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SM Higgs Branching Ratios and Partial-Decay Widths (CERN Report 3, 2013 update)

- Branching ratios reported in CERN Report 3 (CERN-2013-004) [↗](#).
- SM Higgs cross sections and BRs in Spread sheet is available in xlsx format or xls format. NEW
- Total Higgs decay width (in GeV) can be found in Higgs 2 gauge bosons table (last column).
- Check here for numbers based on CERN Report 1, and here for updated numbers used for 7 TeV analysis in 2011, and here for updated numbers used for 7&8 TeV analysis in 2012.

Higgs mass range and step (new fine scan points in CERN Report 3):

Higgs Mass range	step size	# of points	addendum
[80,110] GeV	1 GeV	31 points	
[110,120] GeV	0.5 GeV	20 points	
[120,130] GeV	0.1 GeV	100 points	
[130,150] GeV	0.5 GeV	40 points	
[150,300] GeV	2 GeV	75 points	+ 165, 175, 185, 195 GeV (4 points)
[300,350] GeV	5 GeV	10 points	
[350,400] GeV	10 GeV	5 points	
[400,1000] GeV	20 GeV	30 points	+ 450, 550, 650, 750, 850, 950 GeV (6 points).

- 321 points ($M_H=[80,1000]\text{GeV}$).

Branching Ratios

Higgs 2 fermions

M_H (GeV)	H bb			H			H $\mu\mu$			H cc			BR
	BR	error [%]		BR	error [%]		BR	error [%]		BR	error [%]		
80.0	8.24E-01	+1.44	-1.48	8.27E-02	+7.01	-6.85	2.87E-04	+7.37	-7.15	4.18E-02	+12.11	-12.06	3.53E
81.0	8.23E-01	+1.45	-1.49	8.27E-02	+7.01	-6.83	2.88E-04	+7.35	-7.16	4.17E-02	+12.11	-12.07	3.52E
82.0	8.21E-01	+1.47	-1.50	8.28E-02	+7.00	-6.84	2.88E-04	+7.34	-7.17	4.16E-02	+12.11	-12.09	3.52E
83.0	8.20E-01	+1.48	-1.52	8.29E-02	+6.99	-6.85	2.88E-04	+7.33	-7.16	4.16E-02	+12.10	-12.11	3.51E
84.0	8.19E-01	+1.50	-1.53	8.30E-02	+7.00	-6.84	2.88E-04	+7.34	-7.17	4.15E-02	+12.13	-12.09	3.51E
85.0	8.17E-01	+1.51	-1.55	8.30E-02	+6.99	-6.83	2.89E-04	+7.34	-7.14	4.14E-02	+12.14	-12.09	3.50E
86.0	8.16E-01	+1.52	-1.56	8.31E-02	+6.97	-6.84	2.89E-04	+7.33	-7.16	4.13E-02	+12.16	-12.09	3.49E
87.0	8.15E-01	+1.54	-1.58	8.31E-02	+6.98	-6.84	2.89E-04	+7.31	-7.17	4.13E-02	+12.13	-12.11	3.49E
88.0	8.13E-01	+1.55	-1.59	8.32E-02	+6.99	-6.82	2.89E-04	+7.33	-7.14	4.12E-02	+12.15	-12.12	3.48E
89.0	8.12E-01	+1.57	-1.61	8.32E-02	+6.96	-6.82	2.89E-04	+7.33	-7.11	4.11E-02	+12.14	-12.12	3.47E
90.0	8.10E-01	+1.58	-1.63	8.33E-02	+6.97	-6.81	2.89E-04	+7.31	-7.11	4.10E-02	+12.14	-12.13	3.47E
91.0	8.09E-01	+1.60	-1.64	8.33E-02	+6.97	-6.80	2.89E-04	+7.28	-7.16	4.09E-02	+12.16	-12.13	3.46E
92.0	8.07E-01	+1.61	-1.66	8.33E-02	+6.96	-6.79	2.89E-04	+7.29	-7.10	4.08E-02	+12.19	-12.13	3.45E
93.0	8.05E-01	+1.64	-1.68	8.33E-02	+6.96	-6.80	2.89E-04	+7.26	-7.11	4.07E-02	+12.17	-12.14	3.44E
94.0	8.03E-01	+1.65	-1.70	8.33E-02	+6.97	-6.77	2.89E-04	+7.30	-7.10	4.06E-02	+12.19	-12.15	3.44E
95.0	8.01E-01	+1.67	-1.72	8.32E-02	+6.94	-6.77	2.89E-04	+7.26	-7.11	4.05E-02	+12.20	-12.14	3.43E
96.0	7.99E-01	+1.69	-1.74	8.32E-02	+6.93	-6.77	2.89E-04	+7.27	-7.07	4.04E-02	+12.22	-12.14	3.42E
97.0	7.97E-01	+1.71	-1.76	8.31E-02	+6.93	-6.76	2.89E-04	+7.25	-7.09	4.03E-02	+12.17	-12.19	3.41E
98.0	7.95E-01	+1.73	-1.78	8.31E-02	+6.90	-6.75	2.88E-04	+7.22	-7.07	4.02E-02	+12.20	-12.17	3.40E
99.0	7.92E-01	+1.76	-1.80	8.29E-02	+6.90	-6.73	2.88E-04	+7.23	-7.08	4.00E-02	+12.21	-12.17	3.39E
100.0	7.89E-01	+1.78	-1.83	8.28E-02	+6.87	-6.73	2.88E-04	+7.22	-7.04	3.99E-02	+12.22	-12.17	3.37E
101.0	7.86E-01	+1.80	-1.86	8.27E-02	+6.86	-6.71	2.87E-04	+7.19	-7.06	3.97E-02	+12.24	-12.16	3.36E
102.0	7.83E-01	+1.83	-1.88	8.25E-02	+6.85	-6.69	2.86E-04	+7.15	-7.05	3.96E-02	+12.24	-12.17	3.35E
103.0	7.79E-01	+1.86	-1.91	8.22E-02	+6.84	-6.68	2.86E-04	+7.16	-7.02	3.94E-02	+12.24	-12.17	3.33E
104.0	7.75E-01	+1.89	-1.94	8.20E-02	+6.80	-6.67	2.85E-04	+7.10	-7.02	3.92E-02	+12.24	-12.21	3.31E
105.0	7.71E-01	+1.93	-1.98	8.17E-02	+6.79	-6.65	2.84E-04	+7.11	-6.98	3.90E-02	+12.24	-12.20	3.30E
106.0	7.66E-01	+1.96	-2.01	8.13E-02	+6.75	-6.63	2.82E-04	+7.08	-6.95	3.87E-02	+12.22	-12.23	3.28E
107.0	7.61E-01	+2.00	-2.05	8.10E-02	+6.73	-6.60	2.81E-04	+7.04	-6.91	3.85E-02	+12.24	-12.23	3.25E
108.0	7.56E-01	+2.04	-2.09	8.05E-02	+6.71	-6.57	2.80E-04	+7.01	-6.91	3.82E-02	+12.23	-12.22	3.23E
109.0	7.50E-01	+2.08	-2.13	8.00E-02	+6.67	-6.55	2.78E-04	+7.02	-6.84	3.79E-02	+12.25	-12.21	3.20E
110.0	7.44E-01	+2.13	-2.18	7.95E-02	+6.64	-6.51	2.76E-04	+6.95	-6.81	3.76E-02	+12.25	-12.22	3.18E
110.5	7.40E-01	+2.15	-2.21	7.92E-02	+6.62	-6.50	2.75E-04	+6.91	-6.82	3.74E-02	+12.25	-12.21	3.16E
111.0	7.37E-01	+2.18	-2.23	7.89E-02	+6.60	-6.48	2.74E-04	+6.91	-6.83	3.72E-02	+12.26	-12.21	3.15E
111.5	7.33E-01	+2.20	-2.26	7.85E-02	+6.59	-6.45	2.73E-04	+6.92	-6.74	3.70E-02	+12.26	-12.21	3.13E
112.0	7.29E-01	+2.22	-2.28	7.82E-02	+6.57	-6.43	2.71E-04	+6.91	-6.72	3.68E-02	+12.24	-12.21	3.11E
112.5	7.25E-01	+2.25	-2.31	7.78E-02	+6.55	-6.41	2.70E-04	+6.86	-6.73	3.66E-02	+12.24	-12.23	3.10E
113.0	7.21E-01	+2.28	-2.33	7.75E-02	+6.52	-6.39	2.69E-04	+6.80	-6.72	3.64E-02	+12.24	-12.24	3.08E
113.5	7.17E-01	+2.31	-2.37	7.71E-02	+6.50	-6.38	2.68E-04	+6.82	-6.66	3.62E-02	+12.25	-12.23	3.06E
114.0	7.12E-01	+2.34	-2.39	7.67E-02	+6.46	-6.36	2.66E-04	+6.77	-6.68	3.60E-02	+12.27	-12.21	3.04E
114.5	7.08E-01	+2.36	-2.43	7.63E-02	+6.45	-6.33	2.65E-04	+6.73	-6.65	3.57E-02	+12.27	-12.21	3.02E
115.0	7.03E-01	+2.40	-2.46	7.58E-02	+6.42	-6.31	2.63E-04	+6.73	-6.63	3.55E-02	+12.24	-12.21	3.00E
115.5	6.98E-01	+2.43	-2.50	7.53E-02	+6.41	-6.28	2.62E-04	+6.72	-6.56	3.53E-02	+12.24	-12.24	2.98E
116.0	6.93E-01	+2.47	-2.52	7.49E-02	+6.36	-6.27	2.60E-04	+6.67	-6.53	3.50E-02	+12.23	-12.23	2.96E
116.5	6.88E-01	+2.50	-2.56	7.44E-02	+6.33	-6.24	2.58E-04	+6.62	-6.54	3.47E-02	+12.22	-12.25	2.94E

117.0	6.83E-01	+2.53	-2.60	7.39E-02	+6.32	-6.20	2.56E-04	+6.60	-6.49	3.45E-02	+12.21	-12.23	2.92E-02
117.5	6.77E-01	+2.57	-2.64	7.33E-02	+6.27	-6.18	2.54E-04	+6.60	-6.46	3.42E-02	+12.23	-12.24	2.89E-02
118.0	6.72E-01	+2.61	-2.67	7.28E-02	+6.24	-6.15	2.53E-04	+6.57	-6.42	3.39E-02	+12.21	-12.25	2.87E-02
118.5	6.66E-01	+2.64	-2.71	7.22E-02	+6.22	-6.12	2.51E-04	+6.53	-6.38	3.36E-02	+12.25	-12.21	2.84E-02
119.0	6.60E-01	+2.68	-2.74	7.16E-02	+6.18	-6.09	2.49E-04	+6.44	-6.38	3.33E-02	+12.23	-12.21	2.82E-02
119.5	6.54E-01	+2.72	-2.79	7.10E-02	+6.15	-6.06	2.47E-04	+6.40	-6.36	3.30E-02	+12.23	-12.23	2.79E-02
120.0	6.48E-01	+2.76	-2.83	7.04E-02	+6.13	-6.01	2.44E-04	+6.40	-6.31	3.27E-02	+12.25	-12.20	2.76E-02
120.1	6.46E-01	+2.77	-2.83	7.03E-02	+6.11	-6.01	2.44E-04	+6.42	-6.27	3.26E-02	+12.21	-12.25	2.76E-02
120.2	6.45E-01	+2.78	-2.84	7.01E-02	+6.11	-6.01	2.43E-04	+6.35	-6.33	3.26E-02	+12.25	-12.22	2.75E-02
120.3	6.44E-01	+2.78	-2.85	7.00E-02	+6.07	-6.02	2.43E-04	+6.41	-6.27	3.25E-02	+12.21	-12.24	2.75E-02
120.4	6.42E-01	+2.79	-2.85	6.99E-02	+6.08	-6.00	2.43E-04	+6.36	-6.27	3.24E-02	+12.23	-12.20	2.74E-02
120.5	6.41E-01	+2.80	-2.86	6.98E-02	+6.07	-6.00	2.42E-04	+6.37	-6.24	3.24E-02	+12.20	-12.23	2.74E-02
120.6	6.40E-01	+2.81	-2.87	6.96E-02	+6.09	-5.98	2.42E-04	+6.33	-6.27	3.23E-02	+12.22	-12.23	2.73E-02
120.7	6.39E-01	+2.82	-2.88	6.95E-02	+6.08	-5.97	2.41E-04	+6.37	-6.24	3.22E-02	+12.23	-12.19	2.73E-02
120.8	6.37E-01	+2.82	-2.89	6.94E-02	+6.06	-5.97	2.41E-04	+6.31	-6.27	3.22E-02	+12.20	-12.23	2.72E-02
120.9	6.36E-01	+2.83	-2.90	6.92E-02	+6.05	-5.97	2.40E-04	+6.33	-6.24	3.21E-02	+12.22	-12.21	2.71E-02
121.0	6.35E-01	+2.84	-2.90	6.91E-02	+6.04	-5.97	2.40E-04	+6.34	-6.24	3.20E-02	+12.22	-12.21	2.71E-02
121.1	6.33E-01	+2.85	-2.92	6.90E-02	+6.04	-5.97	2.39E-04	+6.29	-6.26	3.20E-02	+12.24	-12.19	2.70E-02
121.2	6.32E-01	+2.86	-2.92	6.88E-02	+6.03	-5.95	2.39E-04	+6.28	-6.23	3.19E-02	+12.17	-12.26	2.70E-02
121.3	6.31E-01	+2.87	-2.94	6.87E-02	+6.05	-5.93	2.38E-04	+6.30	-6.20	3.18E-02	+12.20	-12.21	2.69E-02
121.4	6.29E-01	+2.88	-2.94	6.86E-02	+6.00	-5.95	2.38E-04	+6.29	-6.21	3.18E-02	+12.21	-12.24	2.69E-02
121.5	6.28E-01	+2.89	-2.95	6.84E-02	+6.01	-5.92	2.37E-04	+6.24	-6.20	3.17E-02	+12.23	-12.20	2.68E-02
121.6	6.27E-01	+2.90	-2.96	6.83E-02	+6.01	-5.90	2.37E-04	+6.24	-6.20	3.16E-02	+12.22	-12.21	2.68E-02
121.7	6.25E-01	+2.91	-2.97	6.81E-02	+6.00	-5.92	2.36E-04	+6.24	-6.22	3.16E-02	+12.22	-12.21	2.67E-02
121.8	6.24E-01	+2.91	-2.98	6.80E-02	+5.99	-5.88	2.36E-04	+6.26	-6.14	3.15E-02	+12.25	-12.19	2.66E-02
121.9	6.22E-01	+2.91	-2.99	6.79E-02	+5.99	-5.88	2.35E-04	+6.25	-6.15	3.14E-02	+12.23	-12.19	2.66E-02
122.0	6.21E-01	+2.93	-2.99	6.77E-02	+5.97	-5.89	2.35E-04	+6.26	-6.16	3.13E-02	+12.23	-12.21	2.65E-02
122.1	6.20E-01	+2.94	-3.01	6.76E-02	+5.96	-5.88	2.34E-04	+6.26	-6.12	3.13E-02	+12.21	-12.23	2.65E-02
122.2	6.18E-01	+2.94	-3.01	6.74E-02	+5.95	-5.87	2.34E-04	+6.26	-6.10	3.12E-02	+12.23	-12.19	2.64E-02
122.3	6.17E-01	+2.95	-3.03	6.73E-02	+5.96	-5.85	2.33E-04	+6.26	-6.10	3.11E-02	+12.21	-12.20	2.63E-02
122.4	6.15E-01	+2.97	-3.03	6.72E-02	+5.93	-5.87	2.33E-04	+6.21	-6.11	3.11E-02	+12.19	-12.24	2.63E-02
122.5	6.14E-01	+2.98	-3.03	6.70E-02	+5.93	-5.87	2.32E-04	+6.23	-6.08	3.10E-02	+12.24	-12.20	2.62E-02
122.6	6.13E-01	+2.99	-3.05	6.69E-02	+5.92	-5.84	2.32E-04	+6.21	-6.07	3.09E-02	+12.23	-12.18	2.62E-02
122.7	6.11E-01	+2.98	-3.06	6.67E-02	+5.93	-5.83	2.31E-04	+6.22	-6.08	3.08E-02	+12.23	-12.20	2.61E-02
122.8	6.10E-01	+3.01	-3.06	6.66E-02	+5.90	-5.84	2.31E-04	+6.17	-6.08	3.08E-02	+12.19	-12.23	2.60E-02
122.9	6.08E-01	+3.01	-3.08	6.64E-02	+5.91	-5.82	2.30E-04	+6.18	-6.09	3.07E-02	+12.22	-12.19	2.60E-02
123.0	6.07E-01	+3.03	-3.07	6.63E-02	+5.88	-5.81	2.30E-04	+6.15	-6.09	3.06E-02	+12.20	-12.22	2.59E-02
123.1	6.05E-01	+3.03	-3.09	6.61E-02	+5.90	-5.79	2.29E-04	+6.13	-6.09	3.06E-02	+12.21	-12.22	2.58E-02
123.2	6.04E-01	+3.04	-3.10	6.60E-02	+5.88	-5.80	2.29E-04	+6.11	-6.10	3.05E-02	+12.21	-12.20	2.58E-02
123.3	6.02E-01	+3.04	-3.12	6.58E-02	+5.88	-5.78	2.28E-04	+6.16	-6.04	3.04E-02	+12.21	-12.21	2.57E-02
123.4	6.01E-01	+3.05	-3.13	6.57E-02	+5.87	-5.78	2.28E-04	+6.12	-6.04	3.03E-02	+12.23	-12.18	2.57E-02
123.5	6.00E-01	+3.07	-3.13	6.55E-02	+5.85	-5.77	2.27E-04	+6.13	-6.05	3.03E-02	+12.19	-12.21	2.56E-02
123.6	5.98E-01	+3.08	-3.14	6.54E-02	+5.84	-5.77	2.27E-04	+6.07	-6.05	3.02E-02	+12.22	-12.18	2.55E-02
123.7	5.97E-01	+3.09	-3.14	6.52E-02	+5.84	-5.77	2.26E-04	+6.14	-5.98	3.01E-02	+12.21	-12.19	2.55E-02
123.8	5.95E-01	+3.08	-3.17	6.51E-02	+5.85	-5.73	2.26E-04	+6.08	-6.00	3.00E-02	+12.24	-12.17	2.54E-02
123.9	5.94E-01	+3.10	-3.17	6.49E-02	+5.84	-5.73	2.25E-04	+6.09	-6.01	3.00E-02	+12.20	-12.19	2.53E-02
124.0	5.92E-01	+3.11	-3.18	6.48E-02	+5.81	-5.74	2.25E-04	+6.09	-5.98	2.99E-02	+12.22	-12.18	2.53E-02
124.1	5.91E-01	+3.12	-3.18	6.46E-02	+5.79	-5.74	2.24E-04	+6.04	-6.00	2.98E-02	+12.16	-12.22	2.52E-02
124.2	5.89E-01	+3.13	-3.18	6.45E-02	+5.77	-5.73	2.24E-04	+6.09	-5.96	2.97E-02	+12.21	-12.21	2.51E-02
124.3	5.88E-01	+3.14	-3.21	6.43E-02	+5.78	-5.72	2.23E-04	+6.06	-5.96	2.96E-02	+12.23	-12.18	2.51E-02

124.4	5.86E-01	+3.15	-3.22	6.41E-02	+5.79	-5.70	2.23E-04	+6.00	-5.96	2.96E-02	+12.19	-12.19	2.50E
124.5	5.84E-01	+3.16	-3.23	6.40E-02	+5.78	-5.68	2.22E-04	+6.04	-5.94	2.95E-02	+12.21	-12.21	2.50E
124.6	5.83E-01	+3.17	-3.23	6.38E-02	+5.75	-5.71	2.22E-04	+6.00	-5.98	2.94E-02	+12.19	-12.19	2.49E
124.7	5.81E-01	+3.17	-3.24	6.37E-02	+5.74	-5.69	2.21E-04	+6.00	-5.91	2.93E-02	+12.23	-12.18	2.48E
124.8	5.80E-01	+3.20	-3.25	6.35E-02	+5.74	-5.68	2.20E-04	+5.98	-5.98	2.93E-02	+12.23	-12.17	2.48E
124.9	5.78E-01	+3.19	-3.26	6.33E-02	+5.73	-5.66	2.20E-04	+6.01	-5.91	2.92E-02	+12.18	-12.21	2.47E
125.0	5.77E-01	+3.21	-3.27	6.32E-02	+5.71	-5.67	2.19E-04	+6.01	-5.86	2.91E-02	+12.17	-12.21	2.46E
125.1	5.75E-01	+3.21	-3.28	6.30E-02	+5.71	-5.64	2.19E-04	+5.95	-5.91	2.90E-02	+12.20	-12.20	2.46E
125.2	5.74E-01	+3.23	-3.29	6.29E-02	+5.71	-5.63	2.18E-04	+5.95	-5.86	2.89E-02	+12.21	-12.18	2.45E
125.3	5.72E-01	+3.24	-3.30	6.27E-02	+5.70	-5.63	2.18E-04	+5.91	-5.93	2.89E-02	+12.20	-12.19	2.44E
125.4	5.71E-01	+3.25	-3.31	6.25E-02	+5.69	-5.62	2.17E-04	+5.96	-5.87	2.88E-02	+12.20	-12.17	2.44E
125.5	5.69E-01	+3.26	-3.32	6.24E-02	+5.70	-5.60	2.16E-04	+5.97	-5.83	2.87E-02	+12.20	-12.19	2.43E
125.6	5.67E-01	+3.27	-3.32	6.22E-02	+5.67	-5.61	2.16E-04	+5.89	-5.90	2.86E-02	+12.22	-12.20	2.42E
125.7	5.66E-01	+3.28	-3.34	6.21E-02	+5.64	-5.61	2.15E-04	+5.89	-5.83	2.85E-02	+12.18	-12.18	2.41E
125.8	5.64E-01	+3.29	-3.34	6.19E-02	+5.65	-5.59	2.15E-04	+5.90	-5.84	2.85E-02	+12.21	-12.20	2.41E
125.9	5.63E-01	+3.30	-3.35	6.17E-02	+5.65	-5.58	2.14E-04	+5.92	-5.82	2.84E-02	+12.18	-12.20	2.40E
126.0	5.61E-01	+3.31	-3.36	6.16E-02	+5.62	-5.59	2.14E-04	+5.86	-5.85	2.83E-02	+12.19	-12.20	2.39E
126.1	5.59E-01	+3.32	-3.38	6.14E-02	+5.63	-5.57	2.13E-04	+5.86	-5.85	2.82E-02	+12.17	-12.22	2.39E
126.2	5.58E-01	+3.33	-3.39	6.12E-02	+5.63	-5.55	2.12E-04	+5.87	-5.79	2.81E-02	+12.16	-12.22	2.38E
126.3	5.56E-01	+3.33	-3.40	6.10E-02	+5.59	-5.55	2.12E-04	+5.88	-5.78	2.81E-02	+12.21	-12.17	2.37E
126.4	5.55E-01	+3.34	-3.41	6.09E-02	+5.60	-5.53	2.11E-04	+5.89	-5.78	2.80E-02	+12.20	-12.16	2.37E
126.5	5.53E-01	+3.35	-3.42	6.07E-02	+5.59	-5.54	2.11E-04	+5.89	-5.72	2.79E-02	+12.18	-12.16	2.36E
126.6	5.51E-01	+3.37	-3.42	6.05E-02	+5.58	-5.53	2.10E-04	+5.85	-5.73	2.78E-02	+12.18	-12.19	2.35E
126.7	5.50E-01	+3.38	-3.44	6.04E-02	+5.57	-5.52	2.10E-04	+5.78	-5.79	2.77E-02	+12.17	-12.20	2.35E
126.8	5.48E-01	+3.38	-3.45	6.02E-02	+5.56	-5.51	2.09E-04	+5.77	-5.75	2.76E-02	+12.22	-12.17	2.34E
126.9	5.46E-01	+3.40	-3.45	6.00E-02	+5.53	-5.52	2.08E-04	+5.76	-5.77	2.76E-02	+12.17	-12.20	2.33E
127.0	5.45E-01	+3.40	-3.47	5.98E-02	+5.57	-5.48	2.08E-04	+5.77	-5.74	2.75E-02	+12.18	-12.19	2.32E
127.1	5.43E-01	+3.41	-3.47	5.97E-02	+5.54	-5.49	2.07E-04	+5.76	-5.75	2.74E-02	+12.19	-12.17	2.32E
127.2	5.41E-01	+3.42	-3.49	5.95E-02	+5.54	-5.48	2.07E-04	+5.74	-5.70	2.73E-02	+12.20	-12.18	2.31E
127.3	5.40E-01	+3.43	-3.50	5.93E-02	+5.50	-5.48	2.06E-04	+5.72	-5.72	2.72E-02	+12.15	-12.19	2.30E
127.4	5.38E-01	+3.44	-3.51	5.92E-02	+5.52	-5.45	2.05E-04	+5.74	-5.71	2.71E-02	+12.20	-12.14	2.30E
127.5	5.36E-01	+3.45	-3.53	5.90E-02	+5.50	-5.46	2.05E-04	+5.71	-5.72	2.71E-02	+12.16	-12.21	2.29E
127.6	5.35E-01	+3.46	-3.54	5.88E-02	+5.49	-5.45	2.04E-04	+5.66	-5.73	2.70E-02	+12.20	-12.18	2.28E
127.7	5.33E-01	+3.49	-3.53	5.86E-02	+5.48	-5.45	2.03E-04	+5.74	-5.65	2.69E-02	+12.16	-12.20	2.28E
127.8	5.31E-01	+3.47	-3.56	5.85E-02	+5.47	-5.42	2.03E-04	+5.75	-5.65	2.68E-02	+12.22	-12.17	2.27E
127.9	5.30E-01	+3.49	-3.57	5.83E-02	+5.45	-5.42	2.02E-04	+5.68	-5.61	2.67E-02	+12.20	-12.19	2.26E
128.0	5.28E-01	+3.51	-3.57	5.81E-02	+5.45	-5.40	2.02E-04	+5.68	-5.62	2.66E-02	+12.22	-12.15	2.25E
128.1	5.26E-01	+3.52	-3.58	5.79E-02	+5.44	-5.39	2.01E-04	+5.68	-5.62	2.66E-02	+12.14	-12.18	2.25E
128.2	5.25E-01	+3.54	-3.58	5.77E-02	+5.43	-5.38	2.00E-04	+5.63	-5.64	2.65E-02	+12.18	-12.16	2.24E
128.3	5.23E-01	+3.55	-3.59	5.76E-02	+5.41	-5.39	2.00E-04	+5.61	-5.64	2.64E-02	+12.13	-12.19	2.23E
128.4	5.21E-01	+3.55	-3.61	5.74E-02	+5.39	-5.38	1.99E-04	+5.69	-5.57	2.63E-02	+12.16	-12.15	2.22E
128.5	5.20E-01	+3.56	-3.62	5.72E-02	+5.39	-5.37	1.99E-04	+5.64	-5.57	2.62E-02	+12.12	-12.20	2.22E
128.6	5.18E-01	+3.58	-3.62	5.70E-02	+5.38	-5.35	1.98E-04	+5.62	-5.57	2.61E-02	+12.17	-12.17	2.21E
128.7	5.16E-01	+3.59	-3.63	5.69E-02	+5.39	-5.34	1.97E-04	+5.59	-5.57	2.60E-02	+12.19	-12.13	2.20E
128.8	5.14E-01	+3.59	-3.65	5.67E-02	+5.37	-5.34	1.97E-04	+5.64	-5.51	2.60E-02	+12.15	-12.18	2.20E
128.9	5.13E-01	+3.60	-3.67	5.65E-02	+5.36	-5.32	1.96E-04	+5.60	-5.50	2.59E-02	+12.18	-12.16	2.19E
129.0	5.11E-01	+3.61	-3.68	5.63E-02	+5.36	-5.31	1.95E-04	+5.61	-5.54	2.58E-02	+12.19	-12.14	2.18E
129.1	5.09E-01	+3.62	-3.69	5.61E-02	+5.35	-5.29	1.95E-04	+5.54	-5.54	2.57E-02	+12.16	-12.17	2.17E
129.2	5.08E-01	+3.63	-3.69	5.60E-02	+5.33	-5.29	1.94E-04	+5.59	-5.52	2.56E-02	+12.16	-12.16	2.17E
129.3	5.06E-01	+3.64	-3.71	5.58E-02	+5.33	-5.30	1.94E-04	+5.54	-5.53	2.55E-02	+12.19	-12.16	2.16E

