.91	.127	3.0348E+03	1.20	.173
3.3318E+03	.74	.186	3.1764E+03	1.58	.187	3.0317E+03	1.92	.200
3.3283E+03	.90	.164	3.1732E+03	1.36	.225	3.0287E+03	2.90	.237

E (EV)	S (R)	DS/S	E (EV)	S (R)	DS/S	E (EV)	S (R)	DS/S
3.0256E+03	3.30	.138	2.8882E+03	4.98	.092	2.7599E+03	1.93	.179
3.0226E+03	2.79	.106	2.8854E+03	3.77	.104	2.7572E+03	1.70	.178
3.0196E+03	2.20	.115	2.8825E+03	2.68	.136	2.7546E+03	1.28	.161
3.0166E+03	1.90	.123	2.8797E+03	2.13	.138	2.7520E+03	1.10	.177
3.0136E+03	1.66	.145	2.8759E+03	2.38	.116	2.7493E+03	1.03	.168
3.0106E+03	1.67	.130	2.8741E+03	2.37	.112	2.7467E+03	1.04	.262
3.0076E+03	1.59	.128	2.8713E+03	2.07	.115	2.7441E+03	1.50	.534
3.0046E+03	1.21	.164	2.8685E+03	2.39	.265	2.7415E+03	3.84	.134
3.0016E+03	.96	.143	2.8657E+03	3.06	.334	2.7389E+03	5.59	.108
2.9986E+03	.95	.182	2.8629E+03	2.89	.284	2.7363E+03	4.57	.110
2.9956E+03	1.56	.140	2.8601E+03	2.23	.126	2.7337E+03	3.60	.145
2.9926E+03	3.09	.188	2.8574E+03	1.91	.141	2.7311E+03	2.51	.245
2.9896E+03	2.94	.122	2.8546E+03	1.96	.143	2.7285E+03	1.52	.172
2.9867E+03	2.25	.284	2.8518E+03	1.98	.126	2.7259E+03	1.66	.119
2.9837E+03	1.52	.223	2.8490E+03	2.78	.201	2.7233E+03	1.87	.114
2.9807E+03	1.27	.191	2.8463E+03	7.27	.155	2.7207E+03	1.80	.119
2.9778E+03	1.02	.158	2.8435E+03	7.85	.081	2.7181E+03	1.56	.131
2.9748E+03	.97	.149	2.8407E+03	5.64	.201	2.7156E+03	1.22	.143
2.9719E+03	.92	.215	2.8380E+03	4.61	.324	2.7130E+03	1.07	.163
2.9689E+03	.80	.276	2.8352E+03	6.04	.223	2.7104E+03	1.07	.178
2.9660E+03	.82	.199	2.8325E+03	7.63	.128	2.7078E+03	1.19	.417
2.9630E+03	1.11	.171	2.8298E+03	6.70	.096	2.7053E+03	1.29	.467
2.9601E+03	1.95	.163	2.8270E+03	5.67	.082	2.7027E+03	1.24	.274
2.9572E+03	1.94	.161	2.8243E+03	5.12	.105	2.7002E+03	1.15	.155
2.9542E+03	1.50	.176	2.8215E+03	4.56	.102	2.6976E+03	.95	.173
2.9513E+03	1.27	.174	2.8188E+03	4.13	.096	2.6951E+03	.80	.173
2.9484E+03	1.05	.218	2.8151E+03	3.88	.099	2.6925E+03	.69	.189
2.9455E+03	.74	.185	2.8134E+03	4.42	.091	2.6900E+03	.74	.174
2.9426E+03	.67	.182	2.8107E+03	4.93	.085	2.6874E+03	.87	.193
2.9397E+03	.78	.167	2.8080E+03	4.58	.113	2.6849E+03	.80	.322
2.9368E+03	.78	.166	2.8053E+03	3.93	.134	2.6824E+03	.57	.402
2.9339E+03	.79	.270	2.8025E+03	3.17	.107	2.6799E+03	.33	.544
2.9310E+03	1.00	.181	2.7999E+03	2.83	.108	2.6773E+03	.25	.355
2.9281E+03	1.01	.164	2.7972E+03	3.23	.101	2.6748E+03	.52	.357
2.9252E+03	.75	.172	2.7945E+03	3.99	.092	2.6723E+03	1.11	.232
2.9224E+03	.60	.232	2.7918E+03	4.11	.095	2.6698E+03	1.64	.136
2.9195E+03	.63	.311	2.7891E+03	3.53	.100	2.6673E+03	1.78	.232
2.9166E+03	.71	.221	2.7854E+03	2.95	.115	2.6648E+03	1.56	.366
2.9138E+03	.64	.211	2.7838E+03	2.64	.138	2.6623E+03	1.25	.247
2.9109E+03	.50	.255	2.7811E+03	3.23	.153	2.6598E+03	1.03	.148
2.9081E+03	.34	.329	2.7784E+03	3.57	.111	2.6573E+03	.89	.149
2.9052E+03	.41	.285	2.7758E+03	3.78	.106	2.6548E+03	.72	.198
2.9024E+03	.58	.241	2.7731E+03	3.34	.103	2.6523E+03	.58	.223
2.8995E+03	1.44	.437	2.7704E+03	2.49	.109	2.6498E+03	.66	.193
2.8938E+03	7.46	.114	2.7678E+03	2.02	.126	2.6473E+03	.76	.200
2.8910E+03	6.52	.089	2.7625E+03	2.11	.131	2.6449E+03	.94	.393

E (EV)	S(B)	DS/S	E (EV)	S (B)	DS/S	E (EV)	S(B)	DS/S
2.6424E+03	1.27	.365	2.5323E+03	1.09	.144	2.4289E+03	.69	.589
2.6399E+03	2.01	.146	2.5299E+03	1.27	.257	2.4267E+03	1.41	.291
2.6374E+03	2.21	.123	2.5276E+03	.87	.270	2.4245E+03	1.50	.202
2.6350E+03	1.61	.125	2.5253E+03	.68	.401	2.4224E+03	.76	.391
2.6325E+03	1.57	.129	2.5230E+03	.62	.357	2.4202E+03	.91	.223
2.6301E+03	2.49	.112	2.5207E+03	.51	.229	2.4180E+03	.84	.224
2.6276E+03	4.34	.094	2.5184E+03	.50	.221	2.4159E+03	.71	.355
2.6252E+03	4.61	.092	2.5151E+03	.44	.239	2.4137E+03	.73	.170
2.6227E+03	3.46	.095	2.5138E+03	.33	.306	2.4115E+03	.98	.180
2.6203E+03	2.59	.096	2.5115E+03	.42	.278	2.4094E+03	.93	.185
2.6178E+03	1.91	.114	2.5092E+03	.43	.655	2.4072E+03	.73	.191
2.6154E+03	1.60	.120	2.5069E+03	.48	.689	2.4051E+03	.82	.192