129.4	5.04E-01	+3.65	-3.72	5.56E-02	+5.32	-5.26	1.93E-04	+5.55	-5.51	2.54E-02	+12.17	-12.19	2.15E
129.5	5.02E-01	+3.66	-3.73	5.54E-02	+5.31	-5.27	1.92E-04	+5.55	-5.44	2.53E-02	+12.16	-12.16	2.14E
129.6	5.01E-01	+3.68	-3.73	5.52E-02	+5.30	-5.27	1.92E-04	+5.53	-5.47	2.53E-02	+12.15	-12.15	2.14E
129.7	4.99E-01	+3.67	-3.76	5.50E-02	+5.30	-5.24	1.91E-04	+5.47	-5.48	2.52E-02	+12.19	-12.16	2.13E
129.8	4.97E-01	+3.70	-3.75	5.49E-02	+5.26	-5.26	1.90E-04	+5.50	-5.47	2.51E-02	+12.17	-12.14	2.12E
129.9	4.95E-01	+3.70	-3.77	5.47E-02	+5.29	-5.22	1.90E-04	+5.49	-5.45	2.50E-02	+12.16	-12.15	2.11E
130.0	4.94E-01	+3.71	-3.78	5.45E-02	+5.26	-5.22	1.89E-04	+5.53	-5.41	2.49E-02	+12.19	-12.14	2.11E
130.5	4.85E-01	+3.77	-3.84	5.36E-02	+5.21	-5.17	1.86E-04	+5.46	-5.35	2.45E-02	+12.14	-12.18	2.07E
131.0	4.76E-01	+3.82	-3.88	5.26E-02	+5.19	-5.11	1.83E-04	+5.33	-5.37	2.40E-02	+12.19	-12.13	2.03E
131.5	4.67E-01	+3.88	-3.93	5.17E-02	+5.12	-5.08	1.79E-04	+5.33	-5.31	2.36E-02	+12.18	-12.12	1.99E
132.0	4.58E-01	+3.93	-3.99	5.07E-02	+5.06	-5.04	1.76E-04	+5.27	-5.25	2.31E-02	+12.15	-12.11	1.96E
132.5	4.49E-01	+4.00	-4.03	4.98E-02	+5.01	-4.97	1.73E-04	+5.15	-5.22	2.27E-02	+12.15	-12.11	1.92E
133.0	4.40E-01	+4.03	-4.09	4.88E-02	+4.95	-4.96	1.69E-04	+5.20	-5.12	2.22E-02	+12.07	-12.15	1.88E
133.5	4.31E-01	+4.10	-4.14	4.78E-02	+4.90	-4.89	1.66E-04	+5.09	-5.09	2.18E-02	+12.15	-12.11	1.84E
134.0	4.22E-01	+4.16	-4.20	4.69E-02	+4.86	-4.85	1.63E-04	+5.07	-4.96	2.13E-02	+12.12	-12.14	1.80E
134.5	4.13E-01	+4.20	-4.26	4.59E-02	+4.80	-4.79	1.59E-04	+4.94	-5.01	2.08E-02	+12.14	-12.14	1.76E
135.0	4.04E-01	+4.25	-4.32	4.49E-02	+4.75	-4.75	1.56E-04	+4.96	-4.94	2.04E-02	+12.16	-12.09	1.73E
135.5	3.95E-01	+4.32	-4.35	4.39E-02	+4.71	-4.66	1.52E-04	+4.87	-4.86	1.99E-02	+12.12	-12.15	1.69E
136.0	3.86E-01	+4.36	-4.42	4.30E-02	+4.65	-4.64	1.49E-04	+4.89	-4.79	1.95E-02	+12.15	-12.12	1.65E
136.5	3.77E-01	+4.42	-4.47	4.20E-02	+4.59	-4.60	1.46E-04	+4.75	-4.81	1.90E-02	+12.11	-12.11	1.61E
137.0	3.68E-01	+4.49	-4.51	4.10E-02	+4.54	-4.55	1.42E-04	+4.67	-4.76	1.86E-02	+12.08	-12.11	1.57E
137.5	3.59E-01	+4.53	-4.59	4.00E-02	+4.50	-4.51	1.39E-04	+4.70	-4.66	1.81E-02	+12.17	-12.06	1.53E
138.0	3.50E-01	+4.56	-4.64	3.91E-02	+4.45	-4.44	1.36E-04	+4.59	-4.64	1.77E-02	+12.13	-12.04	1.49E
138.5	3.41E-01	+4.64	-4.68	3.81E-02	+4.44	-4.38	1.32E-04	+4.55	-4.53	1.72E-02	+12.08	-12.11	1.46E
139.0	3.32E-01	+4.65	-4.74	3.71E-02	+4.37	-4.37	1.29E-04	+4.45	-4.58	1.68E-02	+12.09	-12.08	1.42E
139.5	3.24E-01	+4.74	-4.77	3.62E-02	+4.30	-4.31	1.26E-04	+4.39	-4.48	1.63E-02	+12.08	-12.09	1.38E
140.0	3.15E-01	+4.80	-4.83	3.52E-02	+4.26	-4.26	1.22E-04	+4.37	-4.48	1.59E-02	+12.09	-12.09	1.34E
140.5	3.06E-01	+4.83	-4.91	3.43E-02	+4.22	-4.19	1.19E-04	+4.31	-4.36	1.54E-02	+12.14	-12.04	1.31E
141.0	2.97E-01	+4.88	-4.94	3.33E-02	+4.19	-4.14	1.16E-04	+4.32	-4.31	1.50E-02	+12.09	-12.10	1.27E
141.5	2.89E-01	+4.94	-5.01	3.24E-02	+4.13	-4.11	1.12E-04	+4.22	-4.20	1.46E-02	+12.10	-12.04	1.23E
142.0	2.80E-01	+4.99	-5.02	3.15E-02	+4.09	-4.07	1.09E-04	+4.14	-4.22	1.41E-02	+12.15	-12.05	1.20E
142.5	2.72E-01	+5.06	-5.06	3.05E-02	+4.05	-4.01	1.06E-04	+4.10	-4.16	1.37E-02	+12.08	-12.05	1.16E
143.0	2.64E-01	+5.05	-5.13	2.96E-02	+4.01	-3.97	1.03E-04	+4.18	-4.05	1.33E-02	+12.14	-12.04	1.12E
143.5	2.56E-01	+5.10	-5.17	2.87E-02	+3.95	-3.94	9.97E-05	+4.08	-4.07	1.29E-02	+12.09	-12.09	1.09E
144.0	2.47E-01	+5.16	-5.20	2.78E-02	+3.91	-3.93	9.65E-05	+4.01	-4.02	1.25E-02	+12.14	-12.02	1.06E
144.5	2.39E-01	+5.21	-5.26	2.69E-02	+3.83	-3.85	9.35E-05	+3.91	-3.98	1.21E-02	+12.05	-12.09	1.02E
145.0	2.31E-01	+5.30	-5.27	2.61E-02	+3.80	-3.81	9.04E-05	+3.92	-3.88	1.17E-02	+11.99	-12.12	9.87E
145.5	2.24E-01	+5.28	-5.39	2.52E-02	+3.74	-3.80	8.74E-05	+3.84	-3.88	1.13E-02	+12.01	-12.04	9.54E
146.0	2.16E-01	+5.36	-5.36	2.43E-02	+3.75	-3.72	8.44E-05	+3.82	-3.85	1.09E-02	+12.08	-12.03	9.21E
146.5	2.08E-01	+5.41	-5.42	2.35E-02	+3.74	-3.62	8.15E-05	+3.78	-3.74	1.05E-02	+12.15	-11.96	8.88E
147.0	2.00E-01	+5.50	-5.42	2.26E-02	+3.62	-3.65	7.85E-05	+3.74	-3.70	1.01E-02	+12.18	-11.97	8.55E
147.5	1.93E-01	+5.50	-5.55	2.18E-02	+3.55	-3.56	7.57E-05	+3.65	-3.66	9.73E-03	+12.11	-12.01	8.23E
148.0	1.86E-01	+5.57	-5.51	2.10E-02	+3.57	-3.51	7.28E-05	+3.66	-3.61	9.36E-03	+12.07	-12.01	7.92E
148.5	1.78E-01	+5.52	-5.61	2.02E-02	+3.51	-3.50	7.00E-05	+3.56	-3.62	8.99E-03	+12.06	-12.02	7.61E
149.0	1.71E-01	+5.62	-5.67	1.94E-02	+3.39	-3.55	6.72E-05	+3.51	-3.57	8.63E-03	+12.01	-12.05	7.30E
149.5	1.64E-01	+5.68	-5.66	1.86E-02	+3.45	-3.41	6.45E-05	+3.54	-3.47	8.27E-03	+12.10	-11.97	7.00E
150.0	1.57E-01	+5.69	-5.73	1.78E-02	+3.37	-3.43	6.18E-05	+3.45	-3.49	7.92E-03	+12.04	-12.01	6.70E
152.0	1.30E-01	+5.83	-5.90	1.48E-02	+3.25	-3.30	5.13E-05	+3.34	-3.27	6.56E-03	+12.05	-11.98	5.55E
154.0	1.05E-01	+5.96	-6.01	1.19E-02	+3.07	-3.11	4.13E-05	+3.11	-3.19	5.27E-03	+12.00	-12.01	4.46E
156.0	8.01E-02	+6.11	-6.15	9.15E-03	+2.96	-2.99	3.17E-05	+2.99	-3.04	4.04E-03	+11.96	-11.98	3.42E

158.0	5.66E-02	+6.28	-6.26	6.47E-03	+2.85	-2.83	2.24E-05	+2.86	-2.86	2.85E-03	+12.03	-11.94	2.41E
160.0	3.45E-02	+6.40	-6.37	3.96E-03	+2.71	-2.75	1.37E-05	+2.79	-2.71	1.74E-03	+12.00	-11.90	1.47E
162.0	1.97E-02	+6.51	-6.42	2.27E-03	+2.75	-2.61	7.87E-06	+2.72	-2.66	9.95E-04	+12.01	-11.86	8.42E
164.0	1.36E-02	+6.52	-6.43	1.57E-03	+2.60	-2.69	5.43E-06	+2.67	-2.64	6.85E-04	+11.99	-11.87	5.80E
165.0	1.19E-02	+6.54	-6.45	1.38E-03	+2.72	-2.60	4.78E-06	+2.65	-2.64	6.02E-04	+12.00	-11.85	5.09E
166.0	1.07E-02	+6.57	-6.46	1.24E-03	+2.72	-2.61	4.30E-06	+2.63	-2.66	5.41E-04	+11.97	-11.89	4.58E
168.0	9.06E-03	+6.50	-6.50	1.05E-03	+2.60	-2.62	3.63E-06	+2.62	-2.65	4.56E-04	+11.95	-11.89	3.86E
170.0	7.93E-03	+6.52	-6.50	9.20E-04	+2.62	-2.64	3.19E-06	+2.65	-2.63	4.00E-04	+11.96	-11.90	3.38E
172.0	7.10E-03	+6.52	-6.52	8.25E-04	+2.62	-2.61	2.86E-06	+2.62	-2.62	3.58E-04	+11.98	-11.90	3.03E
174.0	6.45E-03	+6.54	-6.51	7.51E-04	+2.62	-2.62	2.60E-06	+2.63	-2.65	3.25E-04	+11.98	-11.90	2.75E
175.0	6.17E-03	+6.56	-6.51	7.19E-04	+2.62	-2.63	2.49E-06	+2.64	-2.64	3.11E-04	+12.00	-11.91	2.63E
176.0	5.91E-03	+6.54	-6.53	6.89E-04	+2.64	-2.61	2.39E-06	+2.60	-2.65	2.98E-04	+11.97	-11.92	2.52E
178.0	5.44E-03	+6.55	-6.51	6.36E-04	+2.62	-2.63	2.21E-06	+2.61	-2.66	2.74E-04	+11.97	-11.91	2.32E
180.0	5.01E-03	+6.56	-6.52	5.87E-04	+2.63	-2.61	2.03E-06	+2.69	-2.60	2.52E-04	+11.99	-11.90	2.13E
182.0	4.55E-03	+6.58	-6.54	5.34E-04	+2.64	-2.60	1.85E-06	+2.58	-2.64	2.29E-04	+12.03	-11.90	1.94E
184.0	4.08E-03	+6.58	-6.53	4.80E-04	+2.64	-2.59	1.67E-06	+2.59	-2.63	2.06E-04	+11.99	-11.95	1.74E
185.0	3.88E-03	+6.59	-6.52	4.57E-04	+2.63	-2.60	1.59E-06	+2.58	-2.64	1.95E-04	+12.00	-11.89	1.65E
186.0	3.70E-03	+6.57	-6.53	4.37E-04	+2.61	-2.63	1.51E-06	+2.58	-2.66	1.86E-04	+12.04	-11.89	1.58E
188.0	3.41E-03	+6.56	-6.55	4.03E-04	+2.59	-2.62	1.40E-06	+2.59	-2.66	1.72E-04	+11.97	-11.91	1.45E
190.0	3.17E-03	+6.56	-6.55	3.75E-04	+2.65	-2.55	1.30E-06	+2.63	-2.53	1.60E-04	+12.02	-11.85	1.35E
192.0	2.97E-03	+6.59	-6.54	3.53E-04	+2.58	-2.63	1.22E-06	+2.54	-2.63	1.50E-04	+11.94	-11.95	1.27E
194.0	2.80E-03	+6.59	-6.56	3.33E-04	+2.64	-2.60	1.15E-06	+2.63	-2.55	1.41E-04	+11.96	-11.97	1.19E
195.0	2.73E-03	+6.58	-6.54	3.24E-04	+2.64	-2.63	1.13E-06	+2.64	-2.63	1.37E-04	+12.02	-11.93	1.16E
196.0	2.65E-03	+6.61	-6.52	3.16E-04	+2.56	-2.64	1.10E-06	+2.56	-2.63	1.34E-04	+12.08	-11.88	1.13E
198.0	2.52E-03	+6.60	-6.53	3.01E-04	+2.57	-2.64	1.04E-06	+2.57	-2.64	1.27E-04	+12.08	-11.92	1.07E
200.0	2.40E-03	+6.60	-6.56	2.87E-04	+2.55	-2.64	9.95E-07	+2.57	-2.64	1.21E-04	+11.97	-11.98	1.02E
202.0	2.29E-03	+6.64	-6.54	2.75E-04	+2.59	-2.61	9.52E-07	+2.58	-2.63	1.15E-04	+12.12	-11.89	9.77E
204.0	2.19E-03	+6.64	-6.53	2.63E-04	+2.66	-2.55	9.12E-07	+2.63	-2.58	1.10E-04	+12.05	-11.92	9.34E
206.0	2.10E-03	+6.65	-6.54	2.53E-04	+2.62	-2.62	8.76E-07	+2.59	-2.63	1.06E-04	+11.99	-11.98	8.95E
208.0	2.02E-03	+6.61	-6.56	2.43E-04	+2.67	-2.57	8.42E-07	+2.64	-2.58	1.02E-04	+11.97	-11.98	8.59E
210.0	1.94E-03	+6.60	-6.59	2.34E-04	+2.63	-2.57	8.11E-07	+2.64	-2.57	9.75E-05	+12.04	-11.93	8.26E
212.0	1.86E-03	+6.57	-6.60	2.25E-04	+2.58	-2.64	7.82E-07	+2.58	-2.63	9.38E-05	+12.02	-11.95	7.94E
214.0	1.80E-03	+6.65	-6.56	2.18E-04	+2.59	-2.65	7.54E-07	+2.59	-2.64	9.04E-05	+12.04	-11.95	7.65E
216.0	1.73E-03	+6.60	-6.58	2.10E-04	+2.59	-2.63	7.28E-07	+2.59	-2.64	8.71E-05	+12.04	-11.95	7.37E
218.0	1.67E-03	+6.67	-6.57	2.03E-04	+2.60	-2.59	7.04E-07	+2.58	-2.59	8.40E-05	+12.04	-11.96	7.12E
220.0	1.61E-03	+6.72	-6.54	1.96E-04	+2.65	-2.60	6.81E-07	+2.64	-2.58	8.11E-05	+12.06	-11.95	6.87E
222.0	1.56E-03	+6.60	-6.63	1.90E-04	+2.61	-2.55	6.59E-07	+2.59	-2.59	7.84E-05	+12.07	-11.94	6.64E
224.0	1.51E-03	+6.60	-6.59	1.84E-04	+2.61	-2.61	6.38E-07	+2.60	-2.59	7.58E-05	+12.06	-11.95	6.42E
226.0	1.46E-03	+6.69	-6.54	1.78E-04	+2.62	-2.61	6.18E-07	+2.60	-2.60	7.33E-05	+12.07	-11.95	6.21E
228.0	1.41E-03	+6.63	-6.61	1.73E-04	+2.64	-2.56	6.00E-07	+2.61	-2.58	7.10E-05	+12.07	-11.96	6.01E
230.0	1.37E-03	+6.71	-6.55	1.68E-04	+2.57	-2.62	5.82E-07	+2.59	-2.61	6.88E-05	+12.07	-11.97	5.82E
232.0	1.33E-03	+6.63	-6.57	1.63E-04	+2.63	-2.56	5.65E-07	+2.60	-2.59	6.67E-05	+12.08	-11.97	5.65E
234.0	1.29E-03	+6.59	-6.63	1.58E-04	+2.64	-2.57	5.49E-07	+2.60	-2.60	6.47E-05	+12.07	-11.97	5.48E
236.0	1.25E-03	+6.67	-6.60	1.54E-04	+2.64	-2.57	5.33E-07	+2.59	-2.61	6.27E-05	+12.08	-11.97	5.31E
238.0	1.21E-03	+6.73	-6.57	1.50E-04	+2.64	-2.61	5.19E-07	+2.61	-2.61	6.09E-05	+12.08	-11.98	5.16E
240.0	1.18E-03	+6.67	-6.55	1.45E-04	+2.65	-2.58	5.04E-07	+2.59	-2.61	5.91E-05	+12.09	-11.97	5.01E
242.0	1.14E-03	+6.62	-6.67	1.42E-04	+2.58	-2.58	4.91E-07	+2.62	-2.59	5.74E-05	+12.09	-11.98	4.87E
244.0	1.11E-03	+6.61	-6.68	1.38E-04	+2.59	-2.61	4.78E-07	+2.62	-2.62	5.58E-05	+12.09	-11.98	4.73E
246.0	1.08E-03	+6.65	-6.65	1.34E-04	+2.59	-2.58	4.65E-07	+2.60	-2.62	5.43E-05	+12.09	-11.98	4.60E
248.0	1.05E-03	+6.70	-6.56	1.31E-04	+2.59	-2.59	4.53E-07	+2.60	-2.60	5.28E-05	+12.09	-11.98	4.47E

250.0	1.02E-03	+6.68	-6.64	1.27E-04	+2.59	-2.69	4.42E-07	+2.61	-2.60	5.14E-05	+12.08	-12.00	4.35E-05
252.0	9.95E-04	+6.71	-6.61	1.24E-04	+2.60	-2.59	4.30E-07	+2.61	-2.58	5.00E-05	+12.07	-12.02	4.24E-05
254.0	9.68E-04	+6.66	-6.62	1.21E-04	+2.68	-2.59	4.20E-07	+2.61	-2.58	4.87E-05	+12.09	-12.00	4.13E-05
256.0	9.43E-04	+6.67	-6.65	1.18E-04	+2.58	-2.60	4.10E-07	+2.59	-2.61	4.74E-05	+12.11	-12.00	4.02E-05
258.0	9.19E-04	+6.68	-6.62	1.15E-04	+2.61	-2.60	4.00E-07	+2.59	-2.62	4.62E-05	+12.11	-11.99	3.92E-05
260.0	8.96E-04	+6.67	-6.62	1.12E-04	+2.61	-2.60	3.90E-07	+2.60	-2.59	4.51E-05	+12.12	-12.00	3.82E-05
262.0	8.74E-04	+6.67	-6.62	1.10E-04	+2.61	-2.60	3.81E-07	+2.60	-2.59	4.39E-05	+12.10	-12.01	3.72E-05
264.0	8.52E-04	+6.69	-6.63	1.07E-04	+2.61	-2.61	3.72E-07	+2.60	-2.59	4.28E-05	+12.13	-11.99	3.63E-05
266.0	8.31E-04	+6.68	-6.63	1.05E-04	+2.52	-2.61	3.63E-07	+2.63	-2.60	4.18E-05	+12.11	-12.02	3.54E-05
268.0	8.11E-04	+6.69	-6.63	1.02E-04	+2.62	-2.61	3.55E-07	+2.61	-2.60	4.08E-05	+12.13	-12.00	3.46E-05
270.0	7.92E-04	+6.69	-6.62	1.00E-04	+2.61	-2.59	3.47E-07	+2.61	-2.60	3.98E-05	+12.13	-12.00	3.37E-05
272.0	7.73E-04	+6.69	-6.64	9.79E-05	+2.60	-2.60	3.39E-07	+2.61	-2.60	3.89E-05	+12.08	-12.03	3.29E-05
274.0	7.56E-04	+6.70	-6.64	9.58E-05	+2.60	-2.59	3.32E-07	+2.58	-2.61	3.80E-05	+12.15	-12.01	3.22E-05
276.0	7.38E-04	+6.69	-6.64	9.37E-05	+2.61	-2.60	3.25E-07	+2.58	-2.61	3.71E-05	+12.12	-12.00	3.14E-05
278.0	7.21E-04	+6.70	-6.64	9.17E-05	+2.61	-2.59	3.18E-07	+2.61	-2.58	3.63E-05	+12.11	-12.03	3.07E-05
280.0	7.05E-04	+6.68	-6.65	8.97E-05	+2.61	-2.59	3.11E-07	+2.58	-2.61	3.55E-05	+12.14	-12.01	3.00E-05
282.0	6.90E-04	+6.71	-6.64	8.79E-05	+2.60	-2.59	3.05E-07	+2.59	-2.61	3.47E-05	+12.11	-12.03	2.94E-05
284.0	6.74E-04	+6.70	-6.64	8.60E-05	+2.60	-2.59	2.98E-07	+2.59	-2.61	3.39E-05	+12.13	-12.04	2.87E-05
286.0	6.60E-04	+6.70	-6.65	8.43E-05	+2.60	-2.58	2.92E-07	+2.59	-2.62	3.32E-05	+12.13	-12.02	2.81E-05
288.0	6.46E-04	+6.69	-6.66	8.26E-05	+2.59	-2.60	2.86E-07	+2.59	-2.62	3.25E-05	+12.12	-12.03	2.75E-05
290.0	6.32E-04	+6.69	-6.65	8.09E-05	+2.61	-2.59	2.80E-07	+2.63	-2.58	3.18E-05	+12.16	-12.03	2.69E-05
292.0	6.19E-04	+6.70	-6.67	7.93E-05	+2.59	-2.59	2.75E-07	+2.59	-2.60	3.11E-05	+12.16	-12.04	2.63E-05
294.0	6.06E-04	+6.70	-6.67	7.78E-05	+2.59	-2.60	2.70E-07	+2.59	-2.60	3.05E-05	+12.13	-12.02	2.58E-05
296.0	5.93E-04	+6.70	-6.65	7.62E-05	+2.60	-2.57	2.64E-07	+2.59	-2.58	2.98E-05	+12.17	-12.01	2.53E-05
298.0	5.81E-04	+6.70	-6.66	7.48E-05	+2.61	-2.58	2.59E-07	+2.61	-2.59	2.92E-05	+12.18	-12.02	2.47E-05
300.0	5.69E-04	+6.70	-6.66	7.34E-05	+2.58	-2.59	2.54E-07	+2.59	-2.60	2.86E-05	+12.12	-12.04	2.42E-05
305.0	5.42E-04	+6.73	-6.66	7.00E-05	+2.58	-2.59	2.43E-07	+2.57	-2.60	2.72E-05	+12.17	-12.00	2.31E-05
310.0	5.16E-04	+6.71	-6.67	6.68E-05	+2.59	-2.56	2.32E-07	+2.62	-2.56	2.59E-05	+12.19	-12.04	2.20E-05
315.0	4.92E-04	+6.71	-6.69	6.39E-05	+2.56	-2.55	2.22E-07	+2.56	-2.58	2.47E-05	+12.18	-12.01	2.09E-05
320.0	4.69E-04	+6.81	-6.60	6.12E-05	+2.70	-2.52	2.12E-07	+2.70	-2.53	2.36E-05	+12.18	-11.97	2.00E-05
325.0	4.49E-04	+6.72	-6.69	5.86E-05	+2.51	-2.55	2.03E-07	+2.54	-2.55	2.26E-05	+12.15	-12.07	1.91E-05
330.0	4.29E-04	+6.76	-6.67	5.63E-05	+2.55	-2.51	1.95E-07	+2.55	-2.51	2.16E-05	+12.15	-12.07	1.83E-05
335.0	4.12E-04	+6.75	-6.68	5.41E-05	+2.53	-2.54	1.87E-07	+2.52	-2.51	2.07E-05	+12.20	-12.04	1.75E-05
340.0	3.95E-04	+6.74	-6.71	5.20E-05	+2.69	-2.55	1.80E-07	+2.66	-2.54	1.99E-05	+12.13	-12.11	1.68E-05
345.0	3.80E-04	+6.76	-6.97	5.02E-05	+2.52	-4.05	1.74E-07	+2.52	-4.07	1.91E-05	+12.22	-12.21	1.62E-05
350.0	3.60E-04	+7.09	-7.40	4.76E-05	+4.09	-4.95	1.65E-07	+4.11	-4.94	1.81E-05	+12.39	-12.48	1.53E-05
360.0	3.18E-04	+7.65	-7.53	4.23E-05	+5.19	-5.07	1.47E-07	+5.19	-5.09	1.60E-05	+12.79	-12.61	1.35E-05
370.0	2.83E-04	+7.74	-7.60	3.78E-05	+5.14	-5.01	1.31E-07	+5.16	-5.03	1.42E-05	+12.94	-12.71	1.20E-05
380.0	2.54E-04	+7.75	-7.60	3.41E-05	+5.01	-4.83	1.18E-07	+5.02	-4.84	1.27E-05	+12.98	-12.82	1.08E-05
390.0	2.30E-04	+7.74	-7.60	3.10E-05	+4.86	-4.65	1.07E-07	+4.89	-4.66	1.15E-05	+13.02	-12.88	9.78E-06
400.0	2.09E-04	+7.72	-7.60	2.84E-05	+4.65	-4.44	9.83E-08	+4.64	-4.48	1.05E-05	+13.06	-12.88	8.92E-06
420.0	1.78E-04	+7.72	-7.62	2.43E-05	+4.28	-4.17	8.41E-08	+4.28	-4.20	8.93E-06	+13.09	-12.97	7.57E-06
440.0	1.54E-04	+7.71	-7.62	2.12E-05	+4.05	-3.92	7.35E-08	+4.05	-3.93	7.74E-06	+13.16	-12.99	6.56E-06
450.0	1.44E-04	+7.75	-7.62	1.99E-05	+3.90	-3.84	6.91E-08	+3.92	-3.82	7.25E-06	+13.15	-13.02	6.14E-06
460.0	1.36E-04	+7.72	-7.68	1.88E-05	+3.79	-3.70	6.52E-08	+3.83	-3.71	6.81E-06	+13.17	-13.02	5.77E-06
480.0	1.21E-04	+7.78	-7.57	1.69E-05	+3.62	-3.58	5.85E-08	+3.66	-3.55	6.07E-06	+13.18	-13.01	5.15E-06
500.0	1.09E-04	+8.25	-8.21	1.53E-05	+4.02	-4.05	5.30E-08	+4.09	-3.98	5.47E-06	+13.78	-13.59	4.63E-06
520.0	9.88E-05	+8.46	-8.36	1.40E-05	+4.12	-4.14	4.84E-08	+4.14	-4.09	4.96E-06	+13.90	-13.76	4.21E-06
540.0	9.02E-05	+8.64	-8.52	1.28E-05	+4.47	-4.33	4.45E-08	+4.41	-4.32	4.53E-06	+14.09	-13.92	3.84E-06
550.0	8.64E-05	+8.72	-8.62	1.23E-05	+4.56	-4.42	4.27E-08	+4.50	-4.45	4.34E-06	+14.16	-14.00	3.67E-06

560.0	8.28E-05	+8.82	-8.72	1.19E-05	+4.64	-4.60	4.11E-08	+4.65	-4.55	4.15E-06	+14.29	-14.09	3.52E-06
580.0	7.64E-05	+9.00	-8.93	1.10E-05	+4.87	-4.88	3.81E-08	+4.90	-4.87	3.83E-06	+14.45	-14.31	3.25E-06
600.0	7.06E-05	+9.30	-9.11	1.02E-05	+5.28	-5.01	3.54E-08	+5.21	-5.04	3.54E-06	+14.76	-14.48	3.00E-06
620.0	6.56E-05	+9.56	-9.42	9.53E-06	+5.43	-5.35	3.30E-08	+5.41	-5.36	3.29E-06	+15.03	-14.79	2.79E-06
640.0	6.10E-05	+9.88	-9.69	8.92E-06	+5.79	-5.65	3.09E-08	+5.78	-5.67	3.06E-06	+15.33	-15.08	2.59E-06
650.0	5.89E-05	+10.05	-9.84	8.63E-06	+5.99	-5.81	2.99E-08	+5.97	-5.81	2.95E-06	+15.50	-15.23	2.51E-06
660.0	5.69E-05	+10.21	-10.02	8.36E-06	+6.13	-5.99	2.90E-08	+6.16	-5.99	2.85E-06	+15.65	-15.41	2.42E-06
680.0	5.32E-05	+10.61	-10.36	7.84E-06	+6.56	-6.28	2.72E-08	+6.56	-6.29	2.67E-06	+16.09	-15.70	2.26E-06
700.0	4.98E-05	+11.07	-10.74	7.38E-06	+6.96	-6.68	2.56E-08	+6.98	-6.67	2.50E-06	+16.53	-16.11	2.12E-06
720.0	4.67E-05	+11.55	-11.12	6.95E-06	+7.48	-7.09	2.41E-08	+7.46	-7.09	2.34E-06	+16.96	-16.52	1.98E-06
740.0	4.38E-05	+12.08	-11.59	6.55E-06	+7.94	-7.55	2.27E-08	+7.96	-7.52	2.20E-06	+17.48	-17.04	1.86E-06
750.0	4.25E-05	+12.35	-11.83	6.36E-06	+8.24	-7.79	2.20E-08	+8.26	-7.78	2.13E-06	+17.84	-17.22	1.81E-06
760.0	4.12E-05	+12.62	-12.10	6.18E-06	+8.54	-8.02	2.14E-08	+8.53	-8.01	2.06E-06	+18.07	-17.50	1.75E-06
780.0	3.87E-05	+13.30	-12.60	5.84E-06	+9.15	-8.56	2.02E-08	+9.18	-8.52	1.94E-06	+18.79	-17.97	1.65E-06
800.0	3.65E-05	+13.99	-13.17	5.52E-06	+9.88	-9.09	1.91E-08	+9.87	-9.14	1.83E-06	+19.49	-18.58	1.55E-06
820.0	3.43E-05	+14.82	-13.73	5.22E-06	+10.65	-9.67	1.81E-08	+10.66	-9.68	1.72E-06	+20.31	-19.09	1.46E-06
840.0	3.24E-05	+15.63	-14.41	4.94E-06	+11.48	-10.33	1.71E-08	+11.45	-10.36	1.62E-06	+21.08	-19.81	1.38E-06
850.0	3.14E-05	+16.14	-14.71	4.80E-06	+11.96	-10.63	1.66E-08	+11.95	-10.68	1.58E-06	+21.59	-20.15	1.34E-06
860.0	3.05E-05	+16.61	-15.07	4.67E-06	+12.46	-10.97	1.62E-08	+12.45	-10.99	1.53E-06	+22.03	-20.55	1.30E-06
880.0	2.88E-05	+17.61	-15.81	4.42E-06	+13.47	-11.67	1.53E-08	+13.41	-11.71	1.44E-06	+23.12	-21.22	1.23E-06
900.0	2.72E-05	+18.76	-16.59	4.19E-06	+14.58	-12.46	1.45E-08	+14.62	-12.43	1.36E-06	+24.26	-22.01	1.16E-06
920.0	2.57E-05	+19.96	-17.40	3.97E-06	+15.79	-13.27	1.38E-08	+15.78	-13.26	1.29E-06	+25.40	-22.83	1.09E-06
940.0	2.43E-05	+21.39	-18.22	3.76E-06	+17.15	-14.06	1.30E-08	+17.16	-14.11	1.22E-06	+26.77	-23.68	1.03E-06
950.0	2.36E-05	+22.06	-18.69	3.66E-06	+17.86	-14.55	1.27E-08	+17.92	-14.48	1.18E-06	+27.60	-24.04	1.00E-06
960.0	2.29E-05	+22.89	-19.14	3.56E-06	+18.63	-14.96	1.23E-08	+18.69	-14.92	1.15E-06	+28.29	-24.52	9.75E-07
980.0	2.17E-05	+24.46	-20.10	3.38E-06	+20.23	-15.91	1.17E-08	+20.22	-15.87	1.08E-06	+29.91	-25.44	9.21E-07
1000.0	2.05E-05	+26.26	-21.06	3.20E-06	+22.04	-16.87	1.11E-08	+22.03	-16.86	1.02E-06	+31.79	-26.40	8.70E-07

Higgs 2 gauge bosons

M _H (GeV)	H gg		H		H Z		H WW		I				
	BR	error [%]	BR	error [%]	BR	error [%]	BR	error [%]					
80.0	4.94E-02	+12.02	-11.58	9.18E-04	+6.34	-6.15	0.00E+00	+0.00	-0.00	6.27E-04	+5.89	-5.73	1.64E-06
81.0	5.05E-02	+11.99	-11.55	9.46E-04	+6.32	-6.15	0.00E+00	+0.00	-0.00	6.96E-04	+5.86	-5.72	1.81E-06
82.0	5.17E-02	+11.97	-11.56	9.74E-04	+6.31	-6.16	0.00E+00	+0.00	-0.00	7.74E-04	+5.89	-5.73	1.99E-06
83.0	5.28E-02	+11.96	-11.53	1.00E-03	+6.38	-6.13	0.00E+00	+0.00	-0.00	8.61E-04	+5.85	-5.73	2.18E-06
84.0	5.40E-02	+11.95	-11.52	1.03E-03	+6.30	-6.11	0.00E+00	+0.00	-0.00	9.61E-04	+5.89	-5.74	2.40E-06
85.0	5.51E-02	+11.92	-11.51	1.06E-03	+6.34	-6.15	0.00E+00	+0.00	-0.00	1.08E-03	+5.85	-5.73	2.63E-06
86.0	5.63E-02	+11.92	-11.48	1.09E-03	+6.32	-6.07	0.00E+00	+0.00	-0.00	1.21E-03	+5.88	-5.69	2.88E-06
87.0	5.75E-02	+11.88	-11.48	1.12E-03	+6.37	-6.12	0.00E+00	+0.00	-0.00	1.37E-03	+5.85	-5.74	3.16E-06
88.0	5.87E-02	+11.88	-11.44	1.15E-03	+6.27	-6.23	0.00E+00	+0.00	-0.00	1.56E-03	+5.88	-5.67	3.47E-06
89.0	5.99E-02	+11.85	-11.43	1.19E-03	+6.29	-6.14	0.00E+00	+0.00	-0.00	1.79E-03	+5.81	-5.73	3.80E-06
90.0	6.12E-02	+11.83	-11.43	1.22E-03	+6.21	-6.17	0.00E+00	+0.00	-0.00	2.07E-03	+5.85	-5.69	4.17E-06
91.0	6.24E-02	+11.81	-11.41	1.25E-03	+6.25	-6.15	0.00E+00	+0.00	-0.00	2.41E-03	+5.81	-5.69	4.57E-06
92.0	6.36E-02	+11.79	-11.37	1.29E-03	+6.24	-6.17	5.09E-08	+10.29	-10.09	2.83E-03	+5.85	-5.64	5.02E-06
93.0	6.49E-02	+11.77	-11.36	1.32E-03	+6.26	-6.10	5.17E-07	+10.29	-10.10	3.33E-03	+5.85	-5.62	5.50E-06
94.0	6.61E-02	+11.75	-11.35	1.36E-03	+6.29	-6.07	1.85E-06	+10.26	-10.11	3.94E-03	+5.85	-5.65	6.05E-06
95.0	6.74E-02	+11.73	-11.32	1.39E-03	+6.25	-6.11	4.48E-06	+10.25	-10.11	4.68E-03	+5.80	-5.64	6.65E-06
96.0	6.87E-02	+11.70	-11.29	1.43E-03	+6.18	-6.12	8.78E-06	+10.27	-10.08	5.55E-03	+5.80	-5.63	7.33E-06
97.0	6.99E-02	+11.68	-11.28	1.46E-03	+6.25	-6.05	1.51E-05	+10.25	-10.10	6.60E-03	+5.80	-5.60	8.11E-06

98.0	7.12E-02	+11.66	-11.26	1.50E-03	+6.26	-6.06	2.38E-05	+10.22	-10.07	7.83E-03	+5.75	-5.59	9.00E-0
99.0	7.24E-02	+11.63	-11.23	1.54E-03	+6.28	-6.04	3.51E-05	+10.22	-10.05	9.28E-03	+5.78	-5.59	1.00E-0
100.0	7.37E-02	+11.58	-11.21	1.58E-03	+6.20	-6.07	4.93E-05	+10.20	-10.05	1.10E-02	+5.73	-5.56	1.12E-0
101.0	7.49E-02	+11.58	-11.17	1.61E-03	+6.18	-6.04	6.67E-05	+10.20	-10.03	1.29E-02	+5.69	-5.57	1.26E-0
102.0	7.61E-02	+11.53	-11.15	1.65E-03	+6.18	-6.01	8.74E-05	+10.18	-10.02	1.52E-02	+5.67	-5.55	1.43E-0
103.0	7.73E-02	+11.51	-11.13	1.69E-03	+6.16	-5.98	1.12E-04	+10.13	-10.08	1.78E-02	+5.67	-5.53	1.63E-0
104.0	7.84E-02	+11.46	-11.10	1.73E-03	+6.12	-5.99	1.40E-04	+10.13	-9.98	2.07E-02	+5.70	-5.47	1.86E-0
105.0	7.95E-02	+11.43	-11.06	1.77E-03	+6.14	-5.93	1.71E-04	+10.15	-9.93	2.41E-02	+5.59	-5.50	2.13E-0
106.0	8.06E-02	+11.38	-11.03	1.80E-03	+6.10	-5.94	2.07E-04	+10.06	-9.95	2.78E-02	+5.59	-5.43	2.45E-0
107.0	8.16E-02	+11.35	-10.99	1.84E-03	+6.04	-5.92	2.47E-04	+10.05	-9.92	3.20E-02	+5.54	-5.43	2.83E-0
108.0	8.26E-02	+11.32	-10.95	1.88E-03	+5.98	-5.93	2.91E-04	+10.04	-9.87	3.67E-02	+5.52	-5.37	3.26E-0
109.0	8.36E-02	+11.27	-10.92	1.92E-03	+5.98	-5.86	3.39E-04	+9.99	-9.86	4.19E-02	+5.51	-5.31	3.76E-0
110.0	8.44E-02	+11.22	-10.88	1.95E-03	+5.92	-5.85	3.91E-04	+9.92	-9.82	4.77E-02	+5.44	-5.31	4.34E-0
110.5	8.48E-02	+11.21	-10.85	1.97E-03	+5.94	-5.78	4.19E-04	+9.94	-9.81	5.08E-02	+5.45	-5.25	4.66E-0
111.0	8.52E-02	+11.18	-10.84	1.99E-03	+5.93	-5.75	4.47E-04	+9.90	-9.79	5.41E-02	+5.37	-5.28	5.01E-0
111.5	8.56E-02	+11.15	-10.81	2.00E-03	+5.91	-5.76	4.77E-04	+9.88	-9.77	5.75E-02	+5.35	-5.24	5.37E-0
112.0	8.60E-02	+11.13	-10.78	2.02E-03	+5.85	-5.72	5.07E-04	+9.88	-9.72	6.10E-02	+5.35	-5.19	5.76E-0
112.5	8.63E-02	+11.10	-10.77	2.04E-03	+5.90	-5.70	5.39E-04	+9.87	-9.70	6.48E-02	+5.31	-5.19	6.18E-0
113.0	8.66E-02	+11.07	-10.74	2.05E-03	+5.85	-5.68	5.71E-04	+9.80	-9.70	6.86E-02	+5.26	-5.16	6.62E-0
113.5	8.69E-02	+11.04	-10.72	2.07E-03	+5.77	-5.67	6.04E-04	+9.81	-9.66	7.27E-02	+5.28	-5.12	7.08E-0
114.0	8.72E-02	+11.00	-10.69	2.08E-03	+5.80	-5.62	6.39E-04	+9.76	-9.66	7.69E-02	+5.21	-5.10	7.57E-0
114.5	8.74E-02	+11.00	-10.64	2.10E-03	+5.72	-5.62	6.74E-04	+9.74	-9.62	8.13E-02	+5.20	-5.06	8.09E-0
115.0	8.76E-02	+10.95	-10.64	2.11E-03	+5.74	-5.59	7.10E-04	+9.70	-9.61	8.59E-02	+5.17	-5.04	8.64E-0
115.5	8.78E-02	+10.93	-10.60	2.13E-03	+5.73	-5.54	7.46E-04	+9.70	-9.56	9.06E-02	+5.14	-5.01	9.22E-0
116.0	8.80E-02	+10.89	-10.58	2.14E-03	+5.63	-5.60	7.84E-04	+9.66	-9.55	9.55E-02	+5.09	-4.98	9.83E-0
116.5	8.81E-02	+10.86	-10.55	2.15E-03	+5.60	-5.58	8.22E-04	+9.63	-9.52	1.01E-01	+5.05	-4.94	1.05E-0
117.0	8.82E-02	+10.82	-10.52	2.17E-03	+5.58	-5.48	8.61E-04	+9.60	-9.48	1.06E-01	+5.04	-4.89	1.11E-0
117.5	8.83E-02	+10.80	-10.49	2.18E-03	+5.56	-5.45	9.00E-04	+9.57	-9.45	1.11E-01	+5.01	-4.84	1.19E-0
118.0	8.83E-02	+10.75	-10.47	2.19E-03	+5.53	-5.44	9.41E-04	+9.53	-9.43	1.17E-01	+4.95	-4.82	1.26E-0
118.5	8.84E-02	+10.73	-10.43	2.20E-03	+5.52	-5.42	9.81E-04	+9.52	-9.39	1.23E-01	+4.91	-4.78	1.34E-0
119.0	8.84E-02	+10.69	-10.40	2.21E-03	+5.46	-5.39	1.02E-03	+9.46	-9.36	1.29E-01	+4.85	-4.74	1.42E-0
119.5	8.83E-02	+10.66	-10.36	2.22E-03	+5.47	-5.30	1.06E-03	+9.35	-9.37	1.35E-01	+4.83	-4.71	1.50E-0
120.0	8.82E-02	+10.63	-10.33	2.23E-03	+5.40	-5.28	1.11E-03	+9.38	-9.34	1.41E-01	+4.76	-4.66	1.59E-0
120.1	8.82E-02	+10.60	-10.33	2.23E-03	+5.38	-5.29	1.12E-03	+9.35	-9.24	1.43E-01	+4.77	-4.66	1.61E-0
120.2	8.82E-02	+10.59	-10.33	2.23E-03	+5.37	-5.24	1.12E-03	+9.32	-9.30	1.44E-01	+4.74	-4.65	1.62E-0
120.3	8.82E-02	+10.59	-10.31	2.23E-03	+5.36	-5.28	1.13E-03	+9.34	-9.28	1.45E-01	+4.75	-4.63	1.64E-0
120.4	8.82E-02	+10.58	-10.31	2.24E-03	+5.37	-5.27	1.14E-03	+9.28	-9.31	1.47E-01	+4.73	-4.63	1.66E-0
120.5	8.81E-02	+10.58	-10.30	2.24E-03	+5.37	-5.26	1.15E-03	+9.39	-9.23	1.48E-01	+4.72	-4.62	1.68E-0
120.6	8.81E-02	+10.57	-10.29	2.24E-03	+5.32	-5.25	1.16E-03	+9.25	-9.33	1.49E-01	+4.71	-4.63	1.70E-0
120.7	8.81E-02	+10.57	-10.27	2.24E-03	+5.35	-5.22	1.17E-03	+9.34	-9.19	1.51E-01	+4.70	-4.61	1.72E-0
120.8	8.81E-02	+10.56	-10.27	2.24E-03	+5.29	-5.25	1.18E-03	+9.32	-9.29	1.52E-01	+4.69	-4.58	1.73E-0
120.9	8.80E-02	+10.56	-10.27	2.24E-03	+5.36	-5.21	1.18E-03	+9.32	-9.15	1.53E-01	+4.69	-4.57	1.75E-0
121.0	8.80E-02	+10.55	-10.27	2.25E-03	+5.28	-5.26	1.19E-03	+9.28	-9.27	1.55E-01	+4.66	-4.57	1.77E-0
121.1	8.80E-02	+10.54	-10.25	2.25E-03	+5.31	-5.21	1.20E-03	+9.35	-9.19	1.56E-01	+4.66	-4.56	1.79E-0
121.2	8.79E-02	+10.53	-10.25	2.25E-03	+5.33	-5.18	1.21E-03	+9.24	-9.22	1.57E-01	+4.64	-4.57	1.81E-0
121.3	8.79E-02	+10.54	-10.24	2.25E-03	+5.27	-5.23	1.22E-03	+9.35	-9.15	1.59E-01	+4.64	-4.56	1.83E-0
121.4	8.79E-02	+10.50	-10.24	2.25E-03	+5.26	-5.18	1.23E-03	+9.27	-9.18	1.60E-01	+4.66	-4.53	1.85E-0
121.5	8.78E-02	+10.51	-10.23	2.25E-03	+5.29	-5.16	1.24E-03	+9.25	-9.22	1.61E-01	+4.63	-4.53	1.87E-0
121.6	8.78E-02	+10.51	-10.21	2.25E-03	+5.26	-5.22	1.24E-03	+9.29	-9.13	1.63E-01	+4.60	-4.54	1.89E-0
121.7	8.78E-02	+10.49	-10.22	2.25E-03	+5.25	-5.19	1.25E-03	+9.26	-9.20	1.64E-01	+4.61	-4.52	1.91E-0