2.6130E+03	1.56	.132	2.5047E+03	.60	.677	2.4029E+03	.63	.199
2.6105E+03	1.85	.130	2.5024E+03	.70	.416	2.4008E+03	.60	.215
2.6081E+03	2.29	.113	2.5001E+03	.56	.198	2.3987E+03	.66	.217
2.6057E+03	2.25	.114	2.4978E+03	.54	.225	2.3965E+03	.73	.182
2.6033E+03	2.25	.103	2.4955E+03	.50	.275	2.3944E+03	.55	.298
2.6009E+03	2.55	.104	2.4933E+03	.41	.342	2.3923E+03	.54	.291
2.5984E+03	2.25	.119	2.4910E+03	.50	.270	2.3901E+03	.67	.192
2.5960E+03	1.37	.170	2.4888E+03	.68	.245	2.3880E+03	.61	.195
2.5936E+03	1.06	.176	2.4865E+03	.77	.213	2.3859E+03	.40	.291
2.5912E+03	.93	.173	2.4843E+03	.69	.241	2.3838E+03	.53	.228
2.5888E+03	.88	.186	2.4820E+03	.61	.195	2.3817E+03	.54	.194
2.5864E+03	.80	.167	2.4798E+03	.59	.203	2.3795E+03	.39	.285
2.5841E+03	.58	.197	2.4775E+03	.76	.197	2.3774E+03	.28	.200
2.5817E+03	.57	.209	2.4753E+03	.71	.232	2.3753E+03	.54	.196
2.5793E+03	.67	.191	2.4730E+03	.60	.188	2.3732E+03	.77	.139
2.5769E+03	.58	.496	2.4708E+03	.71	.309	2.3711E+03	.75	.173
2.5745E+03	.44	.609	2.4685E+03	.68	.213	2.3690E+03	.58	.129
2.5721E+03	.66	.326	2.4663E+03	.69	.215	2.3669E+03	.62	.212
2.5698E+03	1.28	.195	2.4641E+03	.81	.200	2.3648E+03	.51	.217
2.5674E+03	1.48	.161	2.4619E+03	.56	.203	2.3627E+03	.45	.299
2.5650E+03	1.17	.231	2.4597E+03	.37	.284	2.3606E+03	.48	.235
2.5627E+03	.76	.197	2.4574E+03	.35	.315	2.3586E+03	.54	.234
2.5603E+03	.65	.335	2.4552E+03	.49	.371	2.3565E+03	.56	.225
2.5580E+03	.83	.265	2.4530E+03	.49	.410	2.3544E+03	.27	.480
2.5556E+03	.98	.162	2.4508E+03	.43	.289	2.3523E+03	.18	.402
2.5532E+03	1.04	.154	2.4485E+03	.36	.502	2.3502E+03	.27	.340
2.5509E+03	1.48	.181	2.4464E+03	.37	.614	2.3482E+03	.30	.350
2.5486E+03	2.08	.250	2.4442E+03	.27	.379	2.3461E+03	.42	.249
2.5462E+03	2.03	.135	2.4420E+03	.24	.551	2.3440E+03	.39	.252
2.5439E+03	1.74	.127	2.4398E+03	.21	.517	2.3420E+03	.50	.291
2.5416E+03	1.05	.178	2.4375E+03	.19	.605	2.3399E+03	.27	.487
2.5392E+03	.55	.261	2.4354E+03	.10	.781	2.3379E+03	.26	.541
2.5369E+03	.67	.182	2.4332E+03	.18	.546	2.3358E+03	.24	.301
2.5346E+03	.83	.161	2.4311E+03	.40	.552	2.3337E+03	.44	.203

E (EV)	S(B)	DS/S	E (EV)	S(B)	DS/S	E (EV)	S(B)	DS/S
2.3317E+03	.66	.189	2.2402E+03	.64	.368	2.1541E+03	.96	.191
2.3296E+03	.91	.191	2.2383E+03	.71	.210	2.1522E+03	1.04	.183
2.3276E+03	1.38	.237	2.2364E+03	.74	.544	2.1504E+03	1.03	.150
2.3256E+03	1.41	.177	2.2345E+03	.55	.383	2.1486E+03	1.37	.151
2.3235E+03	1.15	.165	2.2325E+03	.58	.290	2.1468E+03	1.15	.252
2.3215E+03	.73	.194	2.2305E+03	.70	.182	2.1450E+03	.96	.173
2.3195E+03	.69	.202	2.2287E+03	.99	.180	2.1432E+03	.86	.173
2.3174E+03	.63	.216	2.2268E+03	.90	.155	2.1414E+03	.64	.261
2.3154E+03	.69	.245	2.2249E+03	.52	.230	2.1396E+03	.45	.289
2.3134E+03	.47	.636	2.2230E+03	.44	.482	2.1378E+03	.73	.304
2.3114E+03	.55	.251	2.2211E+03	.63	.274	2.1360E+03	.89	.192
2.3093E+03	.53	.654	2.2192E+03	.73	.192	2.1342E+03	.86	.198
2.3073E+03	.36	.488	2.2173E+03	1.15	.231	2.1324E+03	.59	.230
2.3053E+03	.32	.269	2.2154E+03	1.57	.362	2.1306E+03	.69	.356
2.3033E+03	.31	.304	2.2135E+03	1.15	.355	2.1288E+03	.61	.295
2.3013E+03	.68	.187	2.2115E+03	1.10	.229	2.1271E+03	.87	.456
2.2993E+03	.61	.176	2.2097E+03	1.07	.203	2.1253E+03	.77	.210
2.2973E+03	.69	.524	2.2078E+03	.76	.187	2.1235E+03	.57	.437
2.2953E+03	.52	.211	2.2059E+03	.47	.337	2.1217E+03	.54	.310
2.2933E+03	.50	.201	2.2040E+03	.51	.553	2.1199E+03	.42	.310
2.2913E+03	.59	.300	2.2022E+03	.60	.732	2.1181E+03	.50	.251
2.2893E+03	.64	.251	2.2003E+03	.61	.543	2.1164E+03	.49	.265
2.2873E+03	1.31	.218	2.1984E+03	.75	.490	2.1146E+03	.61	.248
2.2853E+03	2.99	.099	2.1965E+03	.82	.156	2.1128E+03	.66	.218
2.2833E+03	2.40	.130	2.1945E+03	.98	.175	2.1111E+03	.47	.277
2.2813E+03	2.38	.127	2.1928E+03	1.10	.178	2.1093E+03	.34	.378
2.2793E+03	2.36	.104	2.1909E+03	1.27	.130	2.1076E+03	.36	.764
2.2774E+03	1.72	.141	2.1891E+03	1.01	.197	2.1058E+03	.47	.374
2.2754E+03	2.18	.543	2.1872E+03	.59	.236	2.1040E+03	.36	.330