121.8	8.77E-02	+10.48	-10.20	2.26E-03	+5.26	-5.15	1.26E-03	+9.21	-9.20	1.66E-01	+4.59	-4.51	1.93E-0
121.9	8.77E-02	+10.48	-10.20	2.26E-03	+5.25	-5.14	1.27E-03	+9.23	-9.14	1.67E-01	+4.59	-4.49	1.95E-0
122.0	8.76E-02	+10.47	-10.19	2.26E-03	+5.25	-5.15	1.28E-03	+9.21	-9.18	1.69E-01	+4.58	-4.48	1.97E-0
122.1	8.76E-02	+10.45	-10.19	2.26E-03	+5.24	-5.11	1.29E-03	+9.26	-9.04	1.70E-01	+4.58	-4.47	1.99E-0
122.2	8.75E-02	+10.45	-10.18	2.26E-03	+5.23	-5.10	1.30E-03	+9.24	-9.09	1.71E-01	+4.57	-4.46	2.01E-0
122.3	8.75E-02	+10.44	-10.17	2.26E-03	+5.24	-5.10	1.30E-03	+9.21	-9.12	1.73E-01	+4.56	-4.45	2.03E-0
122.4	8.74E-02	+10.43	-10.18	2.26E-03	+5.22	-5.11	1.31E-03	+9.23	-9.06	1.74E-01	+4.54	-4.45	2.05E-0
122.5	8.74E-02	+10.42	-10.16	2.26E-03	+5.22	-5.08	1.32E-03	+9.18	-9.09	1.76E-01	+4.52	-4.44	2.07E-0
122.6	8.73E-02	+10.42	-10.16	2.26E-03	+5.23	-5.07	1.33E-03	+9.16	-9.13	1.77E-01	+4.51	-4.45	2.10E-0
122.7	8.73E-02	+10.42	-10.15	2.26E-03	+5.19	-5.06	1.34E-03	+9.26	-9.00	1.79E-01	+4.52	-4.41	2.12E-0
122.8	8.72E-02	+10.39	-10.14	2.27E-03	+5.17	-5.09	1.35E-03	+9.16	-9.09	1.80E-01	+4.48	-4.43	2.14E-0
122.9	8.72E-02	+10.40	-10.13	2.27E-03	+5.15	-5.08	1.36E-03	+9.11	-9.08	1.82E-01	+4.49	-4.39	2.16E-0
123.0	8.71E-02	+10.38	-10.12	2.27E-03	+5.14	-5.08	1.36E-03	+9.19	-9.00	1.83E-01	+4.46	-4.41	2.18E-0
123.1	8.71E-02	+10.39	-10.10	2.27E-03	+5.11	-5.07	1.37E-03	+9.18	-9.03	1.85E-01	+4.46	-4.39	2.20E-0
123.2	8.70E-02	+10.37	-10.11	2.27E-03	+5.16	-5.01	1.38E-03	+9.10	-9.03	1.86E-01	+4.45	-4.38	2.22E-0
123.3	8.69E-02	+10.36	-10.10	2.27E-03	+5.13	-5.05	1.39E-03	+9.14	-9.01	1.88E-01	+4.46	-4.34	2.25E-0
123.4	8.69E-02	+10.35	-10.11	2.27E-03	+5.09	-5.06	1.40E-03	+9.12	-8.99	1.89E-01	+4.45	-4.35	2.27E-0
123.5	8.68E-02	+10.35	-10.09	2.27E-03	+5.13	-5.01	1.41E-03	+9.10	-9.08	1.91E-01	+4.42	-4.35	2.29E-0
123.6	8.68E-02	+10.33	-10.08	2.27E-03	+5.09	-5.00	1.42E-03	+9.15	-8.96	1.92E-01	+4.41	-4.35	2.31E-0
123.7	8.67E-02	+10.34	-10.07	2.27E-03	+5.08	-5.03	1.43E-03	+9.07	-8.94	1.94E-01	+4.38	-4.34	2.34E-0
123.8	8.66E-02	+10.33	-10.06	2.27E-03	+5.09	-4.98	1.44E-03	+9.05	-9.02	1.95E-01	+4.41	-4.30	2.36E-0
123.9	8.65E-02	+10.33	-10.05	2.27E-03	+5.07	-4.98	1.44E-03	+9.15	-8.90	1.97E-01	+4.37	-4.30	2.38E-0
124.0	8.65E-02	+10.31	-10.04	2.27E-03	+5.08	-4.98	1.45E-03	+9.09	-8.98	1.99E-01	+4.39	-4.29	2.41E-0
124.1	8.64E-02	+10.28	-10.06	2.28E-03	+5.04	-4.99	1.46E-03	+8.99	-8.98	2.00E-01	+4.36	-4.28	2.43E-0
124.2	8.63E-02	+10.29	-10.03	2.28E-03	+5.07	-4.97	1.47E-03	+9.08	-8.92	2.02E-01	+4.32	-4.27	2.45E-0
124.3	8.63E-02	+10.28	-10.02	2.28E-03	+5.00	-4.97	1.48E-03	+9.03	-8.94	2.03E-01	+4.35	-4.26	2.48E-0
124.4	8.62E-02	+10.27	-10.01	2.28E-03	+5.00	-4.97	1.49E-03	+9.01	-8.98	2.05E-01	+4.34	-4.25	2.50E-0
124.5	8.61E-02	+10.27	-10.01	2.28E-03	+5.06	-4.90	1.50E-03	+9.04	-8.90	2.06E-01	+4.32	-4.25	2.52E-0
124.6	8.60E-02	+10.26	-10.02	2.28E-03	+4.99	-4.98	1.50E-03	+8.98	-8.97	2.08E-01	+4.31	-4.22	2.55E-0
124.7	8.59E-02	+10.25	-9.99	2.28E-03	+4.99	-4.92	1.51E-03	+8.96	-8.93	2.10E-01	+4.30	-4.21	2.57E-0
124.8	8.59E-02	+10.24	-10.00	2.28E-03	+4.99	-4.90	1.52E-03	+8.99	-8.87	2.11E-01	+4.28	-4.23	2.59E-0
124.9	8.58E-02	+10.23	-9.97	2.28E-03	+4.99	-4.89	1.53E-03	+8.93	-8.90	2.13E-01	+4.27	-4.18	2.62E-0
125.0	8.57E-02	+10.22	-9.98	2.28E-03	+4.98	-4.89	1.54E-03	+9.01	-8.83	2.15E-01	+4.26	-4.20	2.64E-0
125.1	8.56E-02	+10.22	-9.95	2.28E-03	+4.91	-4.88	1.55E-03	+8.94	-8.86	2.16E-01	+4.24	-4.17	2.67E-0
125.2	8.55E-02	+10.21	-9.96	2.28E-03	+4.91	-4.89	1.56E-03	+8.98	-8.81	2.18E-01	+4.23	-4.18	2.69E-0
125.3	8.54E-02	+10.20	-9.95	2.28E-03	+4.91	-4.89	1.56E-03	+8.96	-8.85	2.19E-01	+4.22	-4.16	2.72E-0
125.4	8.53E-02	+10.19	-9.94	2.28E-03	+4.91	-4.88	1.57E-03	+8.86	-8.92	2.21E-01	+4.21	-4.15	2.74E-0
125.5	8.52E-02	+10.18	-9.94	2.28E-03	+4.91	-4.88	1.58E-03	+8.94	-8.82	2.23E-01	+4.20	-4.14	2.76E-0
125.6	8.52E-02	+10.17	-9.93	2.28E-03	+4.90	-4.87	1.59E-03	+8.86	-8.89	2.24E-01	+4.18	-4.13	2.79E-0
125.7	8.51E-02	+10.16	-9.92	2.28E-03	+4.89	-4.87	1.60E-03	+8.89	-8.79	2.26E-01	+4.18	-4.11	2.81E-0
125.8	8.50E-02	+10.15	-9.92	2.28E-03	+4.85	-4.87	1.61E-03	+8.88	-8.86	2.28E-01	+4.15	-4.10	2.84E-0
125.9	8.49E-02	+10.13	-9.91	2.28E-03	+4.84	-4.87	1.62E-03	+8.86	-8.77	2.29E-01	+4.15	-4.09	2.87E-0
126.0	8.48E-02	+10.13	-9.90	2.28E-03	+4.88	-4.80	1.62E-03	+8.84	-8.84	2.31E-01	+4.14	-4.08	2.89E-0
126.1	8.47E-02	+10.11	-9.89	2.28E-03	+4.88	-4.80	1.63E-03	+8.84	-8.82	2.33E-01	+4.15	-4.07	2.92E-0
126.2	8.46E-02	+10.10	-9.89	2.28E-03	+4.84	-4.80	1.64E-03	+8.91	-8.72	2.35E-01	+4.14	-4.06	2.94E-0
126.3	8.45E-02	+10.12	-9.87	2.28E-03	+4.82	-4.79	1.65E-03	+8.82	-8.79	2.36E-01	+4.12	-4.04	2.97E-0
126.4	8.44E-02	+10.11	-9.86	2.28E-03	+4.85	-4.75	1.66E-03	+8.89	-8.74	2.38E-01	+4.10	-4.02	2.99E-0
126.5	8.42E-02	+10.11	-9.85	2.28E-03	+4.84	-4.75	1.67E-03	+8.78	-8.76	2.40E-01	+4.09	-4.01	3.02E-0
126.6	8.42E-02	+10.08	-9.86	2.28E-03	+4.77	-4.79	1.68E-03	+8.77	-8.76	2.41E-01	+4.07	-4.01	3.04E-0
126.7	8.40E-02	+10.08	-9.84	2.28E-03	+4.84	-4.74	1.68E-03	+8.85	-8.69	2.43E-01	+4.06	-4.01	3.07E-0

126.8	8.39E-02	+10.08	-9.83	2.28E-03	+4.78	-4.74	1.69E-03	+8.76	-8.71	2.45E-01	+4.06	-3.97	3.10E-0
126.9	8.38E-02	+10.06	-9.84	2.27E-03	+4.80	-4.72	1.70E-03	+8.78	-8.72	2.47E-01	+4.03	-3.97	3.12E-0
127.0	8.37E-02	+10.06	-9.82	2.27E-03	+4.77	-4.74	1.71E-03	+8.81	-8.70	2.48E-01	+4.03	-3.95	3.15E-0
127.1	8.36E-02	+10.04	-9.82	2.27E-03	+4.76	-4.68	1.72E-03	+8.70	-8.74	2.50E-01	+4.01	-3.95	3.18E-0
127.2	8.35E-02	+10.04	-9.80	2.27E-03	+4.76	-4.73	1.73E-03	+8.75	-8.67	2.52E-01	+4.01	-3.94	3.20E-0
127.3	8.34E-02	+10.02	-9.80	2.27E-03	+4.75	-4.67	1.73E-03	+8.75	-8.66	2.54E-01	+4.01	-3.92	3.23E-0
127.4	8.32E-02	+10.03	-9.78	2.27E-03	+4.76	-4.66	1.74E-03	+8.76	-8.64	2.55E-01	+3.98	-3.92	3.26E-0
127.5	8.31E-02	+10.01	-9.77	2.27E-03	+4.69	-4.67	1.75E-03	+8.74	-8.63	2.57E-01	+3.99	-3.89	3.28E-0
127.6	8.30E-02	+10.00	-9.77	2.27E-03	+4.73	-4.67	1.76E-03	+8.68	-8.67	2.59E-01	+3.97	-3.89	3.31E-0
127.7	8.29E-02	+9.99	-9.76	2.27E-03	+4.74	-4.66	1.77E-03	+8.67	-8.66	2.61E-01	+3.93	-3.90	3.34E-0
127.8	8.28E-02	+9.98	-9.75	2.27E-03	+4.74	-4.60	1.77E-03	+8.70	-8.64	2.62E-01	+3.95	-3.86	3.36E-0
127.9	8.26E-02	+9.96	-9.75	2.27E-03	+4.68	-4.65	1.78E-03	+8.69	-8.62	2.64E-01	+3.94	-3.85	3.39E-0
128.0	8.25E-02	+9.97	-9.74	2.27E-03	+4.67	-4.65	1.79E-03	+8.67	-8.62	2.66E-01	+3.91	-3.85	3.42E-0
128.1	8.24E-02	+9.96	-9.73	2.27E-03	+4.66	-4.62	1.80E-03	+8.65	-8.61	2.68E-01	+3.90	-3.83	3.45E-0
128.2	8.23E-02	+9.95	-9.72	2.27E-03	+4.66	-4.59	1.81E-03	+8.63	-8.60	2.70E-01	+3.87	-3.84	3.47E-0
128.3	8.21E-02	+9.92	-9.73	2.26E-03	+4.65	-4.59	1.81E-03	+8.62	-8.59	2.71E-01	+3.87	-3.82	3.50E-0
128.4	8.20E-02	+9.92	-9.71	2.26E-03	+4.61	-4.59	1.82E-03	+8.61	-8.58	2.73E-01	+3.86	-3.81	3.53E-0
128.5	8.19E-02	+9.92	-9.70	2.26E-03	+4.61	-4.59	1.83E-03	+8.60	-8.57	2.75E-01	+3.84	-3.79	3.56E-0
128.6	8.17E-02	+9.90	-9.69	2.26E-03	+4.61	-4.58	1.84E-03	+8.59	-8.55	2.77E-01	+3.82	-3.79	3.58E-0
128.7	8.16E-02	+9.91	-9.68	2.26E-03	+4.59	-4.57	1.85E-03	+8.58	-8.54	2.79E-01	+3.80	-3.79	3.61E-0
128.8	8.15E-02	+9.89	-9.68	2.26E-03	+4.59	-4.58	1.85E-03	+8.54	-8.56	2.81E-01	+3.81	-3.75	3.64E-0
128.9	8.13E-02	+9.89	-9.67	2.26E-03	+4.56	-4.57	1.86E-03	+8.53	-8.54	2.82E-01	+3.81	-3.73	3.67E-0
129.0	8.12E-02	+9.89	-9.64	2.26E-03	+4.62	-4.49	1.87E-03	+8.60	-8.49	2.84E-01	+3.78	-3.74	3.70E-0
129.1	8.10E-02	+9.88	-9.63	2.26E-03	+4.59	-4.49	1.88E-03	+8.55	-8.48	2.86E-01	+3.77	-3.72	3.73E-0
129.2	8.09E-02	+9.85	-9.65	2.26E-03	+4.53	-4.54	1.89E-03	+8.51	-8.52	2.88E-01	+3.76	-3.70	3.75E-0
129.3	8.08E-02	+9.85	-9.64	2.25E-03	+4.52	-4.54	1.89E-03	+8.48	-8.55	2.90E-01	+3.75	-3.69	3.78E-0
129.4	8.06E-02	+9.85	-9.62	2.25E-03	+4.55	-4.45	1.90E-03	+8.56	-8.44	2.92E-01	+3.73	-3.68	3.81E-0
129.5	8.05E-02	+9.84	-9.61	2.25E-03	+4.52	-4.45	1.91E-03	+8.50	-8.47	2.93E-01	+3.73	-3.66	3.84E-0
129.6	8.03E-02	+9.81	-9.62	2.25E-03	+4.52	-4.47	1.92E-03	+8.51	-8.45	2.95E-01	+3.71	-3.65	3.87E-0
129.7	8.02E-02	+9.82	-9.60	2.25E-03	+4.51	-4.45	1.92E-03	+8.51	-8.42	2.97E-01	+3.71	-3.63	3.90E-0
129.8	8.00E-02	+9.80	-9.59	2.25E-03	+4.46	-4.46	1.93E-03	+8.41	-8.49	2.99E-01	+3.68	-3.64	3.93E-0
129.9	7.99E-02	+9.81	-9.57	2.25E-03	+4.48	-4.44	1.94E-03	+8.50	-8.39	3.01E-01	+3.67	-3.62	3.95E-0
130.0	7.97E-02	+9.81	-9.56	2.24E-03	+4.55	-4.37	1.95E-03	+8.42	-8.45	3.03E-01	+3.66	-3.61	3.98E-0
130.5	7.90E-02	+9.74	-9.53	2.24E-03	+4.46	-4.37	1.98E-03	+8.43	-8.33	3.12E-01	+3.60	-3.54	4.13E-0
131.0	7.82E-02	+9.70	-9.50	2.23E-03	+4.40	-4.29	2.02E-03	+8.39	-8.28	3.22E-01	+3.52	-3.49	4.28E-0
131.5	7.73E-02	+9.66	-9.46	2.22E-03	+4.34	-4.25	2.05E-03	+8.33	-8.24	3.31E-01	+3.46	-3.43	4.42E-0
132.0	7.65E-02	+9.62	-9.41	2.21E-03	+4.27	-4.18	2.09E-03	+8.25	-8.19	3.41E-01	+3.40	-3.36	4.57E-0
132.5	7.56E-02	+9.57	-9.36	2.19E-03	+4.19	-4.17	2.12E-03	+8.17	-8.15	3.51E-01	+3.32	-3.31	4.72E-0
133.0	7.47E-02	+9.51	-9.36	2.18E-03	+4.18	-4.12	2.15E-03	+8.11	-8.13	3.61E-01	+3.26	-3.21	4.87E-0
133.5	7.37E-02	+9.48	-9.28	2.17E-03	+4.10	-4.06	2.18E-03	+8.07	-8.07	3.70E-01	+3.19	-3.18	5.02E-0
134.0	7.28E-02	+9.43	-9.24	2.15E-03	+4.06	-4.02	2.21E-03	+8.04	-7.96	3.80E-01	+3.13	-3.11	5.17E-0
134.5	7.18E-02	+9.38	-9.21	2.14E-03	+3.99	-3.98	2.24E-03	+8.00	-7.93	3.90E-01	+3.08	-3.04	5.32E-0
135.0	7.08E-02	+9.34	-9.17	2.12E-03	+3.96	-3.86	2.27E-03	+7.91	-7.89	4.00E-01	+3.02	-2.97	5.47E-0
135.5	6.97E-02	+9.30	-9.14	2.11E-03	+3.87	-3.85	2.29E-03	+7.86	-7.81	4.10E-01	+2.93	-2.92	5.62E-0
136.0	6.87E-02	+9.25	-9.10	2.09E-03	+3.79	-3.79	2.32E-03	+7.79	-7.79	4.20E-01	+2.88	-2.84	5.77E-0
136.5	6.76E-02	+9.21	-9.06	2.07E-03	+3.79	-3.78	2.34E-03	+7.76	-7.69	4.31E-01	+2.81	-2.78	5.91E-0
137.0	6.65E-02	+9.17	-9.01	2.05E-03	+3.74	-3.66	2.36E-03	+7.73	-7.65	4.41E-01	+2.74	-2.73	6.06E-0
137.5	6.54E-02	+9.14	-8.96	2.03E-03	+3.68	-3.65	2.38E-03	+7.65	-7.62	4.51E-01	+2.68	-2.66	6.20E-0
138.0	6.43E-02	+9.08	-8.94	2.01E-03	+3.59	-3.59	2.40E-03	+7.57	-7.60	4.61E-01	+2.62	-2.58	6.34E-0
138.5	6.31E-02	+9.05	-8.89	1.99E-03	+3.60	-3.51	2.41E-03	+7.56	-7.51	4.71E-01	+2.54	-2.53	6.48E-0

139.0	6.20E-02	+9.02	-8.89	1.97E-03	+3.52	-3.49	2.43E-03	+7.46	-7.48	4.81E-01	+2.49	-2.44	6.61E-0
139.5	6.08E-02	+8.96	-8.83	1.95E-03	+3.46	-3.44	2.44E-03	+7.43	-7.41	4.91E-01	+2.41	-2.40	6.75E-0
140.0	5.96E-02	+8.92	-8.78	1.93E-03	+3.39	-3.41	2.45E-03	+7.36	-7.39	5.01E-01	+2.35	-2.34	6.87E-0
140.5	5.84E-02	+8.91	-8.73	1.90E-03	+3.39	-3.30	2.46E-03	+7.34	-7.26	5.11E-01	+2.30	-2.27	7.00E-0
141.0	5.72E-02	+8.86	-8.71	1.88E-03	+3.26	-3.30	2.47E-03	+7.25	-7.27	5.21E-01	+2.23	-2.21	7.12E-0
141.5	5.60E-02	+8.83	-8.67	1.85E-03	+3.27	-3.17	2.48E-03	+7.24	-7.18	5.31E-01	+2.17	-2.15	7.24E-0
142.0	5.48E-02	+8.78	-8.64	1.83E-03	+3.26	-3.17	2.48E-03	+7.17	-7.17	5.41E-01	+2.10	-2.09	7.35E-0
142.5	5.35E-02	+8.74	-8.61	1.80E-03	+3.12	-3.13	2.49E-03	+7.09	-7.10	5.51E-01	+2.03	-2.04	7.46E-0
143.0	5.23E-02	+8.72	-8.56	1.78E-03	+3.10	-3.11	2.49E-03	+7.09	-7.04	5.61E-01	+1.98	-1.95	7.56E-0
143.5	5.11E-02	+8.70	-8.54	1.75E-03	+3.06	-3.06	2.49E-03	+7.03	-7.03	5.71E-01	+1.91	-1.89	7.66E-0
144.0	4.98E-02	+8.63	-8.53	1.73E-03	+2.98	-3.06	2.49E-03	+6.96	-7.02	5.80E-01	+1.85	-1.84	7.75E-0
144.5	4.86E-02	+8.60	-8.48	1.70E-03	+2.91	-2.98	2.48E-03	+6.90	-6.91	5.90E-01	+1.80	-1.78	7.84E-0
145.0	4.73E-02	+8.57	-8.45	1.67E-03	+2.92	-2.84	2.48E-03	+6.89	-6.88	6.00E-01	+1.72	-1.74	7.92E-0
145.5	4.60E-02	+8.53	-8.43	1.64E-03	+2.79	-2.89	2.47E-03	+6.77	-6.89	6.10E-01	+1.70	-1.66	7.99E-0
146.0	4.48E-02	+8.51	-8.39	1.61E-03	+2.83	-2.85	2.46E-03	+6.81	-6.82	6.19E-01	+1.61	-1.61	8.06E-0
146.5	4.35E-02	+8.47	-8.35	1.58E-03	+2.84	-2.70	2.45E-03	+6.70	-6.75	6.29E-01	+1.56	-1.57	8.11E-0
147.0	4.22E-02	+8.44	-8.32	1.55E-03	+2.68	-2.74	2.43E-03	+6.69	-6.65	6.39E-01	+1.49	-1.52	8.16E-0
147.5	4.09E-02	+8.43	-8.29	1.52E-03	+2.64	-2.61	2.42E-03	+6.60	-6.65	6.48E-01	+1.46	-1.46	8.20E-0
148.0	3.97E-02	+8.39	-8.26	1.49E-03	+2.68	-2.55	2.40E-03	+6.64	-6.57	6.58E-01	+1.38	-1.40	8.23E-0
148.5	3.84E-02	+8.36	-8.24	1.46E-03	+2.55	-2.59	2.38E-03	+6.52	-6.61	6.68E-01	+1.35	-1.33	8.25E-0
149.0	3.71E-02	+8.26	-8.22	1.43E-03	+2.52	-2.50	2.36E-03	+6.48	-6.57	6.77E-01	+1.30	-1.28	8.26E-0
149.5	3.58E-02	+8.33	-8.10	1.39E-03	+2.55	-2.43	2.33E-03	+6.53	-6.42	6.87E-01	+1.23	-1.25	8.26E-0
150.0	3.46E-02	+8.27	-8.17	1.36E-03	+2.45	-2.43	2.31E-03	+6.38	-6.49	6.96E-01	+1.19	-1.18	8.25E-0
152.0	2.94E-02	+8.15	-8.07	1.22E-03	+2.34	-2.27	2.18E-03	+6.30	-6.27	7.35E-01	+0.99	-0.98	8.08E-0
154.0	2.43E-02	+8.02	-7.98	1.08E-03	+2.16	-2.10	2.01E-03	+6.12	-6.11	7.74E-01	+0.80	-0.79	7.66E-0
156.0	1.92E-02	+7.94	-7.93	9.14E-04	+1.96	-2.02	1.79E-03	+5.99	-5.96	8.16E-01	+0.61	-0.61	6.92E-0
158.0	1.38E-02	+7.87	-7.81	7.29E-04	+1.83	-1.85	1.50E-03	+5.77	-5.88	8.60E-01	+0.43	-0.44	5.76E-0
160.0	8.64E-03	+7.82	-7.73	5.32E-04	+1.71	-1.72	1.15E-03	+5.71	-5.72	9.08E-01	+0.27	-0.27	4.15E-0
162.0	5.04E-03	+7.85	-7.65	3.69E-04	+1.69	-1.61	8.41E-04	+5.68	-5.61	9.43E-01	+0.15	-0.15	2.82E-0
164.0	3.54E-03	+7.82	-7.65	2.59E-04	+1.65	-1.58	6.06E-04	+5.60	-5.60	9.57E-01	+0.10	-0.11	2.31E-0
165.0	3.14E-03	+7.81	-7.64	2.30E-04	+1.63	-1.60	5.45E-04	+5.61	-5.61	9.60E-01	+0.09	-0.09	2.22E-0
166.0	2.85E-03	+7.76	-7.69	2.08E-04	+1.65	-1.58	5.00E-04	+5.60	-5.60	9.62E-01	+0.08	-0.08	2.18E-0
168.0	2.46E-03	+7.72	-7.66	1.78E-04	+1.56	-1.69	4.39E-04	+5.55	-5.62	9.64E-01	+0.07	-0.07	2.22E-0
170.0	2.20E-03	+7.73	-7.67	1.58E-04	+1.62	-1.60	4.00E-04	+5.59	-5.59	9.64E-01	+0.06	-0.06	2.36E-0
172.0	2.02E-03	+7.72	-7.63	1.43E-04	+1.58	-1.65	3.71E-04	+5.57	-5.59	9.63E-01	+0.06	-0.06	2.61E-0
174.0	1.88E-03	+7.70	-7.67	1.32E-04	+1.52	-1.66	3.48E-04	+5.57	-5.59	9.60E-01	+0.05	-0.05	2.98E-0
175.0	1.81E-03	+7.75	-7.56	1.27E-04	+1.64	-1.59	3.38E-04	+5.60	-5.57	9.58E-01	+0.05	-0.05	3.23E-0
176.0	1.76E-03	+7.70	-7.63	1.22E-04	+1.53	-1.65	3.29E-04	+5.58	-5.58	9.55E-01	+0.05	-0.05	3.54E-0
178.0	1.66E-03	+7.71	-7.60	1.13E-04	+1.61	-1.61	3.12E-04	+5.58	-5.60	9.47E-01	+0.04	-0.04	4.44E-0
180.0	1.56E-03	+7.73	-7.58	1.05E-04	+1.62	-1.60	2.96E-04	+5.61	-5.53	9.32E-01	+0.04	-0.04	6.02E-0
182.0	1.44E-03	+7.70	-7.54	9.68E-05	+1.61	-1.58	2.76E-04	+5.60	-5.58	9.03E-01	+0.04	-0.04	9.00E-0
184.0	1.32E-03	+7.76	-7.58	8.81E-05	+1.60	-1.59	2.54E-04	+5.57	-5.60	8.62E-01	+0.03	-0.03	1.31E-0
185.0	1.27E-03	+7.68	-7.58	8.43E-05	+1.59	-1.59	2.44E-04	+5.56	-5.59	8.44E-01	+0.03	-0.03	1.50E-0
186.0	1.23E-03	+7.66	-7.56	8.09E-05	+1.58	-1.59	2.36E-04	+5.56	-5.55	8.28E-01	+0.03	-0.03	1.66E-0
188.0	1.15E-03	+7.64	-7.56	7.52E-05	+1.60	-1.58	2.22E-04	+5.63	-5.56	8.03E-01	+0.03	-0.03	1.91E-0
190.0	1.09E-03	+7.68	-7.57	7.05E-05	+1.63	-1.54	2.11E-04	+5.60	-5.52	7.86E-01	+0.03	-0.03	2.09E-0
192.0	1.05E-03	+7.65	-7.55	6.66E-05	+1.55	-1.62	2.02E-04	+5.53	-5.59	7.72E-01	+0.02	-0.03	2.23E-0
194.0	1.01E-03	+7.72	-7.55	6.32E-05	+1.63	-1.55	1.94E-04	+5.60	-5.52	7.61E-01	+0.02	-0.02	2.34E-0
195.0	9.94E-04	+7.64	-7.56	6.17E-05	+1.63	-1.63	1.91E-04	+5.60	-5.59	7.57E-01	+0.02	-0.02	2.39E-0
196.0	9.78E-04	+7.66	-7.57	6.02E-05	+1.57	-1.63	1.87E-04	+5.53	-5.61	7.53E-01	+0.02	-0.02	2.43E-0