2.2734E+03	1.70	.334	2.1853E+03	.47	.233	2.1023E+03	.59	.250
2.2714E+03	1.37	.168	2.1835E+03	.66	.208	2.1005E+03	2.57	.213
2.2695E+03	1.52	.137	2.1815E+03	.79	.180	2.0988E+03	2.21	.233
2.2675E+03	1.60	.164	2.1798E+03	.65	.325	2.0970E+03	1.55	.462
2.2655E+03	1.98	.199	2.1779E+03	.50	.221	2.0953E+03	1.11	.187
2.2636E+03	1.86	.208	2.1751E+03	.77	.194	2.0935E+03	1.11	.193
2.2616E+03	1.34	.146	2.1742E+03	2.43	.205	2.0918E+03	1.10	.213
2.2597E+03	1.18	.190	2.1724E+03	3.44	.144	2.0901E+03	1.22	.183
2.2577E+03	1.41	.294	2.1705E+03	3.44	.109	2.0883E+03	1.24	.180
2.2558E+03	1.81	.137	2.1687E+03	2.63	.149	2.0866E+03	1.02	.225
2.2538E+03	1.84	.225	2.1669E+03	1.79	.276	2.0849E+03	1.29	.166
2.2519E+03	1.24	.223	2.1650E+03	1.30	.146	2.0831E+03	1.22	.236
2.2499E+03	1.13	.161	2.1632E+03	1.09	.205	2.0814E+03	.81	.334
2.2480E+03	1.24	.146	2.1614E+03	1.16	.208	2.0797E+03	.69	.446
2.2461E+03	1.09	.150	2.1595E+03	1.12	.177	2.0779E+03	.94	.233
2.2441E+03	.85	.455	2.1577E+03	1.40	.219	2.0762E+03	1.98	.272
2.2422E+03	.59	.625	2.1559E+03	1.34	.223	2.0745E+03	2.22	.144

E (EV)	S(B)	DS/S	E (EV)	S(B)	DS/S	E (EV)	S(B)	DS/S
2.0728E+03	1.67	.149	1.9950E+03	1.21	.192	1.9234E+03	.42	.329
2.0711E+03	1.29	.211	1.9944E+03	1.02	.216	1.9219E+03	.32	.405
2.0694E+03	1.29	.252	1.9929E+03	1.09	.188	1.9203E+03	.35	.323
2.0676E+03	.89	.222	1.9911E+03	1.14	.249	1.9188E+03	.50	.291
2.0659E+03	1.05	.239	1.9895E+03	.91	.320	1.9173E+03	.29	.502
2.0642E+03	.92	.215	1.9879E+03	.76	.205	1.9158E+03	.30	.393
2.0625E+03	1.15	.182	1.9863E+03	.99	.474	1.9142E+03	.27	.358
2.0608E+03	.88	.279	1.9847E+03	.84	.557	1.9127E+03	.46	.408
2.0591E+03	1.13	.172	1.9831E+03	.70	.294	1.9112E+03	.49	.398
2.0574E+03	1.97	.149	1.9815E+03	.81	.278	1.9097E+03	.23	.333
2.0557E+03	2.26	.244	1.9799E+03	.51	.257	1.9082E+03	.20	.577
2.0540E+03	1.25	.211	1.9783E+03	.33	.343	1.9067E+03	.22	.484
2.0523E+03	1.52	.192	1.9767E+03	.27	.384	1.9051E+03	.20	.500
2.0506E+03	1.39	.228	1.9751E+03	.31	.660	1.9036E+03	.14	.912
2.0489E+03	1.32	.186	1.9735E+03	1.37	.615	1.9021E+03	.10	.759
2.0473E+03	1.49	.169	1.9719E+03	1.82	.526	1.9006E+03	.17	.523
2.0456E+03	1.08	.265	1.9703E+03	1.78	.381	1.8991E+03	.11	.747
2.0439E+03	.82	.199	1.9687E+03	1.39	.188	1.8976E+03	.04	1.878
2.0422E+03	.84	.214	1.9671E+03	1.34	.342	1.8961E+03	.08	1.148
2.0405E+03	.95	.218	1.9655E+03	1.14	.159	1.8946E+03	.11	.701
2.0389E+03	.87	.192	1.9639E+03	.85	.187	1.8931E+03	.21	.500
2.0372E+03	.92	.374	1.9624E+03	1.03	.448	1.8916E+03	.86	.458
2.0355E+03	.92	.221	1.9608E+03	2.58	.135	1.8901E+03	1.63	.153
2.0338E+03	1.51	.290	1.9592E+03	2.92	.254	1.8886E+03	1.75	.157
2.0322E+03	1.99	.176	1.9576E+03	2.99	.326	1.8871E+03	2.19	.160
2.0305E+03	1.81	.175	1.9561E+03	2.97	.131	1.8856E+03	2.53	.165
2.0288E+03	2.37	.151	1.9545E+03	2.45	.155	1.8841E+03	1.77	.184
2.0272E+03	2.52	.145	1.9529E+03	1.53	.143	1.8826E+03	1.33	.191
2.0255E+03	2.10	.218	1.9513E+03	1.53	.276	1.8812E+03	1.36	.153
2.0239E+03	1.30	.168	1.9498E+03	2.07	.171	1.8797E+03	1.41	.144
2.0222E+03	1.11	.242	1.9482E+03	1.64	.148	1.8782E+03	1.17	.196
2.0206E+03	1.02	.193	1.9467E+03	1.48	.154	1.8767E+03	1.40	.172
2.0189E+03	.97	.244	1.9451E+03	2.06	.157	1.8752E+03	1.46	.171
2.0173E+03	1.03	.238	1.9435E+03	1.73	.143	1.8738E+03	1.38	.162
2.0156E+03	2.13	.330	1.9420E+03	1.80	.142	1.8723E+03	1.17	.202
2.0140E+03	3.40	.135	1.9404E+03	1.80	.258	1.8708E+03	1.12	.167
2.0123E+03	2.66	.240	1.9389E+03	1.59	.131	1.8693E+03	1.62	.144
2.0107E+03	2.00	.156	1.9373E+03	1.44	.178	1.8679E+03	3.69	.431
2.0091E+03	1.79	.183	1.9357E+03	1.27	.152	1.8664E+03	8.17	.207
2.0074E+03	1.70	.164	1.9342E+03	1.20	.155	1.8649E+03	7.60	.114
2.0058E+03	1.67	.267	1.9327E+03	1.02	.153	1.8635E+03	5.50	.095
2.0041E+03	1.61	.165	1.9311E+03	1.21	.192	1.8620E+03	5.02	.108
2.0025E+03	1.73	.171	1.9295E+03	1.33	.144	1.8606E+03	4.41	.104
2.0009E+03	1.71	.176	1.9280E+03	1.01	.198	1.8591E+03	3.44	.117
1.9992E+03	1.07	.219	1.9265E+03	.87	.186	1.8576E+03	3.48	.104