198.0	9.50E-04	+7.65	-7.57	5.75E-05	+1.57	-1.63	1.81E-04	+5.53	-5.60	7.46E-01	+0.02	-0.02	2.50E-0
200.0	9.26E-04	+7.64	-7.57	5.51E-05	+1.58	-1.63	1.75E-04	+5.54	-5.60	7.41E-01	+0.02	-0.02	2.55E-0
202.0	9.04E-04	+7.65	-7.56	5.29E-05	+1.56	-1.64	1.70E-04	+5.54	-5.60	7.36E-01	+0.02	-0.02	2.60E-0
204.0	8.84E-04	+7.65	-7.53	5.08E-05	+1.62	-1.58	1.65E-04	+5.60	-5.54	7.32E-01	+0.02	-0.02	2.65E-0
206.0	8.66E-04	+7.64	-7.54	4.89E-05	+1.60	-1.62	1.61E-04	+5.55	-5.60	7.28E-01	+0.02	-0.02	2.68E-0
208.0	8.50E-04	+7.64	-7.52	4.71E-05	+1.63	-1.59	1.56E-04	+5.66	-5.52	7.25E-01	+0.02	-0.02	2.71E-0
210.0	8.36E-04	+7.64	-7.54	4.54E-05	+1.66	-1.57	1.52E-04	+5.61	-5.55	7.23E-01	+0.02	-0.02	2.74E-0
212.0	8.22E-04	+7.62	-7.53	4.39E-05	+1.58	-1.66	1.48E-04	+5.52	-5.61	7.20E-01	+0.02	-0.02	2.76E-0
214.0	8.10E-04	+7.61	-7.54	4.24E-05	+1.60	-1.63	1.45E-04	+5.56	-5.61	7.18E-01	+0.02	-0.02	2.78E-0
216.0	7.98E-04	+7.61	-7.53	4.10E-05	+1.60	-1.66	1.41E-04	+5.63	-5.54	7.17E-01	+0.02	-0.02	2.80E-0
218.0	7.87E-04	+7.61	-7.54	3.96E-05	+1.60	-1.62	1.38E-04	+5.61	-5.51	7.15E-01	+0.02	-0.02	2.82E-0
220.0	7.77E-04	+7.63	-7.51	3.84E-05	+1.65	-1.63	1.34E-04	+5.62	-5.57	7.14E-01	+0.02	-0.02	2.84E-0
222.0	7.68E-04	+7.62	-7.52	3.72E-05	+1.61	-1.64	1.31E-04	+5.58	-5.51	7.12E-01	+0.01	-0.02	2.85E-0
224.0	7.59E-04	+7.61	-7.52	3.60E-05	+1.62	-1.61	1.28E-04	+5.58	-5.58	7.11E-01	+0.01	-0.02	2.86E-0
226.0	7.50E-04	+7.62	-7.51	3.49E-05	+1.63	-1.61	1.25E-04	+5.58	-5.58	7.10E-01	+0.01	-0.01	2.87E-0
228.0	7.43E-04	+7.61	-7.53	3.39E-05	+1.63	-1.62	1.22E-04	+5.52	-5.58	7.09E-01	+0.02	-0.01	2.88E-0
230.0	7.35E-04	+7.61	-7.51	3.28E-05	+1.63	-1.62	1.19E-04	+5.59	-5.51	7.08E-01	+0.01	-0.01	2.89E-0
232.0	7.29E-04	+7.61	-7.53	3.19E-05	+1.63	-1.63	1.17E-04	+5.51	-5.59	7.07E-01	+0.01	-0.01	2.90E-0
234.0	7.22E-04	+7.61	-7.52	3.09E-05	+1.65	-1.63	1.14E-04	+5.60	-5.59	7.06E-01	+0.01	-0.01	2.91E-0
236.0	7.16E-04	+7.62	-7.50	3.01E-05	+1.64	-1.64	1.11E-04	+5.60	-5.51	7.06E-01	+0.01	-0.01	2.92E-0
238.0	7.10E-04	+7.59	-7.52	2.92E-05	+1.65	-1.68	1.09E-04	+5.60	-5.55	7.05E-01	+0.01	-0.01	2.93E-0
240.0	7.05E-04	+7.62	-7.52	2.84E-05	+1.66	-1.65	1.07E-04	+5.52	-5.60	7.04E-01	+0.01	-0.01	2.94E-0
242.0	7.00E-04	+7.62	-7.51	2.76E-05	+1.66	-1.65	1.04E-04	+5.61	-5.51	7.04E-01	+0.01	-0.01	2.94E-0
244.0	6.95E-04	+7.61	-7.51	2.68E-05	+1.67	-1.68	1.02E-04	+5.61	-5.54	7.03E-01	+0.01	-0.01	2.95E-0
246.0	6.90E-04	+7.62	-7.53	2.61E-05	+1.67	-1.66	9.96E-05	+5.57	-5.57	7.02E-01	+0.01	-0.01	2.96E-0
248.0	6.86E-04	+7.62	-7.51	2.54E-05	+1.67	-1.67	9.75E-05	+5.58	-5.57	7.02E-01	+0.01	-0.01	2.96E-0
250.0	6.82E-04	+7.63	-7.51	2.47E-05	+1.69	-1.67	9.54E-05	+5.58	-5.57	7.01E-01	+0.01	-0.01	2.97E-0
252.0	6.78E-04	+7.64	-7.52	2.41E-05	+1.64	-1.73	9.33E-05	+5.57	-5.58	7.01E-01	+0.01	-0.01	2.97E-0
254.0	6.75E-04	+7.62	-7.54	2.34E-05	+1.69	-1.68	9.13E-05	+5.57	-5.58	7.00E-01	+0.01	-0.01	2.98E-0
256.0	6.72E-04	+7.61	-7.54	2.28E-05	+1.63	-1.70	8.94E-05	+5.56	-5.57	7.00E-01	+0.01	-0.01	2.98E-0
258.0	6.69E-04	+7.63	-7.55	2.22E-05	+1.71	-1.69	8.75E-05	+5.58	-5.58	6.99E-01	+0.01	-0.01	2.99E-0
260.0	6.66E-04	+7.65	-7.54	2.16E-05	+1.71	-1.70	8.57E-05	+5.58	-5.57	6.99E-01	+0.01	-0.01	2.99E-0
262.0	6.63E-04	+7.65	-7.55	2.11E-05	+1.71	-1.70	8.39E-05	+5.58	-5.57	6.98E-01	+0.01	-0.01	3.00E-0
264.0	6.61E-04	+7.67	-7.56	2.06E-05	+1.71	-1.71	8.21E-05	+5.58	-5.57	6.98E-01	+0.01	-0.01	3.00E-0
266.0	6.59E-04	+7.68	-7.56	2.01E-05	+1.67	-1.71	8.05E-05	+5.58	-5.58	6.98E-01	+0.01	-0.01	3.01E-0
268.0	6.57E-04	+7.69	-7.55	1.96E-05	+1.73	-1.72	7.88E-05	+5.59	-5.58	6.97E-01	+0.01	-0.01	3.01E-0
270.0	6.55E-04	+7.69	-7.57	1.91E-05	+1.73	-1.72	7.72E-05	+5.58	-5.58	6.97E-01	+0.01	-0.01	3.02E-0
272.0	6.54E-04	+7.68	-7.59	1.86E-05	+1.68	-1.73	7.56E-05	+5.59	-5.58	6.96E-01	+0.01	-0.01	3.02E-0
274.0	6.52E-04	+7.71	-7.58	1.82E-05	+1.69	-1.73	7.41E-05	+5.59	-5.58	6.96E-01	+0.01	-0.01	3.02E-0
276.0	6.51E-04	+7.73	-7.61	1.77E-05	+1.75	-1.74	7.26E-05	+5.57	-5.58	6.96E-01	+0.01	-0.01	3.03E-0
278.0	6.50E-04	+7.73	-7.61	1.73E-05	+1.75	-1.75	7.12E-05	+5.59	-5.58	6.95E-01	+0.01	-0.01	3.03E-0
280.0	6.50E-04	+7.74	-7.63	1.69E-05	+1.76	-1.75	6.98E-05	+5.59	-5.58	6.95E-01	+0.01	-0.01	3.04E-0
282.0	6.49E-04	+7.77	-7.63	1.65E-05	+1.76	-1.76	6.84E-05	+5.58	-5.59	6.95E-01	+0.01	-0.01	3.04E-0
284.0	6.49E-04	+7.77	-7.65	1.61E-05	+1.71	-1.76	6.71E-05	+5.59	-5.57	6.94E-01	+0.01	-0.01	3.04E-0
286.0	6.49E-04	+7.80	-7.65	1.57E-05	+1.71	-1.77	6.57E-05	+5.58	-5.57	6.94E-01	+0.01	-0.01	3.05E-0
288.0	6.49E-04	+7.82	-7.68	1.54E-05	+1.72	-1.77	6.45E-05	+5.58	-5.57	6.93E-01	+0.01	-0.01	3.05E-0
290.0	6.49E-04	+7.86	-7.70	1.50E-05	+1.79	-1.78	6.32E-05	+5.58	-5.57	6.93E-01	+0.01	-0.01	3.05E-0
292.0	6.49E-04	+7.87	-7.72	1.47E-05	+1.79	-1.80	6.20E-05	+5.60	-5.59	6.93E-01	+0.01	-0.01	3.06E-0
294.0	6.50E-04	+7.88	-7.74	1.44E-05	+1.73	-1.81	6.08E-05	+5.58	-5.59	6.93E-01	+0.01	-0.01	3.06E-0
296.0	6.51E-04	+7.93	-7.76	1.41E-05	+1.73	-1.79	5.97E-05	+5.58	-5.58	6.92E-01	+0.01	-0.01	3.06E-0

298.0	6.52E-04	+7.95	-7.77	1.37E-05	+1.82	-1.80	5.86E-05	+5.60	-5.58	6.92E-01	+0.01	-0.01	3.07E-0
300.0	6.53E-04	+7.97	-7.82	1.34E-05	+1.81	-1.82	5.75E-05	+5.58	-5.59	6.92E-01	+0.01	-0.01	3.07E-0
305.0	6.58E-04	+8.08	-7.86	1.27E-05	+1.84	-1.83	5.48E-05	+5.58	-5.59	6.91E-01	+0.01	-0.01	3.08E-0
310.0	6.64E-04	+8.19	-7.95	1.21E-05	+1.86	-1.85	5.24E-05	+5.59	-5.58	6.90E-01	+0.01	-0.01	3.08E-0
315.0	6.71E-04	+8.36	-8.06	1.14E-05	+1.86	-1.85	5.00E-05	+5.57	-5.56	6.90E-01	+0.01	-0.01	3.09E-0
320.0	6.80E-04	+8.63	-8.15	1.09E-05	+1.90	-1.86	4.78E-05	+5.69	-5.55	6.89E-01	+0.01	-0.01	3.09E-0
325.0	6.93E-04	+8.76	-8.40	1.03E-05	+1.88	-1.94	4.58E-05	+5.53	-5.58	6.88E-01	+0.01	-0.01	3.10E-0
330.0	7.07E-04	+9.13	-8.58	9.83E-06	+1.93	-1.96	4.38E-05	+5.60	-5.52	6.88E-01	+0.01	-0.01	3.10E-0
335.0	7.26E-04	+9.63	-8.96	9.37E-06	+1.93	-2.00	4.21E-05	+5.54	-5.52	6.87E-01	+0.02	-0.03	3.11E-0
340.0	7.50E-04	+10.77	-9.41	8.91E-06	+2.06	-2.52	4.03E-05	+5.62	-5.51	6.87E-01	+0.03	-0.19	3.11E-0
345.0	7.83E-04	+9.45	-10.19	8.44E-06	+3.35	-6.12	3.88E-05	+5.52	-7.54	6.85E-01	+0.20	-1.28	3.11E-0
350.0	8.14E-04	+9.39	-10.54	7.73E-06	+6.02	-7.98	3.65E-05	+7.57	-8.70	6.76E-01	+1.31	-1.99	3.07E-0
360.0	8.51E-04	+8.18	-8.60	6.25E-06	+8.97	-8.86	3.17E-05	+9.07	-8.98	6.51E-01	+2.23	-2.21	2.97E-0
370.0	8.64E-04	+7.77	-7.96	5.03E-06	+9.77	-9.32	2.76E-05	+9.20	-9.00	6.28E-01	+2.30	-2.20	2.87E-0
380.0	8.61E-04	+7.69	-7.73	4.06E-06	+10.05	-9.59	2.42E-05	+9.08	-8.86	6.09E-01	+2.24	-2.12	2.80E-0
390.0	8.50E-04	+7.73	-7.70	3.27E-06	+10.37	-9.68	2.14E-05	+8.97	-8.69	5.94E-01	+2.14	-2.01	2.74E-0
400.0	8.32E-04	+7.79	-7.74	2.65E-06	+10.41	-9.81	1.90E-05	+8.74	-8.50	5.82E-01	+2.01	-1.91	2.69E-0
420.0	7.89E-04	+7.91	-7.92	1.74E-06	+10.65	-9.80	1.53E-05	+8.27	-8.22	5.65E-01	+1.79	-1.70	2.63E-0
440.0	7.42E-04	+8.06	-8.02	1.15E-06	+10.73	-10.09	1.26E-05	+8.01	-7.82	5.55E-01	+1.59	-1.50	2.60E-0
450.0	7.18E-04	+8.10	-8.06	9.28E-07	+10.90	-9.99	1.15E-05	+7.83	-7.63	5.51E-01	+1.51	-1.42	2.59E-0
460.0	6.94E-04	+8.15	-8.08	7.50E-07	+10.79	-10.07	1.05E-05	+7.70	-7.47	5.49E-01	+1.41	-1.35	2.59E-0
480.0	6.47E-04	+8.26	-8.13	4.86E-07	+10.96	-9.67	8.88E-06	+7.39	-7.24	5.46E-01	+1.27	-1.21	2.60E-0
500.0	6.04E-04	+8.87	-8.78	3.11E-07	+10.95	-9.50	7.59E-06	+7.71	-7.55	5.46E-01	+1.39	-1.33	2.61E-0
520.0	5.62E-04	+9.08	-8.98	1.96E-07	+9.92	-8.16	6.54E-06	+7.64	-7.50	5.47E-01	+1.39	-1.35	2.63E-0
540.0	5.24E-04	+9.27	-9.24	1.24E-07	+7.35	-5.18	5.67E-06	+7.60	-7.48	5.49E-01	+1.47	-1.44	2.65E-0
550.0	5.06E-04	+9.41	-9.30	9.89E-08	+5.15	-3.65	5.30E-06	+7.60	-7.48	5.50E-01	+1.51	-1.48	2.66E-0
560.0	4.88E-04	+9.51	-9.46	8.10E-08	+7.75	-4.06	4.96E-06	+7.61	-7.49	5.52E-01	+1.55	-1.51	2.67E-0
580.0	4.55E-04	+9.72	-9.75	5.92E-08	+14.26	-11.21	4.35E-06	+7.78	-7.74	5.55E-01	+1.61	-1.57	2.70E-0
600.0	4.24E-04	+10.15	-9.94	5.03E-08	+19.82	-16.80	3.84E-06	+8.25	-7.97	5.58E-01	+1.65	-1.65	2.72E-0
620.0	3.96E-04	+10.36	-10.25	4.82E-08	+23.29	-19.88	3.40E-06	+8.55	-8.44	5.62E-01	+1.72	-1.69	2.75E-0
640.0	3.69E-04	+10.72	-10.56	5.29E-08	+27.25	-23.58	3.03E-06	+9.01	-8.84	5.66E-01	+1.75	-1.75	2.77E-0
650.0	3.57E-04	+10.91	-10.70	5.82E-08	+27.12	-24.63	2.86E-06	+9.26	-9.07	5.68E-01	+1.76	-1.76	2.79E-0
660.0	3.45E-04	+11.07	-10.94	6.60E-08	+26.28	-23.91	2.70E-06	+9.47	-9.31	5.70E-01	+1.79	-1.77	2.80E-0
680.0	3.22E-04	+11.57	-11.24	8.65E-08	+21.83	-20.91	2.42E-06	+10.01	-9.70	5.73E-01	+1.82	-1.83	2.82E-0
700.0	3.01E-04	+11.92	-11.70	1.11E-07	+19.25	-17.81	2.18E-06	+10.54	-10.18	5.77E-01	+1.84	-1.86	2.85E-0
720.0	2.81E-04	+12.50	-12.16	1.38E-07	+16.82	-16.02	1.96E-06	+11.14	-10.71	5.81E-01	+1.88	-1.91	2.87E-0
740.0	2.63E-04	+13.05	-12.58	1.65E-07	+15.60	-14.68	1.77E-06	+11.71	-11.27	5.84E-01	+1.92	-1.94	2.89E-0
750.0	2.55E-04	+13.30	-12.88	1.79E-07	+15.16	-14.24	1.69E-06	+12.06	-11.57	5.86E-01	+1.93	-1.96	2.90E-0
760.0	2.46E-04	+13.64	-13.12	1.92E-07	+14.75	-13.89	1.61E-06	+12.42	-11.84	5.88E-01	+1.93	-1.98	2.91E-0
780.0	2.31E-04	+14.30	-13.67	2.18E-07	+14.31	-13.58	1.46E-06	+13.10	-12.50	5.91E-01	+1.96	-2.02	2.94E-0
800.0	2.16E-04	+15.01	-14.27	2.44E-07	+14.43	-13.28	1.33E-06	+13.95	-13.09	5.94E-01	+1.99	-2.07	2.96E-0
820.0	2.03E-04	+15.93	-14.86	2.69E-07	+14.45	-13.17	1.22E-06	+14.77	-13.79	5.98E-01	+2.03	-2.11	2.97E-0
840.0	1.90E-04	+16.73	-15.56	2.93E-07	+14.56	-13.38	1.12E-06	+15.73	-14.49	6.01E-01	+2.04	-2.15	2.99E-0
850.0	1.84E-04	+17.25	-15.83	3.04E-07	+14.87	-13.43	1.07E-06	+16.29	-14.86	6.02E-01	+2.05	-2.17	3.00E-0
860.0	1.78E-04	+17.71	-16.27	3.15E-07	+15.29	-13.49	1.02E-06	+16.75	-15.28	6.04E-01	+2.07	-2.20	3.01E-0
880.0	1.67E-04	+18.86	-16.91	3.37E-07	+15.76	-13.86	9.44E-07	+17.86	-16.04	6.06E-01	+2.09	-2.25	3.03E-0
900.0	1.57E-04	+19.98	-17.73	3.58E-07	+16.22	-14.44	8.72E-07	+19.03	-16.88	6.09E-01	+2.11	-2.29	3.04E-0
920.0	1.48E-04	+21.21	-18.55	3.77E-07	+17.86	-14.69	8.07E-07	+20.32	-17.76	6.12E-01	+2.14	-2.34	3.06E-0
940.0	1.39E-04	+22.50	-19.45	3.93E-07	+18.59	-15.56	7.49E-07	+21.73	-18.65	6.14E-01	+2.15	-2.39	3.07E-0
950.0	1.34E-04	+23.31	-19.92	4.00E-07	+19.17	-15.86	7.22E-07	+22.49	-19.12	6.16E-01	+2.16	-2.42	3.08E-0

960.0	1.30E-04	+24.06	-20.40	4.08E-07	+19.89	-16.20	6.97E-07	+23.28	-19.56	6.17E-01	+2.17	-2.45	3.09E-0
980.0	1.23E-04	+25.74	-21.39	4.27E-07	+21.31	-16.87	6.50E-07	+24.94	-20.54	6.19E-01	+2.19	-2.50	3.10E-0
1000.0	1.15E-04	+27.50	-22.39	4.39E-07	+22.95	-17.69	6.08E-07	+26.77	-21.56	6.21E-01	+2.20	-2.55	3.11E-0

Higgs 4 fermions

H III, I I

M_H (GeV)	H $l^+l^+l^+$	H $l^+l^+l^-$	H $e^+e^+e^-$	H $e^+e^-\mu^+\mu^-$	H $l^+l^-l^-$	H $l^+l^-l^+$	H $e^+e^-e^-$	H $e^+e^-\mu^-\mu^-$	ΔBR
	$l=e,\mu$	$l=e,\mu$			$l=e,\mu$ or τ , =any	$l=e$ or μ , =any			[%]
80.0	1.98E-06	9.44E-07	2.86E-07	3.73E-07	6.28E-05	2.72E-05	4.71E-06	7.35E-06	5.89
81.0	2.17E-06	1.04E-06	3.13E-07	4.10E-07	6.98E-05	3.02E-05	5.25E-06	8.17E-06	5.86
82.0	2.38E-06	1.14E-06	3.43E-07	4.50E-07	7.76E-05	3.36E-05	5.87E-06	9.07E-06	5.89
83.0	2.61E-06	1.24E-06	3.75E-07	4.93E-07	8.64E-05	3.74E-05	6.58E-06	1.01E-05	5.85
84.0	2.85E-06	1.36E-06	4.10E-07	5.40E-07	9.64E-05	4.17E-05	7.40E-06	1.13E-05	5.89
85.0	3.12E-06	1.49E-06	4.49E-07	5.92E-07	1.08E-04	4.68E-05	8.36E-06	1.26E-05	5.85
86.0	3.42E-06	1.63E-06	4.91E-07	6.49E-07	1.22E-04	5.27E-05	9.51E-06	1.42E-05	5.88
87.0	3.74E-06	1.78E-06	5.37E-07	7.09E-07	1.38E-04	5.97E-05	1.09E-05	1.60E-05	5.85
88.0	4.09E-06	1.95E-06	5.87E-07	7.76E-07	1.57E-04	6.82E-05	1.27E-05	1.83E-05	5.88
89.0	4.48E-06	2.13E-06	6.42E-07	8.52E-07	1.81E-04	7.86E-05	1.48E-05	2.10E-05	5.81
90.0	4.89E-06	2.33E-06	7.01E-07	9.30E-07	2.10E-04	9.12E-05	1.75E-05	2.43E-05	5.85
91.0	5.36E-06	2.55E-06	7.67E-07	1.02E-06	2.45E-04	1.07E-04	2.09E-05	2.83E-05	5.81
92.0	5.86E-06	2.79E-06	8.38E-07	1.12E-06	2.88E-04	1.25E-04	2.50E-05	3.32E-05	5.85
93.0	6.42E-06	3.06E-06	9.16E-07	1.22E-06	3.40E-04	1.49E-04	3.02E-05	3.91E-05	5.85
94.0	7.04E-06	3.35E-06	1.00E-06	1.34E-06	4.03E-04	1.76E-04	3.65E-05	4.62E-05	5.85
95.0	7.73E-06	3.67E-06	1.10E-06	1.48E-06	4.80E-04	2.10E-04	4.42E-05	5.49E-05	5.80
96.0	8.49E-06	4.03E-06	1.20E-06	1.63E-06	5.72E-04	2.51E-04	5.35E-05	6.52E-05	5.80
97.0	9.36E-06	4.44E-06	1.32E-06	1.80E-06	6.81E-04	2.99E-04	6.47E-05	7.75E-05	5.80
98.0	1.04E-05	4.91E-06	1.46E-06	2.00E-06	8.11E-04	3.56E-04	7.81E-05	9.20E-05	5.75
99.0	1.15E-05	5.44E-06	1.61E-06	2.22E-06	9.63E-04	4.24E-04	9.40E-05	1.09E-04	5.78
100.0	1.28E-05	6.06E-06	1.78E-06	2.49E-06	1.14E-03	5.03E-04	1.13E-04	1.29E-04	5.73
101.0	1.44E-05	6.78E-06	1.99E-06	2.80E-06	1.35E-03	5.95E-04	1.34E-04	1.52E-04	5.69
102.0	1.62E-05	7.62E-06	2.22E-06	3.17E-06	1.59E-03	7.01E-04	1.59E-04	1.78E-04	5.67
103.0	1.83E-05	8.61E-06	2.50E-06	3.61E-06	1.86E-03	8.23E-04	1.88E-04	2.09E-04	5.67
104.0	2.08E-05	9.75E-06	2.81E-06	4.13E-06	2.17E-03	9.63E-04	2.22E-04	2.43E-04	5.70
105.0	2.37E-05	1.11E-05	3.18E-06	4.74E-06	2.53E-03	1.12E-03	2.59E-04	2.83E-04	5.59
106.0	2.72E-05	1.27E-05	3.60E-06	5.45E-06	2.93E-03	1.30E-03	3.02E-04	3.27E-04	5.59
107.0	3.11E-05	1.45E-05	4.10E-06	6.28E-06	3.39E-03	1.50E-03	3.51E-04	3.76E-04	5.54
108.0	3.58E-05	1.66E-05	4.66E-06	7.26E-06	3.89E-03	1.73E-03	4.05E-04	4.31E-04	5.52
109.0	4.11E-05	1.90E-05	5.31E-06	8.39E-06	4.45E-03	1.98E-03	4.65E-04	4.93E-04	5.51
110.0	4.72E-05	2.18E-05	6.04E-06	9.69E-06	5.08E-03	2.26E-03	5.32E-04	5.61E-04	5.44
110.5	5.06E-05	2.33E-05	6.45E-06	1.04E-05	5.41E-03	2.41E-03	5.68E-04	5.97E-04	5.45
111.0	5.42E-05	2.49E-05	6.88E-06	1.12E-05	5.76E-03	2.57E-03	6.06E-04	6.35E-04	5.37
111.5	5.80E-05	2.67E-05	7.34E-06	1.20E-05	6.13E-03	2.74E-03	6.45E-04	6.75E-04	5.35
112.0	6.21E-05	2.85E-05	7.82E-06	1.29E-05	6.52E-03	2.91E-03	6.87E-04	7.17E-04	5.35
112.5	6.64E-05	3.05E-05	8.34E-06	1.38E-05	6.92E-03	3.09E-03	7.31E-04	7.61E-04	5.31
113.0	7.10E-05	3.26E-05	8.88E-06	1.48E-05	7.35E-03	3.28E-03	7.76E-04	8.07E-04	5.26
113.5	7.59E-05	3.47E-05	9.46E-06	1.58E-05	7.79E-03	3.48E-03	8.23E-04	8.54E-04	5.28