1.9976E+03	1.05	.276	1.9249E+03	.58	.203	1.8562E+03	3.54	.119

E (EV)	S(B)	DS/S	E (EV)	S(B)	DS/S	E (EV)	S(B)	DS/S
1.8547E+03	3.42	.109	1.7897E+03	.66	.435	1.7279E+03	.64	.199
1.8533E+03	3.22	.105	1.7883E+03	.61	.416	1.7266E+03	.88	.218
1.8518E+03	3.22	.140	1.7859E+03	.47	.257	1.7253E+03	.96	.363
1.8504E+03	2.55	.108	1.7855E+03	.52	.206	1.7240E+03	.78	.447
1.8489E+03	2.53	.171	1.7842E+03	.56	.201	1.7227E+03	.92	.202
1.8475E+03	2.64	.125	1.7828E+03	.46	.200	1.7214E+03	.90	.168
1.8460E+03	2.36	.112	1.7814E+03	.36	.282	1.7201E+03	.71	.178
1.8446E+03	2.04	.143	1.7800E+03	.41	.290	1.7188E+03	.74	.170
1.8432E+03	2.13	.179	1.7787E+03	.50	.234	1.7175E+03	.82	.218
1.8417E+03	2.66	.297	1.7773E+03	.42	.346	1.7162E+03	1.01	.155
1.8403E+03	3.36	.140	1.7759E+03	.27	.546	1.7149E+03	1.78	.241
1.8388E+03	3.71	.190	1.7745E+03	.22	.586	1.7137E+03	3.66	.120
1.8374E+03	2.86	.262	1.7732E+03	.50	.856	1.7124E+03	4.39	.196
1.8360E+03	2.06	.133	1.7719E+03	1.00	.184	1.7111E+03	3.20	.106
1.8346E+03	1.83	.141	1.7705E+03	1.01	.171	1.7098E+03	2.22	.126
1.8331E+03	1.51	.226	1.7692E+03	.84	.210	1.7085E+03	1.78	.127
1.8317E+03	1.38	.147	1.7678E+03	.89	.512	1.7072E+03	1.54	.138
1.8303E+03	1.43	.186	1.7665E+03	.82	.445	1.7059E+03	1.54	.172
1.8288E+03	1.25	.314	1.7651E+03	.57	.285	1.7047E+03	1.68	.161
1.8274E+03	1.12	.414	1.7638E+03	.41	.538	1.7034E+03	1.89	.125
1.8260E+03	1.00	.207	1.7624E+03	.48	.678	1.7021E+03	1.95	.119
1.8246E+03	.57	.234	1.7611E+03	.53	.256	1.7008E+03	1.80	.136
1.8232E+03	.58	.216	1.7597E+03	.68	.182	1.6996E+03	1.65	.152
1.8217E+03	.83	.287	1.7584E+03	.77	.334	1.6983E+03	1.66	.127
1.8203E+03	1.46	.142	1.7570E+03	.65	.357	1.6970E+03	1.69	.134
1.8189E+03	2.20	.120	1.7557E+03	.74	.263	1.6957E+03	1.47	.285
1.8175E+03	1.93	.114	1.7544E+03	.75	.210	1.6945E+03	1.62	.226
1.8161E+03	1.53	.117	1.7530E+03	.69	.193	1.6932E+03	1.73	.123
1.8147E+03	1.57	.150	1.7517E+03	.91	.193	1.6919E+03	1.37	.154
1.8133E+03	1.44	.130	1.7504E+03	1.07	.205	1.6907E+03	1.27	.144
1.8119E+03	1.14	.137	1.7490E+03	.99	.264	1.6894E+03	1.43	.138
1.8105E+03	1.18	.158	1.7477E+03	.79	.308	1.6881E+03	1.51	.149
1.8091E+03	1.42	.191	1.7464E+03	.63	.269	1.6869E+03	1.57	.163
1.8077E+03	1.33	.136	1.7451E+03	.60	.254	1.6856E+03	1.69	.214
1.8063E+03	1.04	.153	1.7437E+03	.56	.235	1.6844E+03	2.25	.197
1.8049E+03	.84	.160	1.7424E+03	.79	.197	1.6831E+03	3.05	.122
1.8035E+03	.70	.239	1.7411E+03	1.71	.175	1.6818E+03	2.46	.122
1.8021E+03	1.04	.263	1.7398E+03	2.07	.176	1.6806E+03	1.73	.295
1.8007E+03	1.12	.204	1.7384E+03	1.61	.154	1.6793E+03	1.72	.130
1.7993E+03	.82	.223	1.7371E+03	1.30	.137	1.6781E+03	1.56	.141
1.7979E+03	.74	.181	1.7358E+03	1.17	.158	1.6768E+03	1.23	.159
1.7966E+03	.79	.226	1.7345E+03	.96	.143	1.6756E+03	1.28	.154
1.7952E+03	.80	.174	1.7332E+03	1.23	.281	1.6743E+03	1.37	.143
1.7938E+03	.69	.212	1.7319E+03	1.42	.388	1.6731E+03	1.23	.158
1.7924E+03	.62	.330	1.7306E+03	1.37	.327	1.6718E+03	1.11	.162
1.7910E+03	.62	.185	1.7292E+03	1.08	.164	1.6706E+03	1.08	.184



E (EV)	S(B)	DS/S	E (EV)	S(B)	DS/S	E (EV)	S(B)	DS/S
1.6694E+03	1.11	.287	1.6114E+03	.94	.153	1.5586E+03	.41	.233
1.6681E+03	1.16	.179	1.6102E+03	.84	.165	1.5575E+03	.43	.219
1.6669E+03	.97	.191	1.6090E+03	.78	.178	1.5563E+03	.39	.255
1.6657E+03	.83	.195	1.6078E+03	.74	.204	1.5552E+03	.43	.568
1.6644E+03	.92	.169	1.6057E+03	.78	.179	1.5541E+03	.57	.805
1.6632E+03	.89	.159	1.6055E+03	.90	.152	1.5530E+03	.46	.441
1.6619E+03	.91	.168	1.6043E+03	.86	.166	1.5519E+03	.50	.241
1.6607E+03	.99	.180	1.6032E+03	.69	.195	1.5508E+03	.54	.245
1.6595E+03	.82	.239	1.6020E+03	.68	.199	1.5497E+03	.48	.257
1.6583E+03	.69	.190	1.6008E+03	.61	.274	1.5486E+03	.41	.279
1.6570E+03	.65	.556	1.5997E+03	.57	.203	1.5474E+03	.37	.248
1.6558E+03	.51	.675	1.5985E+03	.56	.213	1.5463E+03	.33	.296
1.6546E+03	.48	.424	1.5973E+03	.43	.238	1.5452E+03	.34	.433
1.6533E+03	.57	.383	1.5952E+03	.45	.325	1.5441E+03	.39	.281
1.6521E+03	.47	.445	1.5950E+03	.44	.355	1.5430E+03	.43	.259
1.6509E+03	.41	.516	1.5939E+03	.31	.398	1.5419E+03	.46	.248
1.6485E+03	.47	.300	1.5927E+03	.25	.333	1.5408E+03	.37	.267
1.6473E+03	.39	.552	1.5915E+03	.34	.310	1.5397E+03	.29	.266
1.6448E+03	.36	.250	1.5904E+03	.32	.312	1.5386E+03	.46	.207
1.6436E+03	.47	.217	1.5892E+03	.33	.275	1.5375E+03	.88	.421
1.6424E+03	.28	.325	1.5881E+03	.42	.267	1.5364E+03	1.68	.174
1.6412E+03	.20	.405	1.5869E+03	.36	.327	1.5353E+03	2.33	.177
1.6400E+03	.30	.298	1.5858E+03	.27	.304	1.5342E+03	2.11	.142
1.6388E+03	.30	.453	1.5847E+03	.28	.304	1.5332E+03	1.51	.167
1.6376E+03	.23	.593	1.5835E+03	.37	.251	1.5321E+03	1.06	.177
1.6364E+03	.25	.355	1.5824E+03	.34	.475	1.5310E+03	.83	.262
1.6352E+03	.24	.338	1.5812E+03	.22	.438	1.5299E+03	.84	.163
1.6340E+03	.24	.353	1.5801E+03	.27	.343	1.5288E+03	1.14	.209
1.6328E+03	.38	.289	1.5789E+03	.29	.356	1.5277E+03	1.29	.260
1.6316E+03	.78	.171	1.5778E+03	.33	.324	1.5266E+03	1.16	.169
1.6304E+03	1.15	.143	1.5757E+03	.46	.209	1.5255E+03	1.21	.162
1.6292E+03	1.25	.142	1.5755E+03	.51	.247	1.5245E+03	1.36	.142
1.6280E+03	1.17	.175	1.5744E+03	.40	.288	1.5234E+03	1.28	.233
1.6268E+03	.87	.192	1.5732E+03	.33	.322	1.5223E+03	1.53	.354
1.6256E+03	.69	.303	1.5721E+03	.27	.351	1.5212E+03	1.70	.172
1.6244E+03	.67	.274	1.5710E+03	.34	.432	1.5201E+03	1.55	.205
1.6232E+03	.71	.194	1.5698E+03	.43	.547	1.5191E+03	1.40	.138
1.6220E+03	.76	.177	1.5687E+03	.28	.462	1.5180E+03	1.46	.190
1.6208E+03	.76	.182	1.5675E+03	.31	.273	1.5169E+03	1.50	.154
1.6196E+03	.75	.208	1.5654E+03	.41	.246	1.5158E+03	1.65	.146
1.6184E+03	.99	.234	1.5653E+03	.38	.273	1.5148E+03	1.79	.155
1.6173E+03	1.48	.131	1.5642E+03	.36	.255	1.5137E+03	1.46	.149
1.6161E+03	1.62	.162	1.5631E+03	.33	.304	1.5126E+03	1.23	.154
1.6149E+03	1.30	.149	1.5619E+03	.42	.276	1.5116E+03	1.29	.185
1.6137E+03	1.19	.159	1.5608E+03	.43	.292	1.5105E+03	1.26	.158
1.6126E+03	1.15	.242	1.5597E+03	.37	.287	1.5094E+03	1.15	.179

E (EV)	S(B)	DS/S	E (EV)	S(B)	DS/S	E (EV)	S(B)	DS/S
1.5083E+03	1.01	.166	1.4605E+03	2.78	.144	1.4149E+03	.46	.529
1.5073E+03	.86	.208	1.4595E+03	2.65	.136	1.4139E+03	.70	.264
1.5062E+03	.87	.207	1.4585E+03	2.10	.147	1.4130E+03	.88	.164
1.5052E+03	.75	.190	1.4575E+03	1.58	.206	1.4120E+03	.67	.221
1.5041E+03	1.08	.345	1.4565E+03	1.25	.170	1.4110E+03	.57	.214
1.5030E+03	1.55	.343	1.4554E+03	1.21	.154	1.4101E+03	.45	.337
1.5020E+03	1.91	.356	1.4544E+03	1.27	.181	1.4091E+03	.34	.360
1.5009E+03	1.44	.205	1.4534E+03	1.46	.158	1.4082E+03	.37	.348
1.4999E+03	1.07	.197	1.4524E+03	1.69	.153	1.4072E+03	.59	.268
1.4988E+03	.98	.201	1.4514E+03	1.62	.157	1.4062E+03	.56	.219
1.4977E+03	.95	.225	1.4504E+03	1.45	.153	1.4053E+03	.43	.371
1.4967E+03	.90	.206	1.4494E+03	1.41	.155	1.4043E+03	.38	.468
1.4957E+03	.96	.231	1.4484E+03	1.61	.194	1.4034E+03	.57	.329
1.4946E+03	.90	.201	1.4474E+03	1.61	.157	1.4024E+03	.43	.232
1.4935E+03	1.03	.192	1.4464E+03	1.49	.153	1.4014E+03	.73	.194
1.4925E+03	1.07	.377	1.4454E+03	1.36	.149	1.4005E+03	1.74	.214
1.4914E+03	.92	.583	1.4444E+03	1.18	.210	1.3996E+03	2.58	.136
1.4904E+03	.96	.248	1.4434E+03	.82	.192	1.3986E+03	2.18	.156
1.4893E+03	2.53	.225	1.4424E+03	.80	.234	1.3976E+03	1.59	.179
1.4883E+03	4.15	.192	1.4414E+03	.94	.182	1.3967E+03	1.56	.171
1.4873E+03	4.70	.124	1.4404E+03	1.14	.232	1.3957E+03	1.29	.194
1.4862E+03	3.67	.216	1.4394E+03	.82	.239	1.3948E+03	1.41	.162
1.4852E+03	2.88	.139	1.4384E+03	.47	.326	1.3938E+03	1.41	.191
1.4841E+03	2.93	.126	1.4374E+03	.39	.289	1.3929E+03	1.61	.159
1.4831E+03	2.56	.223	1.4364E+03	.47	.538	1.3920E+03	1.69	.154
1.4821E+03	2.01	.138	1.4355E+03	.86	.205	1.3910E+03	1.17	.210
1.4810E+03	2.65	.152	1.4345E+03	.55	.268	1.3901E+03	1.13	.179
1.4800E+03	2.64	.319	1.4335E+03	.32	.315	1.3891E+03	1.26	.196
1.4789E+03	2.91	.305	1.4325E+03	.32	.349	1.3882E+03	1.25	.202
1.4779E+03	2.74	.136	1.4315E+03	.24	.422	1.3872E+03	1.15	.181