114.0	8.10E-05	3.71E-05	1.01E-05	1.69E-05	8.25E-03	3.69E-03	8.73E-04	9.04E-04	5.21
114.5	8.64E-05	3.95E-05	1.07E-05	1.81E-05	8.73E-03	3.91E-03	9.25E-04	9.56E-04	5.20
115.0	9.22E-05	4.21E-05	1.14E-05	1.93E-05	9.23E-03	4.13E-03	9.79E-04	1.01E-03	5.17
115.5	9.82E-05	4.48E-05	1.21E-05	2.06E-05	9.74E-03	4.36E-03	1.03E-03	1.06E-03	5.14
116.0	1.05E-04	4.77E-05	1.28E-05	2.20E-05	1.03E-02	4.61E-03	1.09E-03	1.12E-03	5.09
116.5	1.11E-04	5.07E-05	1.36E-05	2.35E-05	1.08E-02	4.86E-03	1.15E-03	1.18E-03	5.05
117.0	1.18E-04	5.38E-05	1.44E-05	2.50E-05	1.14E-02	5.12E-03	1.22E-03	1.24E-03	5.04
117.5	1.26E-04	5.71E-05	1.53E-05	2.65E-05	1.20E-02	5.39E-03	1.28E-03	1.31E-03	5.01
118.0	1.33E-04	6.06E-05	1.62E-05	2.82E-05	1.26E-02	5.67E-03	1.35E-03	1.38E-03	4.95
118.5	1.41E-04	6.42E-05	1.71E-05	2.99E-05	1.33E-02	5.96E-03	1.42E-03	1.44E-03	4.91
119.0	1.50E-04	6.79E-05	1.81E-05	3.18E-05	1.39E-02	6.26E-03	1.49E-03	1.51E-03	4.85
119.5	1.58E-04	7.18E-05	1.91E-05	3.37E-05	1.46E-02	6.57E-03	1.56E-03	1.59E-03	4.83
120.0	1.67E-04	7.59E-05	2.01E-05	3.56E-05	1.53E-02	6.89E-03	1.64E-03	1.66E-03	4.76
120.1	1.69E-04	7.67E-05	2.04E-05	3.60E-05	1.55E-02	6.95E-03	1.65E-03	1.68E-03	4.77
120.2	1.71E-04	7.76E-05	2.06E-05	3.64E-05	1.56E-02	7.02E-03	1.67E-03	1.69E-03	4.74
120.3	1.73E-04	7.84E-05	2.08E-05	3.68E-05	1.57E-02	7.08E-03	1.69E-03	1.71E-03	4.75
120.4	1.75E-04	7.93E-05	2.10E-05	3.72E-05	1.59E-02	7.15E-03	1.70E-03	1.72E-03	4.74
120.5	1.77E-04	8.01E-05	2.12E-05	3.76E-05	1.60E-02	7.21E-03	1.72E-03	1.74E-03	4.72
120.6	1.79E-04	8.10E-05	2.15E-05	3.81E-05	1.62E-02	7.28E-03	1.73E-03	1.75E-03	4.71
120.7	1.80E-04	8.18E-05	2.17E-05	3.85E-05	1.63E-02	7.35E-03	1.75E-03	1.77E-03	4.71
120.8	1.82E-04	8.27E-05	2.19E-05	3.89E-05	1.65E-02	7.41E-03	1.76E-03	1.79E-03	4.73
120.9	1.84E-04	8.36E-05	2.21E-05	3.93E-05	1.66E-02	7.48E-03	1.78E-03	1.80E-03	4.69
121.0	1.86E-04	8.45E-05	2.24E-05	3.98E-05	1.68E-02	7.55E-03	1.80E-03	1.82E-03	4.66
121.1	1.88E-04	8.53E-05	2.26E-05	4.02E-05	1.69E-02	7.62E-03	1.81E-03	1.83E-03	4.66
121.2	1.90E-04	8.63E-05	2.28E-05	4.06E-05	1.71E-02	7.69E-03	1.83E-03	1.85E-03	4.64
121.3	1.92E-04	8.72E-05	2.30E-05	4.11E-05	1.72E-02	7.76E-03	1.85E-03	1.87E-03	4.64
121.4	1.94E-04	8.81E-05	2.33E-05	4.15E-05	1.74E-02	7.83E-03	1.86E-03	1.88E-03	4.66
121.5	1.96E-04	8.90E-05	2.35E-05	4.19E-05	1.75E-02	7.90E-03	1.88E-03	1.90E-03	4.64
121.6	1.98E-04	8.99E-05	2.38E-05	4.24E-05	1.77E-02	7.97E-03	1.90E-03	1.92E-03	4.60
121.7	2.01E-04	9.08E-05	2.40E-05	4.28E-05	1.79E-02	8.04E-03	1.91E-03	1.93E-03	4.61
121.8	2.03E-04	9.18E-05	2.42E-05	4.33E-05	1.80E-02	8.11E-03	1.93E-03	1.95E-03	4.59
121.9	2.05E-04	9.27E-05	2.45E-05	4.37E-05	1.82E-02	8.18E-03	1.95E-03	1.97E-03	4.59
122.0	2.07E-04	9.36E-05	2.47E-05	4.42E-05	1.83E-02	8.25E-03	1.97E-03	1.98E-03	4.58
122.1	2.09E-04	9.46E-05	2.50E-05	4.47E-05	1.85E-02	8.32E-03	1.98E-03	2.00E-03	4.58
122.2	2.11E-04	9.55E-05	2.52E-05	4.51E-05	1.86E-02	8.39E-03	2.00E-03	2.02E-03	4.57
122.3	2.13E-04	9.65E-05	2.55E-05	4.56E-05	1.88E-02	8.47E-03	2.02E-03	2.03E-03	4.56
122.4	2.15E-04	9.75E-05	2.57E-05	4.61E-05	1.90E-02	8.54E-03	2.04E-03	2.05E-03	4.54
122.5	2.18E-04	9.85E-05	2.60E-05	4.65E-05	1.91E-02	8.61E-03	2.05E-03	2.07E-03	4.52
122.6	2.20E-04	9.95E-05	2.62E-05	4.70E-05	1.93E-02	8.69E-03	2.07E-03	2.09E-03	4.51
122.7	2.22E-04	1.00E-04	2.65E-05	4.75E-05	1.94E-02	8.76E-03	2.09E-03	2.10E-03	4.52
122.8	2.24E-04	1.01E-04	2.67E-05	4.80E-05	1.96E-02	8.84E-03	2.11E-03	2.12E-03	4.49
122.9	2.26E-04	1.02E-04	2.70E-05	4.85E-05	1.98E-02	8.91E-03	2.12E-03	2.14E-03	4.49
123.0	2.29E-04	1.03E-04	2.72E-05	4.90E-05	1.99E-02	8.99E-03	2.14E-03	2.16E-03	4.46
123.1	2.31E-04	1.04E-04	2.75E-05	4.94E-05	2.01E-02	9.06E-03	2.16E-03	2.17E-03	4.46
123.2	2.33E-04	1.05E-04	2.78E-05	4.99E-05	2.03E-02	9.14E-03	2.18E-03	2.19E-03	4.46
123.3	2.35E-04	1.06E-04	2.80E-05	5.04E-05	2.04E-02	9.22E-03	2.20E-03	2.21E-03	4.48
123.4	2.38E-04	1.08E-04	2.83E-05	5.09E-05	2.06E-02	9.29E-03	2.22E-03	2.23E-03	4.45
123.5	2.40E-04	1.09E-04	2.86E-05	5.14E-05	2.08E-02	9.37E-03	2.23E-03	2.24E-03	4.42
123.6	2.42E-04	1.10E-04	2.88E-05	5.20E-05	2.10E-02	9.45E-03	2.25E-03	2.26E-03	4.41
123.7	2.45E-04	1.11E-04	2.91E-05	5.25E-05	2.11E-02	9.53E-03	2.27E-03	2.28E-03	4.38

123.8	2.47E-04	1.12E-04	2.94E-05	5.30E-05	2.13E-02	9.60E-03	2.29E-03	2.30E-03	4.41
123.9	2.49E-04	1.13E-04	2.96E-05	5.35E-05	2.15E-02	9.68E-03	2.31E-03	2.32E-03	4.37
124.0	2.52E-04	1.14E-04	2.99E-05	5.40E-05	2.16E-02	9.76E-03	2.33E-03	2.34E-03	4.39
124.1	2.54E-04	1.15E-04	3.02E-05	5.45E-05	2.18E-02	9.84E-03	2.35E-03	2.35E-03	4.36
124.2	2.57E-04	1.16E-04	3.05E-05	5.51E-05	2.20E-02	9.92E-03	2.37E-03	2.37E-03	4.32
124.3	2.59E-04	1.17E-04	3.07E-05	5.56E-05	2.22E-02	1.00E-02	2.39E-03	2.39E-03	4.35
124.4	2.61E-04	1.18E-04	3.10E-05	5.61E-05	2.23E-02	1.01E-02	2.40E-03	2.41E-03	4.34
124.5	2.64E-04	1.19E-04	3.13E-05	5.66E-05	2.25E-02	1.02E-02	2.42E-03	2.43E-03	4.32
124.6	2.66E-04	1.20E-04	3.16E-05	5.72E-05	2.27E-02	1.02E-02	2.44E-03	2.45E-03	4.32
124.7	2.69E-04	1.21E-04	3.19E-05	5.77E-05	2.29E-02	1.03E-02	2.46E-03	2.47E-03	4.30
124.8	2.71E-04	1.23E-04	3.21E-05	5.82E-05	2.31E-02	1.04E-02	2.48E-03	2.49E-03	4.28
124.9	2.74E-04	1.24E-04	3.24E-05	5.88E-05	2.32E-02	1.05E-02	2.50E-03	2.50E-03	4.27
125.0	2.76E-04	1.25E-04	3.27E-05	5.93E-05	2.34E-02	1.06E-02	2.52E-03	2.52E-03	4.28
125.1	2.79E-04	1.26E-04	3.30E-05	5.99E-05	2.36E-02	1.06E-02	2.54E-03	2.54E-03	4.24
125.2	2.81E-04	1.27E-04	3.33E-05	6.04E-05	2.38E-02	1.07E-02	2.56E-03	2.56E-03	4.23
125.3	2.84E-04	1.28E-04	3.36E-05	6.10E-05	2.40E-02	1.08E-02	2.58E-03	2.58E-03	4.22
125.4	2.86E-04	1.29E-04	3.39E-05	6.15E-05	2.41E-02	1.09E-02	2.60E-03	2.60E-03	4.21
125.5	2.89E-04	1.30E-04	3.42E-05	6.21E-05	2.43E-02	1.10E-02	2.62E-03	2.62E-03	4.22
125.6	2.91E-04	1.32E-04	3.45E-05	6.27E-05	2.45E-02	1.11E-02	2.64E-03	2.64E-03	4.18
125.7	2.94E-04	1.33E-04	3.48E-05	6.32E-05	2.47E-02	1.11E-02	2.66E-03	2.66E-03	4.18
125.8	2.97E-04	1.34E-04	3.51E-05	6.38E-05	2.49E-02	1.12E-02	2.68E-03	2.68E-03	4.15
125.9	2.99E-04	1.35E-04	3.53E-05	6.44E-05	2.51E-02	1.13E-02	2.70E-03	2.70E-03	4.15
126.0	3.02E-04	1.36E-04	3.56E-05	6.49E-05	2.53E-02	1.14E-02	2.72E-03	2.72E-03	4.14
126.1	3.04E-04	1.37E-04	3.59E-05	6.55E-05	2.54E-02	1.15E-02	2.74E-03	2.74E-03	4.15
126.2	3.07E-04	1.39E-04	3.63E-05	6.61E-05	2.56E-02	1.16E-02	2.76E-03	2.76E-03	4.14
126.3	3.10E-04	1.40E-04	3.66E-05	6.67E-05	2.58E-02	1.17E-02	2.78E-03	2.78E-03	4.12
126.4	3.12E-04	1.41E-04	3.69E-05	6.72E-05	2.60E-02	1.17E-02	2.81E-03	2.80E-03	4.11
126.5	3.15E-04	1.42E-04	3.72E-05	6.78E-05	2.62E-02	1.18E-02	2.83E-03	2.82E-03	4.09
126.6	3.18E-04	1.43E-04	3.75E-05	6.84E-05	2.64E-02	1.19E-02	2.85E-03	2.84E-03	4.07
126.7	3.20E-04	1.45E-04	3.78E-05	6.90E-05	2.66E-02	1.20E-02	2.87E-03	2.86E-03	4.07
126.8	3.23E-04	1.46E-04	3.81E-05	6.96E-05	2.68E-02	1.21E-02	2.89E-03	2.88E-03	4.06
126.9	3.26E-04	1.47E-04	3.84E-05	7.02E-05	2.70E-02	1.22E-02	2.91E-03	2.90E-03	4.03
127.0	3.28E-04	1.48E-04	3.87E-05	7.08E-05	2.72E-02	1.23E-02	2.93E-03	2.92E-03	4.03
127.1	3.31E-04	1.49E-04	3.90E-05	7.14E-05	2.74E-02	1.24E-02	2.95E-03	2.94E-03	4.01
127.2	3.34E-04	1.51E-04	3.93E-05	7.20E-05	2.76E-02	1.24E-02	2.97E-03	2.96E-03	4.01
127.3	3.37E-04	1.52E-04	3.97E-05	7.26E-05	2.78E-02	1.25E-02	3.00E-03	2.98E-03	4.01
127.4	3.39E-04	1.53E-04	4.00E-05	7.32E-05	2.80E-02	1.26E-02	3.02E-03	3.00E-03	3.98
127.5	3.42E-04	1.54E-04	4.03E-05	7.38E-05	2.81E-02	1.27E-02	3.04E-03	3.02E-03	3.99
127.6	3.45E-04	1.56E-04	4.06E-05	7.44E-05	2.83E-02	1.28E-02	3.06E-03	3.05E-03	3.97
127.7	3.48E-04	1.57E-04	4.09E-05	7.50E-05	2.85E-02	1.29E-02	3.08E-03	3.07E-03	3.93
127.8	3.51E-04	1.58E-04	4.12E-05	7.56E-05	2.87E-02	1.30E-02	3.10E-03	3.09E-03	3.95
127.9	3.53E-04	1.59E-04	4.16E-05	7.62E-05	2.89E-02	1.31E-02	3.12E-03	3.11E-03	3.94
128.0	3.56E-04	1.61E-04	4.19E-05	7.68E-05	2.91E-02	1.32E-02	3.15E-03	3.13E-03	3.91
128.1	3.59E-04	1.62E-04	4.22E-05	7.75E-05	2.93E-02	1.33E-02	3.17E-03	3.15E-03	3.90
128.2	3.62E-04	1.63E-04	4.25E-05	7.81E-05	2.95E-02	1.34E-02	3.19E-03	3.17E-03	3.87
128.3	3.65E-04	1.64E-04	4.29E-05	7.87E-05	2.97E-02	1.34E-02	3.21E-03	3.19E-03	3.87
128.4	3.68E-04	1.66E-04	4.32E-05	7.93E-05	2.99E-02	1.35E-02	3.23E-03	3.21E-03	3.86
128.5	3.70E-04	1.67E-04	4.35E-05	8.00E-05	3.01E-02	1.36E-02	3.26E-03	3.24E-03	3.84
128.6	3.73E-04	1.68E-04	4.38E-05	8.06E-05	3.03E-02	1.37E-02	3.28E-03	3.26E-03	3.82
128.7	3.76E-04	1.70E-04	4.42E-05	8.12E-05	3.06E-02	1.38E-02	3.30E-03	3.28E-03	3.80

128.8	3.79E-04	1.71E-04	4.45E-05	8.18E-05	3.08E-02	1.39E-02	3.32E-03	3.30E-03	3.81
128.9	3.82E-04	1.72E-04	4.48E-05	8.25E-05	3.10E-02	1.40E-02	3.35E-03	3.32E-03	3.81
129.0	3.85E-04	1.73E-04	4.52E-05	8.31E-05	3.12E-02	1.41E-02	3.37E-03	3.34E-03	3.78
129.1	3.88E-04	1.75E-04	4.55E-05	8.38E-05	3.14E-02	1.42E-02	3.39E-03	3.37E-03	3.77
129.2	3.91E-04	1.76E-04	4.58E-05	8.44E-05	3.16E-02	1.43E-02	3.41E-03	3.39E-03	3.77
129.3	3.94E-04	1.77E-04	4.62E-05	8.50E-05	3.18E-02	1.44E-02	3.44E-03	3.41E-03	3.75
129.4	3.97E-04	1.79E-04	4.65E-05	8.57E-05	3.20E-02	1.45E-02	3.46E-03	3.43E-03	3.73
129.5	3.99E-04	1.80E-04	4.68E-05	8.63E-05	3.22E-02	1.46E-02	3.48E-03	3.45E-03	3.73
129.6	4.02E-04	1.81E-04	4.72E-05	8.70E-05	3.24E-02	1.47E-02	3.50E-03	3.47E-03	3.71
129.7	4.05E-04	1.83E-04	4.75E-05	8.76E-05	3.26E-02	1.47E-02	3.53E-03	3.50E-03	3.72
129.8	4.08E-04	1.84E-04	4.78E-05	8.83E-05	3.28E-02	1.48E-02	3.55E-03	3.52E-03	3.69
129.9	4.11E-04	1.85E-04	4.82E-05	8.89E-05	3.30E-02	1.49E-02	3.57E-03	3.54E-03	3.68
130.0	4.14E-04	1.87E-04	4.85E-05	8.96E-05	3.32E-02	1.50E-02	3.60E-03	3.56E-03	3.66
130.5	4.29E-04	1.93E-04	5.02E-05	9.29E-05	3.43E-02	1.55E-02	3.71E-03	3.67E-03	3.60
131.0	4.44E-04	2.00E-04	5.19E-05	9.62E-05	3.54E-02	1.60E-02	3.83E-03	3.79E-03	3.52
131.5	4.59E-04	2.07E-04	5.37E-05	9.95E-05	3.64E-02	1.65E-02	3.94E-03	3.90E-03	3.46
132.0	4.75E-04	2.14E-04	5.54E-05	1.03E-04	3.75E-02	1.70E-02	4.06E-03	4.01E-03	3.40
132.5	4.90E-04	2.21E-04	5.71E-05	1.06E-04	3.86E-02	1.75E-02	4.18E-03	4.13E-03	3.35
133.0	5.05E-04	2.27E-04	5.89E-05	1.10E-04	3.97E-02	1.80E-02	4.30E-03	4.24E-03	3.26
133.5	5.21E-04	2.34E-04	6.06E-05	1.13E-04	4.08E-02	1.85E-02	4.43E-03	4.36E-03	3.20
134.0	5.36E-04	2.41E-04	6.24E-05	1.16E-04	4.19E-02	1.90E-02	4.55E-03	4.48E-03	3.14
134.5	5.52E-04	2.48E-04	6.41E-05	1.20E-04	4.30E-02	1.95E-02	4.67E-03	4.59E-03	3.08
135.0	5.67E-04	2.55E-04	6.58E-05	1.23E-04	4.41E-02	2.00E-02	4.79E-03	4.71E-03	3.02
135.5	5.82E-04	2.62E-04	6.76E-05	1.26E-04	4.52E-02	2.05E-02	4.92E-03	4.83E-03	2.93
136.0	5.97E-04	2.68E-04	6.93E-05	1.30E-04	4.64E-02	2.10E-02	5.04E-03	4.95E-03	2.88
136.5	6.12E-04	2.75E-04	7.10E-05	1.33E-04	4.75E-02	2.15E-02	5.16E-03	5.07E-03	2.82
137.0	6.27E-04	2.82E-04	7.26E-05	1.36E-04	4.86E-02	2.20E-02	5.29E-03	5.19E-03	2.74
137.5	6.42E-04	2.88E-04	7.43E-05	1.40E-04	4.97E-02	2.25E-02	5.41E-03	5.31E-03	2.68
138.0	6.56E-04	2.94E-04	7.59E-05	1.43E-04	5.09E-02	2.31E-02	5.54E-03	5.42E-03	2.64
138.5	6.70E-04	3.01E-04	7.75E-05	1.46E-04	5.20E-02	2.36E-02	5.66E-03	5.54E-03	2.55
139.0	6.84E-04	3.07E-04	7.90E-05	1.49E-04	5.31E-02	2.41E-02	5.78E-03	5.66E-03	2.49
139.5	6.97E-04	3.13E-04	8.05E-05	1.52E-04	5.42E-02	2.46E-02	5.91E-03	5.78E-03	2.41
140.0	7.11E-04	3.19E-04	8.20E-05	1.55E-04	5.53E-02	2.51E-02	6.03E-03	5.90E-03	2.36
140.5	7.23E-04	3.25E-04	8.35E-05	1.58E-04	5.65E-02	2.56E-02	6.15E-03	6.02E-03	2.30
141.0	7.36E-04	3.30E-04	8.48E-05	1.60E-04	5.76E-02	2.61E-02	6.28E-03	6.14E-03	2.23
141.5	7.48E-04	3.35E-04	8.62E-05	1.63E-04	5.87E-02	2.66E-02	6.40E-03	6.25E-03	2.18
142.0	7.59E-04	3.41E-04	8.75E-05	1.66E-04	5.98E-02	2.71E-02	6.52E-03	6.37E-03	2.10
142.5	7.71E-04	3.46E-04	8.87E-05	1.68E-04	6.09E-02	2.76E-02	6.64E-03	6.49E-03	2.04
143.0	7.81E-04	3.50E-04	8.99E-05	1.70E-04	6.20E-02	2.81E-02	6.76E-03	6.61E-03	1.98
143.5	7.91E-04	3.55E-04	9.10E-05	1.73E-04	6.31E-02	2.86E-02	6.88E-03	6.72E-03	1.91
144.0	8.00E-04	3.59E-04	9.20E-05	1.75E-04	6.41E-02	2.91E-02	7.00E-03	6.84E-03	1.85
144.5	8.09E-04	3.63E-04	9.29E-05	1.77E-04	6.52E-02	2.96E-02	7.12E-03	6.95E-03	1.80
145.0	8.17E-04	3.66E-04	9.38E-05	1.78E-04	6.63E-02	3.00E-02	7.24E-03	7.07E-03	1.74
145.5	8.24E-04	3.69E-04	9.46E-05	1.80E-04	6.73E-02	3.05E-02	7.36E-03	7.18E-03	1.70
146.0	8.31E-04	3.72E-04	9.53E-05	1.82E-04	6.84E-02	3.10E-02	7.48E-03	7.30E-03	1.62
146.5	8.37E-04	3.75E-04	9.60E-05	1.83E-04	6.95E-02	3.15E-02	7.60E-03	7.41E-03	1.57
147.0	8.41E-04	3.77E-04	9.65E-05	1.84E-04	7.05E-02	3.20E-02	7.72E-03	7.53E-03	1.52
147.5	8.45E-04	3.79E-04	9.69E-05	1.85E-04	7.15E-02	3.24E-02	7.83E-03	7.64E-03	1.47
148.0	8.48E-04	3.80E-04	9.72E-05	1.86E-04	7.26E-02	3.29E-02	7.95E-03	7.75E-03	1.42
148.5	8.50E-04	3.81E-04	9.74E-05	1.86E-04	7.36E-02	3.33E-02	8.06E-03	7.87E-03	1.35

149.0	8.51E-04	3.81E-04	9.75E-05	1.86E-04	7.46E-02	3.38E-02	8.18E-03	7.98E-03	1.30
149.5	8.51E-04	3.81E-04	9.74E-05	1.86E-04	7.57E-02	3.43E-02	8.29E-03	8.09E-03	1.26
150.0	8.50E-04	3.81E-04	9.72E-05	1.86E-04	7.67E-02	3.47E-02	8.41E-03	8.20E-03	1.19
152.0	8.31E-04	3.72E-04	9.50E-05	1.82E-04	8.07E-02	3.65E-02	8.86E-03	8.66E-03	0.99
154.0	7.88E-04	3.53E-04	8.99E-05	1.73E-04	8.48E-02	3.83E-02	9.33E-03	9.12E-03	0.80
156.0	7.11E-04	3.18E-04	8.11E-05	1.56E-04	8.90E-02	4.01E-02	9.81E-03	9.61E-03	0.62
158.0	5.91E-04	2.64E-04	6.73E-05	1.30E-04	9.33E-02	4.19E-02	1.03E-02	1.01E-02	0.44
160.0	4.25E-04	1.90E-04	4.83E-05	9.34E-05	9.79E-02	4.38E-02	1.08E-02	1.07E-02	0.28
162.0	2.89E-04	1.29E-04	3.28E-05	6.35E-05	1.01E-01	4.52E-02	1.12E-02	1.11E-02	0.18
164.0	2.37E-04	1.06E-04	2.69E-05	5.21E-05	1.02E-01	4.57E-02	1.14E-02	1.13E-02	0.14
165.0	2.27E-04	1.02E-04	2.58E-05	5.00E-05	1.03E-01	4.59E-02	1.14E-02	1.13E-02	0.13
166.0	2.23E-04	9.98E-05	2.53E-05	4.92E-05	1.03E-01	4.59E-02	1.14E-02	1.13E-02	0.12
168.0	2.27E-04	1.01E-04	2.57E-05	5.00E-05	1.03E-01	4.60E-02	1.15E-02	1.14E-02	0.11
170.0	2.41E-04	1.08E-04	2.73E-05	5.32E-05	1.03E-01	4.61E-02	1.15E-02	1.14E-02	0.10
172.0	2.66E-04	1.19E-04	3.00E-05	5.87E-05	1.03E-01	4.61E-02	1.15E-02	1.14E-02	0.10
174.0	3.04E-04	1.36E-04	3.42E-05	6.71E-05	1.03E-01	4.61E-02	1.14E-02	1.13E-02	0.09
175.0	3.30E-04	1.47E-04	3.71E-05	7.28E-05	1.03E-01	4.60E-02	1.14E-02	1.13E-02	0.09
176.0	3.61E-04	1.61E-04	4.06E-05	7.98E-05	1.03E-01	4.60E-02	1.14E-02	1.13E-02	0.08
178.0	4.52E-04	2.01E-04	5.07E-05	9.99E-05	1.02E-01	4.58E-02	1.13E-02	1.12E-02	0.09
180.0	6.12E-04	2.73E-04	6.85E-05	1.36E-04	1.01E-01	4.55E-02	1.12E-02	1.10E-02	0.07
182.0	9.14E-04	4.07E-04	1.02E-04	2.03E-04	9.94E-02	4.50E-02	1.10E-02	1.06E-02	0.05
184.0	1.33E-03	5.93E-04	1.49E-04	2.96E-04	9.67E-02	4.42E-02	1.07E-02	1.02E-02	0.04
185.0	1.52E-03	6.78E-04	1.70E-04	3.38E-04	9.55E-02	4.38E-02	1.06E-02	9.94E-03	0.04
186.0	1.69E-03	7.50E-04	1.88E-04	3.75E-04	9.45E-02	4.35E-02	1.05E-02	9.76E-03	0.03
188.0	1.94E-03	8.62E-04	2.16E-04	4.31E-04	9.29E-02	4.30E-02	1.03E-02	9.47E-03	0.03
190.0	2.12E-03	9.44E-04	2.36E-04	4.72E-04	9.18E-02	4.27E-02	1.02E-02	9.26E-03	0.03
192.0	2.26E-03	1.01E-03	2.52E-04	5.03E-04	9.09E-02	4.24E-02	1.01E-02	9.10E-03	0.04
194.0	2.37E-03	1.05E-03	2.64E-04	5.27E-04	9.02E-02	4.22E-02	1.00E-02	8.98E-03	0.03
195.0	2.42E-03	1.08E-03	2.69E-04	5.37E-04	8.99E-02	4.21E-02	9.99E-03	8.92E-03	0.03
196.0	2.46E-03	1.09E-03	2.74E-04	5.46E-04	8.97E-02	4.20E-02	9.96E-03	8.88E-03	0.03
198.0	2.53E-03	1.12E-03	2.81E-04	5.62E-04	8.92E-02	4.19E-02	9.91E-03	8.80E-03	0.03
200.0	2.59E-03	1.15E-03	2.88E-04	5.75E-04	8.89E-02	4.18E-02	9.87E-03	8.73E-03	0.03
202.0	2.64E-03	1.17E-03	2.93E-04	5.86E-04	8.86E-02	4.17E-02	9.84E-03	8.67E-03	0.02
204.0	2.68E-03	1.19E-03	2.98E-04	5.96E-04	8.83E-02	4.16E-02	9.81E-03	8.62E-03	0.03
206.0	2.72E-03	1.21E-03	3.02E-04	6.04E-04	8.81E-02	4.16E-02	9.78E-03	8.58E-03	0.02
208.0	2.75E-03	1.22E-03	3.05E-04	6.11E-04	8.79E-02	4.15E-02	9.76E-03	8.55E-03	0.02
210.0	2.78E-03	1.23E-03	3.08E-04	6.17E-04	8.77E-02	4.14E-02	9.74E-03	8.52E-03	0.02
212.0	2.80E-03	1.24E-03	3.11E-04	6.22E-04	8.76E-02	4.14E-02	9.73E-03	8.49E-03	0.02
214.0	2.82E-03	1.25E-03	3.13E-04	6.27E-04	8.74E-02	4.14E-02	9.71E-03	8.47E-03	0.03
216.0	2.84E-03	1.26E-03	3.16E-04	6.31E-04	8.73E-02	4.13E-02	9.70E-03	8.45E-03	0.02
218.0	2.86E-03	1.27E-03	3.17E-04	6.35E-04	8.72E-02	4.13E-02	9.69E-03	8.43E-03	0.02
220.0	2.87E-03	1.28E-03	3.19E-04	6.38E-04	8.71E-02	4.13E-02	9.68E-03	8.41E-03	0.02
222.0	2.89E-03	1.28E-03	3.21E-04	6.41E-04	8.70E-02	4.12E-02	9.67E-03	8.39E-03	0.03
224.0	2.90E-03	1.29E-03	3.22E-04	6.44E-04	8.70E-02	4.12E-02	9.66E-03	8.38E-03	0.02
226.0	2.91E-03	1.29E-03	3.24E-04	6.47E-04	8.69E-02	4.12E-02	9.65E-03	8.36E-03	0.02
228.0	2.92E-03	1.30E-03	3.25E-04	6.49E-04	8.68E-02	4.12E-02	9.65E-03	8.35E-03	0.03
230.0	2.93E-03	1.30E-03	3.26E-04	6.52E-04	8.68E-02	4.12E-02	9.64E-03	8.34E-03	0.02
232.0	2.94E-03	1.31E-03	3.27E-04	6.54E-04	8.67E-02	4.11E-02	9.63E-03	8.33E-03	0.02
234.0	2.95E-03	1.31E-03	3.28E-04	6.56E-04	8.67E-02	4.11E-02	9.63E-03	8.32E-03	0.02
236.0	2.96E-03	1.32E-03	3.29E-04	6.58E-04	8.66E-02	4.11E-02	9.62E-03	8.31E-03	0.02

238.0	2.97E-03	1.32E-03	3.30E-04	6.59E-04	8.66E-02	4.11E-02	9.62E-03	8.30E-03	0.02
240.0	2.97E-03	1.32E-03	3.31E-04	6.61E-04	8.65E-02	4.11E-02	9.61E-03	8.29E-03	0.02
242.0	2.98E-03	1.32E-03	3.31E-04	6.62E-04	8.65E-02	4.11E-02	9.61E-03	8.29E-03	0.02
244.0	2.99E-03	1.33E-03	3.32E-04	6.64E-04	8.64E-02	4.11E-02	9.60E-03	8.28E-03	0.02
246.0	2.99E-03	1.33E-03	3.33E-04	6.65E-04	8.64E-02	4.10E-02	9.60E-03	8.27E-03	0.02
248.0	3.00E-03	1.33E-03	3.33E-04	6.67E-04	8.64E-02	4.10E-02	9.59E-03	8.27E-03	0.02
250.0	3.01E-03	1.34E-03	3.34E-04	6.68E-04	8.63E-02	4.10E-02	9.59E-03	8.26E-03	0.02
252.0	3.01E-03	1.34E-03	3.35E-04	6.69E-04	8.63E-02	4.10E-02	9.59E-03	8.25E-03	0.02
254.0	3.02E-03	1.34E-03	3.35E-04	6.70E-04	8.62E-02	4.10E-02	9.58E-03	8.25E-03	0.02
256.0	3.02E-03	1.34E-03	3.36E-04	6.71E-04	8.62E-02	4.10E-02	9.58E-03	8.24E-03	0.02
258.0	3.03E-03	1.35E-03	3.37E-04	6.73E-04	8.62E-02	4.10E-02	9.58E-03	8.24E-03	0.02
260.0	3.03E-03	1.35E-03	3.37E-04	6.74E-04	8.62E-02	4.10E-02	9.57E-03	8.23E-03	0.02
262.0	3.04E-03	1.35E-03	3.38E-04	6.75E-04	8.61E-02	4.10E-02	9.57E-03	8.22E-03	0.02
264.0	3.04E-03	1.35E-03	3.38E-04	6.76E-04	8.61E-02	4.10E-02	9.57E-03	8.22E-03	0.02
266.0	3.05E-03	1.35E-03	3.39E-04	6.77E-04	8.61E-02	4.09E-02	9.56E-03	8.21E-03	0.02
268.0	3.05E-03	1.36E-03	3.39E-04	6.78E-04	8.60E-02	4.09E-02	9.56E-03	8.21E-03	0.02
270.0	3.05E-03	1.36E-03	3.40E-04	6.79E-04	8.60E-02	4.09E-02	9.56E-03	8.21E-03	0.02
272.0	3.06E-03	1.36E-03	3.40E-04	6.80E-04	8.60E-02	4.09E-02	9.55E-03	8.20E-03	0.02
274.0	3.06E-03	1.36E-03	3.40E-04	6.80E-04	8.60E-02	4.09E-02	9.55E-03	8.20E-03	0.02
276.0	3.07E-03	1.36E-03	3.41E-04	6.81E-04	8.59E-02	4.09E-02	9.55E-03	8.19E-03	0.02
278.0	3.07E-03	1.36E-03	3.41E-04	6.82E-04	8.59E-02	4.09E-02	9.55E-03	8.19E-03	0.02
280.0	3.07E-03	1.37E-03	3.42E-04	6.83E-04	8.59E-02	4.09E-02	9.54E-03	8.18E-03	0.02
282.0	3.08E-03	1.37E-03	3.42E-04	6.84E-04	8.59E-02	4.09E-02	9.54E-03	8.18E-03	0.02
284.0	3.08E-03	1.37E-03	3.43E-04	6.85E-04	8.59E-02	4.09E-02	9.54E-03	8.18E-03	0.02
286.0	3.08E-03	1.37E-03	3.43E-04	6.85E-04	8.58E-02	4.09E-02	9.54E-03	8.17E-03	0.02
288.0	3.09E-03	1.37E-03	3.43E-04	6.86E-04	8.58E-02	4.09E-02	9.53E-03	8.17E-03	0.02
290.0	3.09E-03	1.37E-03	3.44E-04	6.87E-04	8.58E-02	4.09E-02	9.53E-03	8.16E-03	0.02
292.0	3.09E-03	1.38E-03	3.44E-04	6.87E-04	8.58E-02	4.09E-02	9.53E-03	8.16E-03	0.02
294.0	3.10E-03	1.38E-03	3.44E-04	6.88E-04	8.57E-02	4.09E-02	9.53E-03	8.16E-03	0.03
296.0	3.10E-03	1.38E-03	3.45E-04	6.89E-04	8.57E-02	4.08E-02	9.52E-03	8.15E-03	0.03
298.0	3.10E-03	1.38E-03	3.45E-04	6.89E-04	8.57E-02	4.08E-02	9.52E-03	8.15E-03	0.02
300.0	3.11E-03	1.38E-03	3.45E-04	6.90E-04	8.57E-02	4.08E-02	9.52E-03	8.15E-03	0.03
305.0	3.11E-03	1.38E-03	3.46E-04	6.92E-04	8.56E-02	4.08E-02	9.52E-03	8.14E-03	0.03
310.0	3.12E-03	1.39E-03	3.47E-04	6.93E-04	8.56E-02	4.08E-02	9.51E-03	8.13E-03	0.03
315.0	3.13E-03	1.39E-03	3.48E-04	6.94E-04	8.56E-02	4.08E-02	9.51E-03	8.12E-03	0.04
320.0	3.13E-03	1.39E-03	3.48E-04	6.96E-04	8.55E-02	4.08E-02	9.50E-03	8.11E-03	0.04
325.0	3.14E-03	1.39E-03	3.49E-04	6.97E-04	8.55E-02	4.08E-02	9.49E-03	8.11E-03	0.05
330.0	3.14E-03	1.40E-03	3.49E-04	6.98E-04	8.54E-02	4.07E-02	9.49E-03	8.10E-03	0.06
335.0	3.14E-03	1.40E-03	3.50E-04	6.99E-04	8.54E-02	4.07E-02	9.48E-03	8.09E-03	0.09
340.0	3.15E-03	1.40E-03	3.50E-04	6.99E-04	8.53E-02	4.07E-02	9.48E-03	8.08E-03	0.27
345.0	3.14E-03	1.40E-03	3.49E-04	6.98E-04	8.51E-02	4.06E-02	9.45E-03	8.06E-03	1.37
350.0	3.11E-03	1.38E-03	3.45E-04	6.90E-04	8.40E-02	4.01E-02	9.33E-03	7.96E-03	2.06
360.0	3.00E-03	1.33E-03	3.34E-04	6.67E-04	8.09E-02	3.86E-02	8.99E-03	7.66E-03	2.29
370.0	2.91E-03	1.29E-03	3.23E-04	6.46E-04	7.82E-02	3.73E-02	8.68E-03	7.40E-03	2.33
380.0	2.83E-03	1.26E-03	3.15E-04	6.29E-04	7.59E-02	3.62E-02	8.43E-03	7.18E-03	2.24
390.0	2.77E-03	1.23E-03	3.08E-04	6.16E-04	7.40E-02	3.54E-02	8.23E-03	7.00E-03	2.14
400.0	2.73E-03	1.21E-03	3.03E-04	6.06E-04	7.26E-02	3.47E-02	8.06E-03	6.86E-03	2.01
420.0	2.67E-03	1.19E-03	2.96E-04	5.93E-04	7.06E-02	3.37E-02	7.84E-03	6.66E-03	1.79
440.0	2.64E-03	1.17E-03	2.93E-04	5.86E-04	6.94E-02	3.32E-02	7.71E-03	6.54E-03	1.59
450.0	2.63E-03	1.17E-03	2.92E-04	5.85E-04	6.90E-02	3.30E-02	7.67E-03	6.50E-03	1.51

460.0	2.63E-03	1.17E-03	2.92E-04	5.84E-04	6.88E-02	3.29E-02	7.64E-03	6.48E-03	1.41
480.0	2.63E-03	1.17E-03	2.93E-04	5.85E-04	6.85E-02	3.28E-02	7.61E-03	6.45E-03	1.27
500.0	2.65E-03	1.18E-03	2.94E-04	5.88E-04	6.85E-02	3.28E-02	7.61E-03	6.44E-03	1.39
520.0	2.67E-03	1.18E-03	2.96E-04	5.92E-04	6.87E-02	3.29E-02	7.64E-03	6.46E-03	1.44
540.0	2.69E-03	1.19E-03	2.99E-04	5.97E-04	6.90E-02	3.31E-02	7.67E-03	6.48E-03	1.53
550.0	2.70E-03	1.20E-03	3.00E-04	6.00E-04	6.92E-02	3.32E-02	7.69E-03	6.50E-03	1.56
560.0	2.71E-03	1.21E-03	3.01E-04	6.03E-04	6.94E-02	3.33E-02	7.71E-03	6.51E-03	1.60
580.0	2.74E-03	1.22E-03	3.04E-04	6.09E-04	6.99E-02	3.35E-02	7.76E-03	6.55E-03	1.65
600.0	2.77E-03	1.23E-03	3.07E-04	6.15E-04	7.03E-02	3.37E-02	7.82E-03	6.59E-03	1.69
620.0	2.79E-03	1.24E-03	3.10E-04	6.21E-04	7.08E-02	3.40E-02	7.87E-03	6.64E-03	1.75
640.0	2.82E-03	1.25E-03	3.13E-04	6.27E-04	7.14E-02	3.42E-02	7.93E-03	6.68E-03	1.77
650.0	2.83E-03	1.26E-03	3.15E-04	6.29E-04	7.16E-02	3.43E-02	7.96E-03	6.71E-03	1.78
660.0	2.85E-03	1.26E-03	3.16E-04	6.32E-04	7.19E-02	3.45E-02	7.99E-03	6.73E-03	1.81
680.0	2.87E-03	1.28E-03	3.19E-04	6.38E-04	7.24E-02	3.47E-02	8.04E-03	6.77E-03	1.84
700.0	2.90E-03	1.29E-03	3.22E-04	6.44E-04	7.29E-02	3.50E-02	8.10E-03	6.82E-03	1.87
720.0	2.92E-03	1.30E-03	3.24E-04	6.49E-04	7.34E-02	3.52E-02	8.16E-03	6.86E-03	1.92
740.0	2.94E-03	1.31E-03	3.27E-04	6.54E-04	7.39E-02	3.54E-02	8.21E-03	6.91E-03	1.94
750.0	2.95E-03	1.31E-03	3.28E-04	6.57E-04	7.41E-02	3.56E-02	8.24E-03	6.93E-03	1.96
760.0	2.97E-03	1.32E-03	3.30E-04	6.59E-04	7.44E-02	3.57E-02	8.26E-03	6.95E-03	1.98
780.0	2.99E-03	1.33E-03	3.32E-04	6.64E-04	7.48E-02	3.59E-02	8.32E-03	6.99E-03	2.02
800.0	3.01E-03	1.34E-03	3.34E-04	6.69E-04	7.53E-02	3.61E-02	8.37E-03	7.04E-03	2.07
820.0	3.03E-03	1.35E-03	3.37E-04	6.73E-04	7.57E-02	3.63E-02	8.42E-03	7.08E-03	2.11
840.0	3.05E-03	1.36E-03	3.39E-04	6.78E-04	7.62E-02	3.65E-02	8.46E-03	7.12E-03	2.15
850.0	3.06E-03	1.36E-03	3.40E-04	6.80E-04	7.64E-02	3.67E-02	8.49E-03	7.13E-03	2.17
860.0	3.07E-03	1.36E-03	3.41E-04	6.82E-04	7.66E-02	3.67E-02	8.51E-03	7.15E-03	2.20
880.0	3.09E-03	1.37E-03	3.43E-04	6.86E-04	7.70E-02	3.69E-02	8.55E-03	7.19E-03	2.25
900.0	3.10E-03	1.38E-03	3.45E-04	6.89E-04	7.74E-02	3.71E-02	8.60E-03	7.23E-03	2.29
920.0	3.12E-03	1.39E-03	3.47E-04	6.93E-04	7.78E-02	3.73E-02	8.64E-03	7.26E-03	2.34
940.0	3.14E-03	1.39E-03	3.48E-04	6.97E-04	7.81E-02	3.75E-02	8.68E-03	7.29E-03	2.39
950.0	3.14E-03	1.40E-03	3.49E-04	6.98E-04	7.83E-02	3.76E-02	8.70E-03	7.31E-03	2.42
960.0	3.15E-03	1.40E-03	3.50E-04	7.00E-04	7.85E-02	3.77E-02	8.72E-03	7.33E-03	2.45
980.0	3.17E-03	1.41E-03	3.52E-04	7.04E-04	7.88E-02	3.78E-02	8.76E-03	7.36E-03	2.50
1000.0	3.18E-03	1.41E-03	3.53E-04	7.07E-04	7.91E-02	3.80E-02	8.80E-03	7.39E-03	2.55

H

- : any type of neutrino.
- Uncertainties can be assigned from corresponding ones in H ZZ*.

m_H (GeV)	H
125.0	1.13E-03
125.5	1.18E-03
126.0	1.23E-03

H llqq, l qq, qq, qqqq, ffff

- (*) Please note that the charge conjugate state is not included for H l⁺ l⁻ qq.

m_H (GeV)	H l ⁺ l ⁻ qq	H l ⁺ l ⁻ qq	H l ⁺ l ⁻ qq (*)	H l ⁺ l ⁻ qq	H qqqq	H ffff	ΔBR
	l=e, μ or ν , q=udcsb	l=e or μ , q=udcsb	l=e or μ , q=udcsb	=any, q=udcsb	q=udcsb	f=any type of fermion	[%]

80.0	2.35E-05	1.57E-05	9.20E-05	4.71E-05	3.23E-04	7.43E-04	5.89
81.0	2.58E-05	1.72E-05	1.02E-04	5.17E-05	3.59E-04	8.24E-04	5.86
82.0	2.83E-05	1.89E-05	1.13E-04	5.67E-05	3.99E-04	9.15E-04	5.89
83.0	3.10E-05	2.07E-05	1.26E-04	6.22E-05	4.44E-04	1.02E-03	5.85
84.0	3.40E-05	2.27E-05	1.41E-04	6.82E-05	4.96E-04	1.13E-03	5.89
85.0	3.73E-05	2.49E-05	1.58E-04	7.47E-05	5.54E-04	1.26E-03	5.85
86.0	4.08E-05	2.72E-05	1.77E-04	8.19E-05	6.22E-04	1.42E-03	5.88
87.0	4.47E-05	2.98E-05	2.00E-04	8.97E-05	7.03E-04	1.60E-03	5.85
88.0	4.89E-05	3.26E-05	2.28E-04	9.82E-05	7.98E-04	1.81E-03	5.88
89.0	5.37E-05	3.58E-05	2.62E-04	1.08E-04	9.13E-04	2.07E-03	5.81
90.0	5.87E-05	3.91E-05	3.03E-04	1.18E-04	1.05E-03	2.37E-03	5.85
91.0	6.43E-05	4.29E-05	3.53E-04	1.29E-04	1.22E-03	2.75E-03	5.81
92.0	7.04E-05	4.69E-05	4.14E-04	1.41E-04	1.42E-03	3.20E-03	5.85
93.0	7.72E-05	5.15E-05	4.88E-04	1.55E-04	1.67E-03	3.74E-03	5.85
94.0	8.47E-05	5.65E-05	5.77E-04	1.70E-04	1.96E-03	4.39E-03	5.85
95.0	9.31E-05	6.21E-05	6.85E-04	1.87E-04	2.32E-03	5.17E-03	5.80
96.0	1.03E-04	6.84E-05	8.14E-04	2.06E-04	2.74E-03	6.11E-03	5.80
97.0	1.13E-04	7.55E-05	9.66E-04	2.27E-04	3.24E-03	7.21E-03	5.80
98.0	1.26E-04	8.37E-05	1.15E-03	2.52E-04	3.83E-03	8.52E-03	5.75
99.0	1.40E-04	9.33E-05	1.36E-03	2.81E-04	4.53E-03	1.01E-02	5.78
100.0	1.57E-04	1.04E-04	1.61E-03	3.14E-04	5.34E-03	1.18E-02	5.73
101.0	1.76E-04	1.17E-04	1.89E-03	3.53E-04	6.28E-03	1.39E-02	5.69
102.0	1.99E-04	1.33E-04	2.22E-03	4.00E-04	7.37E-03	1.63E-02	5.67
103.0	2.27E-04	1.51E-04	2.60E-03	4.54E-04	8.62E-03	1.91E-02	5.67
104.0	2.59E-04	1.73E-04	3.03E-03	5.19E-04	1.01E-02	2.22E-02	5.70
105.0	2.97E-04	1.98E-04	3.52E-03	5.95E-04	1.17E-02	2.58E-02	5.59
106.0	3.41E-04	2.28E-04	4.07E-03	6.84E-04	1.35E-02	2.99E-02	5.59
107.0	3.94E-04	2.62E-04	4.69E-03	7.88E-04	1.56E-02	3.44E-02	5.54
108.0	4.54E-04	3.03E-04	5.38E-03	9.09E-04	1.79E-02	3.95E-02	5.52
109.0	5.25E-04	3.50E-04	6.14E-03	1.05E-03	2.05E-02	4.52E-02	5.51
110.0	6.06E-04	4.04E-04	6.99E-03	1.21E-03	2.34E-02	5.15E-02	5.44
110.5	6.50E-04	4.34E-04	7.44E-03	1.30E-03	2.50E-02	5.49E-02	5.45
111.0	6.98E-04	4.66E-04	7.92E-03	1.40E-03	2.66E-02	5.85E-02	5.37
111.5	7.50E-04	5.00E-04	8.42E-03	1.50E-03	2.83E-02	6.23E-02	5.35
112.0	8.04E-04	5.36E-04	8.94E-03	1.61E-03	3.01E-02	6.62E-02	5.35
112.5	8.62E-04	5.75E-04	9.48E-03	1.72E-03	3.20E-02	7.03E-02	5.31
113.0	9.23E-04	6.16E-04	1.01E-02	1.85E-03	3.40E-02	7.46E-02	5.26
113.5	9.89E-04	6.59E-04	1.06E-02	1.98E-03	3.60E-02	7.91E-02	5.28
114.0	1.06E-03	7.05E-04	1.13E-02	2.11E-03	3.81E-02	8.38E-02	5.21
114.5	1.13E-03	7.54E-04	1.19E-02	2.26E-03	4.04E-02	8.87E-02	5.20
115.0	1.21E-03	8.05E-04	1.26E-02	2.41E-03	4.27E-02	9.38E-02	5.17
115.5	1.29E-03	8.59E-04	1.33E-02	2.58E-03	4.51E-02	9.90E-02	5.14
116.0	1.37E-03	9.16E-04	1.40E-02	2.75E-03	4.76E-02	1.05E-01	5.09
116.5	1.46E-03	9.76E-04	1.47E-02	2.93E-03	5.03E-02	1.10E-01	5.05
117.0	1.56E-03	1.04E-03	1.55E-02	3.11E-03	5.30E-02	1.16E-01	5.04
117.5	1.66E-03	1.10E-03	1.63E-02	3.31E-03	5.58E-02	1.22E-01	5.01
118.0	1.76E-03	1.17E-03	1.71E-02	3.52E-03	5.87E-02	1.29E-01	4.95
118.5	1.87E-03	1.25E-03	1.80E-02	3.73E-03	6.17E-02	1.35E-01	4.91
119.0	1.98E-03	1.32E-03	1.89E-02	3.96E-03	6.48E-02	1.42E-01	4.85
119.5	2.10E-03	1.40E-03	1.98E-02	4.19E-03	6.80E-02	1.49E-01	4.83