1.4769E+03	2.20	.157	1.4305E+03	.32	.373	1.3863E+03	1.03	.235
1.4758E+03	2.22	.152	1.4295E+03	.41	.324	1.3854E+03	1.02	.190
1.4748E+03	2.52	.288	1.4285E+03	.39	.645	1.3844E+03	1.41	.210
1.4738E+03	2.07	.339	1.4275E+03	.41	.333	1.3835E+03	1.48	.177
1.4728E+03	1.85	.165	1.4265E+03	.54	.305	1.3826E+03	1.03	.180
1.4717E+03	1.72	.211	1.4256E+03	.36	.401	1.3816E+03	1.11	.196
1.4707E+03	1.75	.183	1.4246E+03	.31	.336	1.3807E+03	1.24	.212
1.4697E+03	1.95	.161	1.4237E+03	.22	.659	1.3798E+03	1.13	.242
1.4687E+03	2.42	.148	1.4227E+03	.11	.876	1.3788E+03	.90	.207
1.4676E+03	3.70	.132	1.4217E+03	.06	1.083	1.3779E+03	.86	.209
1.4666E+03	4.66	.123	1.4207E+03	.19	.541	1.3770E+03	.92	.206
1.4656E+03	3.97	.129	1.4198E+03	.34	.366	1.3760E+03	.65	.278
1.4646E+03	2.92	.134	1.4188E+03	.37	.520	1.3751E+03	.63	.330
1.4636E+03	2.76	.137	1.4178E+03	.26	.454	1.3742E+03	.49	.452
1.4625E+03	2.52	.140	1.4168E+03	.26	.353	1.3733E+03	.24	.454
1.4615E+03	2.43	.178	1.4159E+03	.43	.292	1.3723E+03	.25	.502

E (EV)	S(B)	DS/S	E (EV)	S(B)	DS/S	E (EV)	S(B)	DS/S
1.3714E+03	.42	.253	1.3299E+03	1.10	.201	1.2902E+03	1.18	.226
1.3705E+03	.39	.343	1.3290E+03	1.16	.161	1.2894E+03	1.23	.205
1.3696E+03	.36	.389	1.3281E+03	.86	.177	1.2886E+03	1.92	.150
1.3686E+03	.31	.670	1.3272E+03	.79	.194	1.2877E+03	2.10	.237
1.3677E+03	.21	.452	1.3264E+03	1.02	.178	1.2869E+03	2.08	.315
1.3668E+03	.17	.658	1.3255E+03	.76	.235	1.2860E+03	1.50	.271
1.3659E+03	.20	.831	1.3246E+03	.76	.189	1.2852E+03	1.30	.152
1.3650E+03	.42	.471	1.3237E+03	.67	.212	1.2843E+03	1.22	.162
1.3641E+03	.59	.242	1.3229E+03	.68	.211	1.2835E+03	.94	.331
1.3631E+03	.44	.353	1.3220E+03	.75	.224	1.2827E+03	.89	.247
1.3622E+03	.89	.393	1.3211E+03	.56	.225	1.2818E+03	.85	.158
1.3613E+03	1.63	.225	1.3202E+03	.50	.293	1.2810E+03	.96	.178
1.3604E+03	1.22	.175	1.3194E+03	.44	.356	1.2802E+03	1.01	.235
1.3595E+03	1.05	.186	1.3185E+03	.40	.329	1.2793E+03	1.17	.168
1.3586E+03	.88	.280	1.3176E+03	.39	.295	1.2785E+03	1.06	.163
1.3577E+03	.89	.226	1.3168E+03	.34	.295	1.2777E+03	1.03	.172
1.3567E+03	1.26	.328	1.3159E+03	.29	.676	1.2768E+03	1.25	.290
1.3558E+03	1.91	.160	1.3150E+03	.41	.311	1.2760E+03	3.02	.307
1.3549E+03	1.74	.182	1.3142E+03	.42	.328	1.2752E+03	7.03	.131
1.3540E+03	1.45	.163	1.3133E+03	.40	.351	1.2744E+03	7.42	.115
1.3531E+03	1.16	.205	1.3124E+03	.49	.373	1.2735E+03	5.66	.130
1.3522E+03	1.44	.172	1.3116E+03	.40	.259	1.2727E+03	4.63	.133
1.3513E+03	1.34	.173	1.3107E+03	.30	.370	1.2719E+03	4.06	.125
1.3504E+03	1.13	.173	1.3098E+03	1.16	.171	1.2711E+03	3.38	.122
1.3495E+03	1.35	.172	1.3090E+03	1.52	.300	1.2702E+03	3.49	.160
1.3486E+03	1.28	.193	1.3081E+03	1.33	.375	1.2694E+03	4.12	.154
1.3477E+03	1.32	.360	1.3072E+03	1.02	.414	1.2686E+03	4.49	.117
1.3468E+03	1.97	.216	1.3064E+03	.90	.271	1.2678E+03	3.99	.115
1.3459E+03	2.23	.147	1.3055E+03	.62	.328	1.2669E+03	3.23	.130
1.3450E+03	2.16	.136	1.3047E+03	.62	.306	1.2661E+03	3.05	.144
1.3441E+03	1.57	.157	1.3038E+03	.88	.245	1.2653E+03	2.75	.197
1.3432E+03	1.22	.194	1.3030E+03	.95	.185	1.2645E+03	3.15	.249
1.3423E+03	1.35	.168	1.3021E+03	.80	.185	1.2637E+03	3.47	.114
1.3414E+03	1.45	.165	1.3013E+03	.86	.264	1.2629E+03	3.68	.120
1.3405E+03	1.73	.155	1.3004E+03	.61	.217	1.2621E+03	3.71	.105
1.3397E+03	1.53	.158	1.2995E+03	.54	.267	1.2612E+03	3.55	.119
1.3388E+03	1.63	.149	1.2987E+03	.53	.238	1.2604E+03	3.81	.111
1.3379E+03	1.69	.193	1.2978E+03	.52	.279	1.2596E+03	3.08	.157
1.3370E+03	1.40	.160	1.2970E+03	.55	.272	1.2588E+03	2.75	.125
1.3361E+03	.93	.188	1.2962E+03	.56	.301	1.2580E+03	2.95	.111
1.3352E+03	1.04	.172	1.2953E+03	.71	.425	1.2572E+03	3.17	.130
1.3343E+03	1.20	.151	1.2944E+03	1.29	.280	1.2564E+03	2.73	.113
1.3334E+03	1.19	.166	1.2936E+03	1.55	.173	1.2556E+03	2.42	.116
1.3325E+03	1.08	.177	1.2928E+03	1.29	.161	1.2547E+03	2.39	.112
1.3317E+03	.96	.240	1.2919E+03	1.29	.295	1.2539E+03	1.99	.119
1.3308E+03	1.02	.168	1.2911E+03	1.12	.427	1.2531E+03	1.07	.122

E (EV)	S (P)	DS/S	E (EV)	S (B)	DS/S	E (EV)	S (B)	DS/S
1.2523E+03	1.30	.205	1.2151E+03	.35	.395	1.1813E+03	1.20	.375
1.2515E+03	1.12	.141	1.2153E+03	.44	.247	1.1806E+03	1.04	.315
1.2507E+03	1.21	.179	1.2145E+03	1.26	.157	1.1799E+03	.75	.218
1.2499E+03	1.16	.244	1.2137E+03	2.28	.116	1.1791E+03	.59	.225
1.2491E+03	.98	.151	1.2130E+03	2.51	.136	1.1784E+03	.57	.276
1.2483E+03	1.03	.143	1.2122E+03	2.29	.118	1.1777E+03	.57	.230
1.2475E+03	.97	.143	1.2114E+03	1.93	.123	1.1769E+03	.59	.218
1.2467E+03	.64	.162	1.2107E+03	1.55	.139	1.1762E+03	.59	.220
1.2459E+03	.49	.203	1.2099E+03	1.45	.119	1.1755E+03	.50	.229
1.2451E+03	.47	.212	1.2091E+03	1.49	.199	1.1740E+03	.12	.665
1.2443E+03	.53	.241	1.2084E+03	2.39	.147	1.1733E+03	.10	.694
1.2435E+03	.45	.402	1.2075E+03	3.66	.102	1.1718E+03	.14	.522
1.2427E+03	.23	.338	1.2068E+03	3.88	.098	1.1711E+03	.08	.762
1.2419E+03	.19	.383	1.2051E+03	3.19	.100	1.1703E+03	.02	4.696
1.2411E+03	.15	.597	1.2053E+03	2.61	.137	1.1696E+03	.03	2.595
1.2403E+03	.15	.603	1.2045E+03	2.25	.112	1.1689E+03	.10	.691
1.2395E+03	.23	.457	1.2038E+03	2.01	.124	1.1682E+03	.12	.559
1.2387E+03	.34	.596	1.2031E+03	1.95	.129	1.1674E+03	.12	.617
1.2379E+03	.67	.191	1.2023E+03	2.14	.132	1.1667E+03	.13	.600
1.2372E+03	.88	.161	1.2015E+03	2.60	.137	1.1660E+03	.16	.500
1.2363E+03	.95	.172	1.2008E+03	2.73	.151	1.1653E+03	.10	.639
1.2356E+03	.72	.225	1.2000E+03	3.20	.135	1.1645E+03	.02	2.942
1.2348E+03	.34	.246	1.1993E+03	4.03	.114	1.1638E+03	.04	1.593
1.2340E+03	.27	.444	1.1985E+03	4.34	.100	1.1631E+03	.07	.961
1.2332E+03	.30	.401	1.1978E+03	3.79	.122	1.1624E+03	.14	.535
1.2324E+03	.31	.279	1.1970E+03	3.15	.110	1.1617E+03	.21	.622
1.2316E+03	.47	.427	1.1952E+03	2.89	.113	1.1609E+03	.18	1.015
1.2308E+03	.48	.512	1.1955E+03	2.86	.126	1.1602E+03	.15	1.150
1.2301E+03	.36	.322	1.1947E+03	2.89	.122	1.1595E+03	.17	.877
1.2293E+03	.24	.315	1.1940E+03	3.43	.122	1.1588E+03	.14	.516
1.2285E+03	.27	.367	1.1932E+03	3.40	.123	1.1581E+03	.14	.507
1.2277E+03	.25	.460	1.1925E+03	3.00	.220	1.1573E+03	.28	.306
1.2269E+03	.21	.611	1.1917E+03	2.69	.198	1.1566E+03	.90	.300
1.2261E+03	.29	.312	1.1910E+03	2.40	.172	1.1559E+03	2.34	.270
1.2254E+03	.41	.236	1.1902E+03	2.45	.131	1.1552E+03	3.85	.205
1.2246E+03	.55	.189	1.1895E+03	2.46	.193	1.1545E+03	4.05	.168
1.2238E+03	.67	.201	1.1888E+03	2.15	.162	1.1538E+03	3.10	.171
1.2230E+03	.74	.189	1.1880E+03	2.05	.140	1.1531E+03	2.42	.220
1.2222E+03	.65	.404	1.1873E+03	2.07	.136	1.1524E+03	2.06	.169
1.2215E+03	.50	.348	1.1865E+03	1.96	.149	1.1516E+03	1.74	.181
1.2207E+03	.49	.220	1.1858E+03	1.79	.146	1.1509E+03	1.49	.174
1.2199E+03	.46	.192	1.1850E+03	1.67	.148	1.1502E+03	2.27	.166
1.2191E+03	.37	.230	1.1843E+03	1.55	.155	1.1495E+03	2.46	.161
1.2184E+03	.33	.258	1.1835E+03	1.40	.269	1.1488E+03	2.39	.160
1.2176E+03	.34	.274	1.1828E+03	1.37	.455	1.1481E+03	2.07	.159
1.2168E+03	.34	.452	1.1821E+03	1.28	.333	1.1474E+03	1.86	.162

E (EV)	S(R)	DS/S	E (EV)	S(R)	DS/S	E (EV)	S(R)	DS/S
1.1467E+03	1.63	.172	1.1149E+03	.25	.434	1.0844E+03	2.37	.161
1.1460E+03	1.61	.171	1.1142E+03	.35	.310	1.0837E+03	2.82	.154
1.1453E+03	1.93	.162	1.1135E+03	.30	.284	1.0831E+03	3.16	.136
1.1446E+03	2.20	.164	1.1129E+03	.28	.324	1.0824E+03	2.96	.171
1.1439E+03	2.49	.152	1.1122E+03	.19	.351	1.0818E+03	2.41	.196
1.1432E+03	2.33	.152	1.1115E+03	.15	.438	1.0812E+03	2.04	.164
1.1425E+03	1.86	.171	1.1108E+03	.24	.292	1.0805E+03	2.05	.146
1.1418E+03	1.91	.151	1.1102E+03	.39	.279	1.0799E+03	2.60	.145
1.1411E+03	2.19	.273	1.1095E+03	.44	.234	1.0792E+03	3.06	.147
1.1404E+03	2.33	.201	1.1088E+03	.41	.289	1.0786E+03	3.12	.149
1.1397E+03	2.17	.160	1.1082E+03	.29	.332	1.0779E+03	3.00	.142
1.1390E+03	1.95	.168	1.1075E+03	.32	.338	1.0773E+03	2.96	.150
1.1383E+03	1.77	.158	1.1068E+03	.33	.277	1.0766E+03	3.06	.245
1.1376E+03	1.68	.156	1.1061E+03	.26	.543	1.0760E+03	2.95	.197
1.1369E+03	1.56	.175	1.1055E+03	.27	.274	1.0754E+03	2.85	.144
1.1362E+03	1.34	.170	1.1048E+03	.33	.257	1.0747E+03	3.09	.157
1.1355E+03	1.11	.161	1.1041E+03	.24	.330	1.0741E+03	2.85	.155
1.1348E+03	1.05	.201	1.1035E+03	.19	.455	1.0734E+03	2.84	.197
1.1341E+03	.93	.192	1.1028E+03	.24	.371	1.0728E+03	2.26	.158
1.1334E+03	.75	.207	1.1021E+03	.19	.342	1.0722E+03	1.75	.184
1.1327E+03	.82	.174	1.1015E+03	.11	.643	1.0715E+03	1.70	.194
1.1320E+03	.72	.193	1.1008E+03	.05	1.271	1.0709E+03	1.82	.165
1.1313E+03	.51	.287	1.1001E+03	.10	.820	1.0702E+03	1.66	.189
1.1306E+03	.35	.278	1.0995E+03	.15	.409	1.0696E+03	1.26	.211
1.1299E+03	.20	.433	1.0988E+03	.19	.445	1.0690E+03	1.08	.196
1.1292E+03	.23	.365	1.0982E+03	.15	.801	1.0683E+03	1.26	.183
1.1286E+03	.31	.300	1.0975E+03	.05	1.237	1.0677E+03	.94	.188
1.1279E+03	.29	.335	1.0968E+03	.07	1.074	1.0671E+03	.86	.207
1.1272E+03	.24	.371	1.0962E+03	.22	.357	1.0664E+03	.79	.265
1.1265E+03	.19	.341	1.0955E+03	.48	.256	1.0658E+03	.79	.241
1.1258E+03	.29	.282	1.0948E+03	.60	.284	1.0652E+03	.60	.225
1.1251E+03	.38	.251	1.0942E+03	.54	.212	1.0645E+03	.58	.266
1.1244E+03	.36	.267	1.0935E+03	.48	.269	1.0639E+03	.77	.292
1.1237E+03	.31	.338	1.0929E+03	.41	.243	1.0633E+03	.69	.377
1.1231E+03	.31	.253	1.0922E+03	.40	.336	1.0627E+03	.73	.618
1.1224E+03	.33	.261	1.0915E+03	.36	.282	1.0620E+03	.52	.328
1.1217E+03	.31	.445	1.0909E+03	.31	.380	1.0614E+03	.57	.407
1.1210E+03	.41	.267	1.0903E+03	.32	.458	1.0608E+03	.45	.279
1.1203E+03	.46	.297	1.0896E+03	.72	.328	1.0601E+03	.33	.403
1.1196E+03	.36	.493	1.0889E+03	2.16	.338	1.0595E+03	.22	.722
1.1190E+03	.39	.451	1.0883E+03	3.82	.285	1.0589E+03	.10	.552
1.1183E+03	.32	.334	1.0876E+03	4.27	.138	1.0582E+03	.13	.472
1.1176E+03	.20	.401	1.0870E+03	3.89	.134	1.0576E+03	.11	.960
1.1169E+03	.18	.941	1.0863E+03	3.09	.144	1.0570E+03	.16	.741
1.1162E+03	.29	.798	1.0857E+03	2.14	.227	1.0564E+03	.14	.607
1.1156E+03	.23	.833	1.0850E+03	1.75	.159	1.0557E+03	.12	.688

E (EV)	S(B)	DS/S	E (EV)	S(B)	DS/S	E (EV)	S(B)	DS/S
1.0551E+03	.16	.677	1.0361E+03	3.35	.145	1.0175E+03	1.33	.169
1.0545E+03	.20	.421	1.0355E+03	3.38	.138	1.0169E+03	1.53	.182
1.0539E+03	.42	.450	1.0349E+03	2.76	.160	1.0163E+03	1.47	.146
1.0533E+03	1.50	.447	1.0343E+03	2.73	.153	1.0158E+03	1.12	.176
1.0526E+03	2.52	.280	1.0337E+03	2.58	.145	1.0152E+03	1.36	.156
1.0520E+03	2.68	.165	1.0331E+03	2.04	.312	1.0146E+03	1.59	.199
1.0514E+03	2.29	.262	1.0324E+03	2.12	.159	1.0140E+03	1.44	.160
1.0508E+03	1.75	.200	1.0318E+03	2.32	.163	1.0134E+03	1.80	.138
1.0502E+03	1.28	.177	1.0312E+03	2.36	.169	1.0128E+03	1.95	.251
1.0495E+03	1.24	.177	1.0306E+03	2.56	.188	1.0122E+03	2.32	.291
1.0489E+03	1.59	.171	1.0300E+03	2.80	.181	1.0117E+03	1.69	.352
1.0483E+03	2.24	.192	1.0294E+03	2.20	.150	1.0111E+03	1.36	.165
1.0477E+03	2.37	.154	1.0288E+03	2.23	.155	1.0105E+03	1.17	.307
1.0471E+03	1.66	.201	1.0282E+03	2.10	.196	1.0099E+03	1.43	.168
1.0465E+03	1.34	.223	1.0275E+03	2.23	.192	1.0093E+03	1.27	.168
1.0458E+03	1.38	.179	1.0270E+03	2.17	.147	1.0087E+03	1.33	.160
1.0452E+03	1.40	.173	1.0264E+03	1.94	.183	1.0082E+03	1.44	.170
1.0446E+03	1.16	.178	1.0258E+03	1.94	.307	1.0076E+03	1.48	.196
1.0440E+03	1.52	.173	1.0252E+03	1.83	.241	1.0070E+03	.97	.181
1.0434E+03	1.68	.187	1.0247E+03	1.33	.202	1.0064E+03	1.36	.154
1.0428E+03	1.78	.166	1.0241E+03	1.27	.320	1.0058E+03	1.29	.180
1.0422E+03	2.17	.220	1.0235E+03	1.44	.169	1.0052E+03	1.25	.159
1.0416E+03	2.99	.201	1.0229E+03	1.29	.290	1.0047E+03	1.20	.164
1.0409E+03	4.26	.141	1.0223E+03	1.23	.290	1.0041E+03	1.36	.315
1.0403E+03	5.00	.141	1.0217E+03	1.55	.153	1.0035E+03	1.02	.180
1.0397E+03	4.64	.137	1.0211E+03	1.24	.199	1.0029E+03	.88	.214
1.0391E+03	4.33	.208	1.0205E+03	1.48	.155	1.0024E+03	1.09	.196
1.0385E+03	3.28	.149	1.0199E+03	1.07	.166	1.0018E+03	1.05	.172
1.0379E+03	2.64	.177	1.0193E+03	.84	.203	1.0012E+03	.92	.257
1.0373E+03	2.32	.148	1.0187E+03	.94	.231	1.0006E+03	.87	.247
1.0367E+03	2.93	.191	1.0181E+03	1.11	.164	1.0001E+03	.97	.217