120.0	2.22E-03	1.48E-03	2.07E-02	4.44E-03	7.13E-02	1.56E-01	4.76
120.1	2.25E-03	1.50E-03	2.09E-02	4.49E-03	7.19E-02	1.58E-01	4.77
120.2	2.27E-03	1.51E-03	2.11E-02	4.54E-03	7.26E-02	1.59E-01	4.74
120.3	2.30E-03	1.53E-03	2.13E-02	4.59E-03	7.33E-02	1.61E-01	4.75
120.4	2.32E-03	1.55E-03	2.15E-02	4.64E-03	7.40E-02	1.62E-01	4.74
120.5	2.35E-03	1.57E-03	2.16E-02	4.69E-03	7.47E-02	1.64E-01	4.72
120.6	2.38E-03	1.58E-03	2.18E-02	4.74E-03	7.54E-02	1.65E-01	4.71
120.7	2.40E-03	1.60E-03	2.20E-02	4.79E-03	7.61E-02	1.67E-01	4.71
120.8	2.43E-03	1.62E-03	2.22E-02	4.84E-03	7.68E-02	1.68E-01	4.73
120.9	2.45E-03	1.64E-03	2.24E-02	4.90E-03	7.75E-02	1.70E-01	4.69
121.0	2.48E-03	1.65E-03	2.26E-02	4.95E-03	7.82E-02	1.71E-01	4.66
121.1	2.51E-03	1.67E-03	2.28E-02	5.00E-03	7.89E-02	1.73E-01	4.66
121.2	2.53E-03	1.69E-03	2.30E-02	5.06E-03	7.96E-02	1.74E-01	4.64
121.3	2.56E-03	1.71E-03	2.32E-02	5.11E-03	8.03E-02	1.76E-01	4.64
121.4	2.59E-03	1.73E-03	2.34E-02	5.17E-03	8.10E-02	1.77E-01	4.66
121.5	2.62E-03	1.74E-03	2.36E-02	5.22E-03	8.18E-02	1.79E-01	4.64
121.6	2.64E-03	1.76E-03	2.39E-02	5.28E-03	8.25E-02	1.81E-01	4.60
121.7	2.67E-03	1.78E-03	2.41E-02	5.34E-03	8.32E-02	1.82E-01	4.61
121.8	2.70E-03	1.80E-03	2.43E-02	5.39E-03	8.40E-02	1.84E-01	4.59
121.9	2.73E-03	1.82E-03	2.45E-02	5.45E-03	8.47E-02	1.86E-01	4.59
122.0	2.76E-03	1.84E-03	2.47E-02	5.50E-03	8.55E-02	1.87E-01	4.58
122.1	2.79E-03	1.86E-03	2.49E-02	5.56E-03	8.62E-02	1.89E-01	4.58
122.2	2.82E-03	1.88E-03	2.51E-02	5.62E-03	8.70E-02	1.90E-01	4.57
122.3	2.84E-03	1.90E-03	2.53E-02	5.68E-03	8.77E-02	1.92E-01	4.56
122.4	2.87E-03	1.92E-03	2.55E-02	5.74E-03	8.85E-02	1.94E-01	4.54
122.5	2.90E-03	1.94E-03	2.57E-02	5.80E-03	8.92E-02	1.95E-01	4.52
122.6	2.93E-03	1.96E-03	2.60E-02	5.85E-03	9.00E-02	1.97E-01	4.51
122.7	2.96E-03	1.98E-03	2.62E-02	5.91E-03	9.08E-02	1.99E-01	4.52
122.8	2.99E-03	2.00E-03	2.64E-02	5.97E-03	9.16E-02	2.00E-01	4.49
122.9	3.02E-03	2.02E-03	2.66E-02	6.03E-03	9.23E-02	2.02E-01	4.49
123.0	3.06E-03	2.04E-03	2.68E-02	6.10E-03	9.31E-02	2.04E-01	4.46
123.1	3.09E-03	2.06E-03	2.70E-02	6.16E-03	9.39E-02	2.06E-01	4.46
123.2	3.12E-03	2.08E-03	2.73E-02	6.22E-03	9.47E-02	2.07E-01	4.46
123.3	3.15E-03	2.10E-03	2.75E-02	6.28E-03	9.55E-02	2.09E-01	4.48
123.4	3.18E-03	2.12E-03	2.77E-02	6.34E-03	9.63E-02	2.11E-01	4.45
123.5	3.21E-03	2.14E-03	2.79E-02	6.40E-03	9.71E-02	2.13E-01	4.42
123.6	3.24E-03	2.16E-03	2.82E-02	6.47E-03	9.79E-02	2.14E-01	4.41
123.7	3.27E-03	2.18E-03	2.84E-02	6.53E-03	9.87E-02	2.16E-01	4.38
123.8	3.30E-03	2.20E-03	2.86E-02	6.59E-03	9.95E-02	2.18E-01	4.41
123.9	3.34E-03	2.22E-03	2.88E-02	6.66E-03	1.00E-01	2.20E-01	4.37
124.0	3.37E-03	2.25E-03	2.91E-02	6.72E-03	1.01E-01	2.21E-01	4.39
124.1	3.40E-03	2.27E-03	2.93E-02	6.79E-03	1.02E-01	2.23E-01	4.36
124.2	3.43E-03	2.29E-03	2.95E-02	6.85E-03	1.03E-01	2.25E-01	4.32
124.3	3.47E-03	2.31E-03	2.98E-02	6.92E-03	1.04E-01	2.27E-01	4.35
124.4	3.50E-03	2.33E-03	3.00E-02	6.98E-03	1.04E-01	2.29E-01	4.34
124.5	3.53E-03	2.36E-03	3.02E-02	7.05E-03	1.05E-01	2.30E-01	4.32
124.6	3.57E-03	2.38E-03	3.05E-02	7.11E-03	1.06E-01	2.32E-01	4.32
124.7	3.60E-03	2.40E-03	3.07E-02	7.18E-03	1.07E-01	2.34E-01	4.30
124.8	3.63E-03	2.42E-03	3.09E-02	7.25E-03	1.08E-01	2.36E-01	4.28
124.9	3.67E-03	2.44E-03	3.12E-02	7.31E-03	1.09E-01	2.38E-01	4.27

125.0	3.70E-03	2.47E-03	3.14E-02	7.38E-03	1.10E-01	2.40E-01	4.28
125.1	3.74E-03	2.49E-03	3.17E-02	7.45E-03	1.10E-01	2.42E-01	4.24
125.2	3.77E-03	2.51E-03	3.19E-02	7.52E-03	1.11E-01	2.43E-01	4.23
125.3	3.80E-03	2.54E-03	3.21E-02	7.59E-03	1.12E-01	2.45E-01	4.22
125.4	3.84E-03	2.56E-03	3.24E-02	7.66E-03	1.13E-01	2.47E-01	4.21
125.5	3.87E-03	2.58E-03	3.26E-02	7.73E-03	1.14E-01	2.49E-01	4.22
125.6	3.91E-03	2.61E-03	3.29E-02	7.80E-03	1.15E-01	2.51E-01	4.18
125.7	3.94E-03	2.63E-03	3.31E-02	7.87E-03	1.16E-01	2.53E-01	4.18
125.8	3.98E-03	2.65E-03	3.34E-02	7.94E-03	1.16E-01	2.55E-01	4.15
125.9	4.02E-03	2.68E-03	3.36E-02	8.01E-03	1.17E-01	2.57E-01	4.15
126.0	4.05E-03	2.70E-03	3.38E-02	8.08E-03	1.18E-01	2.59E-01	4.14
126.1	4.09E-03	2.72E-03	3.41E-02	8.15E-03	1.19E-01	2.61E-01	4.15
126.2	4.12E-03	2.75E-03	3.43E-02	8.22E-03	1.20E-01	2.63E-01	4.14
126.3	4.16E-03	2.77E-03	3.46E-02	8.29E-03	1.21E-01	2.65E-01	4.12
126.4	4.19E-03	2.80E-03	3.48E-02	8.36E-03	1.22E-01	2.66E-01	4.11
126.5	4.23E-03	2.82E-03	3.51E-02	8.44E-03	1.23E-01	2.68E-01	4.09
126.6	4.27E-03	2.85E-03	3.53E-02	8.51E-03	1.24E-01	2.70E-01	4.07
126.7	4.30E-03	2.87E-03	3.56E-02	8.58E-03	1.25E-01	2.72E-01	4.07
126.8	4.34E-03	2.89E-03	3.58E-02	8.66E-03	1.25E-01	2.74E-01	4.06
126.9	4.38E-03	2.92E-03	3.61E-02	8.73E-03	1.26E-01	2.76E-01	4.03
127.0	4.42E-03	2.94E-03	3.64E-02	8.81E-03	1.27E-01	2.78E-01	4.03
127.1	4.45E-03	2.97E-03	3.66E-02	8.88E-03	1.28E-01	2.80E-01	4.01
127.2	4.49E-03	2.99E-03	3.69E-02	8.95E-03	1.29E-01	2.82E-01	4.01
127.3	4.53E-03	3.02E-03	3.71E-02	9.03E-03	1.30E-01	2.84E-01	4.01
127.4	4.56E-03	3.04E-03	3.74E-02	9.10E-03	1.31E-01	2.86E-01	3.98
127.5	4.60E-03	3.07E-03	3.76E-02	9.18E-03	1.32E-01	2.89E-01	3.99
127.6	4.64E-03	3.09E-03	3.79E-02	9.25E-03	1.33E-01	2.91E-01	3.97
127.7	4.68E-03	3.12E-03	3.82E-02	9.33E-03	1.34E-01	2.93E-01	3.93
127.8	4.72E-03	3.14E-03	3.84E-02	9.40E-03	1.35E-01	2.95E-01	3.95
127.9	4.75E-03	3.17E-03	3.87E-02	9.48E-03	1.36E-01	2.97E-01	3.94
128.0	4.79E-03	3.20E-03	3.89E-02	9.56E-03	1.37E-01	2.99E-01	3.91
128.1	4.83E-03	3.22E-03	3.92E-02	9.63E-03	1.38E-01	3.01E-01	3.90
128.2	4.87E-03	3.25E-03	3.95E-02	9.71E-03	1.39E-01	3.03E-01	3.87
128.3	4.91E-03	3.27E-03	3.97E-02	9.79E-03	1.39E-01	3.05E-01	3.87
128.4	4.95E-03	3.30E-03	4.00E-02	9.86E-03	1.40E-01	3.07E-01	3.86
128.5	4.99E-03	3.32E-03	4.03E-02	9.94E-03	1.41E-01	3.09E-01	3.84
128.6	5.03E-03	3.35E-03	4.05E-02	1.00E-02	1.42E-01	3.11E-01	3.82
128.7	5.07E-03	3.38E-03	4.08E-02	1.01E-02	1.43E-01	3.13E-01	3.80
128.8	5.11E-03	3.40E-03	4.11E-02	1.02E-02	1.44E-01	3.15E-01	3.81
128.9	5.14E-03	3.43E-03	4.13E-02	1.03E-02	1.45E-01	3.18E-01	3.81
129.0	5.18E-03	3.46E-03	4.16E-02	1.03E-02	1.46E-01	3.20E-01	3.78
129.1	5.22E-03	3.48E-03	4.19E-02	1.04E-02	1.47E-01	3.22E-01	3.77
129.2	5.26E-03	3.51E-03	4.21E-02	1.05E-02	1.48E-01	3.24E-01	3.77
129.3	5.30E-03	3.54E-03	4.24E-02	1.06E-02	1.49E-01	3.26E-01	3.75
129.4	5.34E-03	3.56E-03	4.27E-02	1.07E-02	1.50E-01	3.28E-01	3.73
129.5	5.38E-03	3.59E-03	4.30E-02	1.07E-02	1.51E-01	3.30E-01	3.73
129.6	5.42E-03	3.62E-03	4.32E-02	1.08E-02	1.52E-01	3.32E-01	3.71
129.7	5.46E-03	3.64E-03	4.35E-02	1.09E-02	1.53E-01	3.35E-01	3.72
129.8	5.51E-03	3.67E-03	4.38E-02	1.10E-02	1.54E-01	3.37E-01	3.69
129.9	5.55E-03	3.70E-03	4.41E-02	1.11E-02	1.55E-01	3.39E-01	3.68

130.0	5.59E-03	3.72E-03	4.43E-02	1.11E-02	1.56E-01	3.41E-01	3.66
130.5	5.79E-03	3.86E-03	4.57E-02	1.15E-02	1.61E-01	3.52E-01	3.60
131.0	6.00E-03	4.00E-03	4.71E-02	1.20E-02	1.66E-01	3.63E-01	3.52
131.5	6.21E-03	4.14E-03	4.85E-02	1.24E-02	1.71E-01	3.74E-01	3.46
132.0	6.41E-03	4.28E-03	4.99E-02	1.28E-02	1.76E-01	3.85E-01	3.40
132.5	6.62E-03	4.42E-03	5.14E-02	1.32E-02	1.81E-01	3.96E-01	3.35
133.0	6.83E-03	4.56E-03	5.28E-02	1.36E-02	1.87E-01	4.08E-01	3.26
133.5	7.05E-03	4.70E-03	5.42E-02	1.40E-02	1.92E-01	4.19E-01	3.20
134.0	7.26E-03	4.84E-03	5.57E-02	1.45E-02	1.97E-01	4.31E-01	3.14
134.5	7.47E-03	4.98E-03	5.72E-02	1.49E-02	2.02E-01	4.42E-01	3.08
135.0	7.68E-03	5.12E-03	5.86E-02	1.53E-02	2.08E-01	4.53E-01	3.02
135.5	7.89E-03	5.26E-03	6.01E-02	1.57E-02	2.13E-01	4.65E-01	2.93
136.0	8.09E-03	5.39E-03	6.16E-02	1.61E-02	2.18E-01	4.76E-01	2.88
136.5	8.30E-03	5.53E-03	6.30E-02	1.65E-02	2.23E-01	4.88E-01	2.82
137.0	8.50E-03	5.67E-03	6.45E-02	1.69E-02	2.29E-01	4.99E-01	2.74
137.5	8.70E-03	5.80E-03	6.60E-02	1.73E-02	2.34E-01	5.11E-01	2.68
138.0	8.90E-03	5.93E-03	6.75E-02	1.77E-02	2.39E-01	5.22E-01	2.64
138.5	9.10E-03	6.06E-03	6.90E-02	1.81E-02	2.45E-01	5.34E-01	2.55
139.0	9.29E-03	6.19E-03	7.04E-02	1.85E-02	2.50E-01	5.45E-01	2.49
139.5	9.47E-03	6.31E-03	7.19E-02	1.89E-02	2.55E-01	5.57E-01	2.41
140.0	9.65E-03	6.44E-03	7.34E-02	1.92E-02	2.60E-01	5.68E-01	2.36
140.5	9.83E-03	6.55E-03	7.49E-02	1.96E-02	2.65E-01	5.79E-01	2.30
141.0	1.00E-02	6.67E-03	7.63E-02	1.99E-02	2.70E-01	5.91E-01	2.23
141.5	1.02E-02	6.78E-03	7.78E-02	2.02E-02	2.76E-01	6.02E-01	2.18
142.0	1.03E-02	6.89E-03	7.92E-02	2.06E-02	2.81E-01	6.13E-01	2.10
142.5	1.05E-02	6.99E-03	8.07E-02	2.09E-02	2.86E-01	6.24E-01	2.04
143.0	1.06E-02	7.08E-03	8.21E-02	2.11E-02	2.91E-01	6.35E-01	1.98
143.5	1.08E-02	7.18E-03	8.36E-02	2.14E-02	2.96E-01	6.46E-01	1.91
144.0	1.09E-02	7.26E-03	8.50E-02	2.17E-02	3.00E-01	6.56E-01	1.85
144.5	1.10E-02	7.34E-03	8.65E-02	2.19E-02	3.05E-01	6.67E-01	1.80
145.0	1.11E-02	7.42E-03	8.79E-02	2.21E-02	3.10E-01	6.77E-01	1.74
145.5	1.12E-02	7.48E-03	8.93E-02	2.23E-02	3.15E-01	6.88E-01	1.70
146.0	1.13E-02	7.55E-03	9.07E-02	2.25E-02	3.20E-01	6.98E-01	1.62
146.5	1.14E-02	7.60E-03	9.21E-02	2.27E-02	3.24E-01	7.09E-01	1.57
147.0	1.15E-02	7.65E-03	9.36E-02	2.28E-02	3.29E-01	7.19E-01	1.52
147.5	1.15E-02	7.68E-03	9.50E-02	2.29E-02	3.34E-01	7.29E-01	1.47
148.0	1.16E-02	7.71E-03	9.64E-02	2.30E-02	3.38E-01	7.39E-01	1.42
148.5	1.16E-02	7.73E-03	9.78E-02	2.31E-02	3.42E-01	7.48E-01	1.35
149.0	1.16E-02	7.74E-03	9.92E-02	2.31E-02	3.47E-01	7.58E-01	1.30
149.5	1.16E-02	7.74E-03	1.01E-01	2.31E-02	3.51E-01	7.68E-01	1.26
150.0	1.16E-02	7.73E-03	1.02E-01	2.31E-02	3.56E-01	7.77E-01	1.19
152.0	1.14E-02	7.57E-03	1.08E-01	2.26E-02	3.72E-01	8.14E-01	0.99
154.0	1.08E-02	7.18E-03	1.13E-01	2.14E-02	3.88E-01	8.49E-01	0.80
156.0	9.73E-03	6.49E-03	1.19E-01	1.94E-02	4.04E-01	8.84E-01	0.62
158.0	8.09E-03	5.39E-03	1.26E-01	1.61E-02	4.18E-01	9.17E-01	0.44
160.0	5.83E-03	3.88E-03	1.33E-01	1.16E-02	4.32E-01	9.49E-01	0.28
162.0	3.96E-03	2.64E-03	1.38E-01	7.88E-03	4.42E-01	9.70E-01	0.18
164.0	3.25E-03	2.17E-03	1.40E-01	6.47E-03	4.46E-01	9.79E-01	0.14
165.0	3.12E-03	2.08E-03	1.41E-01	6.21E-03	4.47E-01	9.82E-01	0.13
166.0	3.07E-03	2.04E-03	1.41E-01	6.11E-03	4.48E-01	9.84E-01	0.12

168.0	3.12E-03	2.08E-03	1.41E-01	6.21E-03	4.49E-01	9.86E-01	0.11
170.0	3.32E-03	2.21E-03	1.41E-01	6.61E-03	4.50E-01	9.88E-01	0.10
172.0	3.67E-03	2.44E-03	1.41E-01	7.30E-03	4.50E-01	9.89E-01	0.10
174.0	4.19E-03	2.79E-03	1.41E-01	8.34E-03	4.51E-01	9.90E-01	0.09
175.0	4.54E-03	3.03E-03	1.40E-01	9.04E-03	4.51E-01	9.90E-01	0.09
176.0	4.98E-03	3.32E-03	1.40E-01	9.92E-03	4.51E-01	9.91E-01	0.08
178.0	6.24E-03	4.16E-03	1.39E-01	1.24E-02	4.52E-01	9.91E-01	0.09
180.0	8.47E-03	5.65E-03	1.37E-01	1.69E-02	4.53E-01	9.92E-01	0.07
182.0	1.27E-02	8.44E-03	1.32E-01	2.52E-02	4.54E-01	9.93E-01	0.05
184.0	1.85E-02	1.23E-02	1.26E-01	3.69E-02	4.56E-01	9.93E-01	0.04
185.0	2.11E-02	1.41E-02	1.24E-01	4.21E-02	4.57E-01	9.94E-01	0.04
186.0	2.34E-02	1.56E-02	1.21E-01	4.66E-02	4.57E-01	9.94E-01	0.03
188.0	2.69E-02	1.79E-02	1.18E-01	5.36E-02	4.58E-01	9.94E-01	0.03
190.0	2.95E-02	1.97E-02	1.15E-01	5.87E-02	4.59E-01	9.95E-01	0.03
192.0	3.14E-02	2.09E-02	1.13E-01	6.26E-02	4.60E-01	9.95E-01	0.04
194.0	3.29E-02	2.20E-02	1.12E-01	6.56E-02	4.60E-01	9.95E-01	0.03
195.0	3.36E-02	2.24E-02	1.11E-01	6.69E-02	4.60E-01	9.96E-01	0.03
196.0	3.42E-02	2.28E-02	1.10E-01	6.80E-02	4.61E-01	9.96E-01	0.03
198.0	3.51E-02	2.34E-02	1.09E-01	7.00E-02	4.61E-01	9.96E-01	0.03
200.0	3.60E-02	2.40E-02	1.08E-01	7.16E-02	4.61E-01	9.96E-01	0.03
202.0	3.67E-02	2.44E-02	1.08E-01	7.30E-02	4.61E-01	9.96E-01	0.02
204.0	3.72E-02	2.48E-02	1.07E-01	7.42E-02	4.62E-01	9.96E-01	0.03
206.0	3.77E-02	2.52E-02	1.07E-01	7.52E-02	4.62E-01	9.96E-01	0.02
208.0	3.82E-02	2.55E-02	1.06E-01	7.61E-02	4.62E-01	9.97E-01	0.02
210.0	3.86E-02	2.57E-02	1.06E-01	7.68E-02	4.62E-01	9.97E-01	0.02
212.0	3.89E-02	2.59E-02	1.06E-01	7.75E-02	4.62E-01	9.97E-01	0.02
214.0	3.92E-02	2.61E-02	1.05E-01	7.81E-02	4.62E-01	9.97E-01	0.03
216.0	3.95E-02	2.63E-02	1.05E-01	7.86E-02	4.63E-01	9.97E-01	0.02
218.0	3.97E-02	2.65E-02	1.05E-01	7.91E-02	4.63E-01	9.97E-01	0.02
220.0	3.99E-02	2.66E-02	1.05E-01	7.95E-02	4.63E-01	9.97E-01	0.02
222.0	4.01E-02	2.67E-02	1.04E-01	7.99E-02	4.63E-01	9.97E-01	0.03
224.0	4.03E-02	2.69E-02	1.04E-01	8.02E-02	4.63E-01	9.97E-01	0.02
226.0	4.04E-02	2.70E-02	1.04E-01	8.06E-02	4.63E-01	9.97E-01	0.02
228.0	4.06E-02	2.71E-02	1.04E-01	8.09E-02	4.63E-01	9.97E-01	0.03
230.0	4.07E-02	2.72E-02	1.04E-01	8.12E-02	4.63E-01	9.98E-01	0.02
232.0	4.09E-02	2.73E-02	1.04E-01	8.14E-02	4.63E-01	9.98E-01	0.02
234.0	4.10E-02	2.73E-02	1.03E-01	8.17E-02	4.63E-01	9.98E-01	0.02
236.0	4.11E-02	2.74E-02	1.03E-01	8.19E-02	4.63E-01	9.98E-01	0.02
238.0	4.12E-02	2.75E-02	1.03E-01	8.21E-02	4.63E-01	9.98E-01	0.02
240.0	4.13E-02	2.76E-02	1.03E-01	8.23E-02	4.63E-01	9.98E-01	0.02
242.0	4.14E-02	2.76E-02	1.03E-01	8.25E-02	4.63E-01	9.98E-01	0.02
244.0	4.15E-02	2.77E-02	1.03E-01	8.27E-02	4.64E-01	9.98E-01	0.02
246.0	4.16E-02	2.77E-02	1.03E-01	8.29E-02	4.64E-01	9.98E-01	0.02
248.0	4.17E-02	2.78E-02	1.03E-01	8.30E-02	4.64E-01	9.98E-01	0.02
250.0	4.18E-02	2.78E-02	1.03E-01	8.32E-02	4.64E-01	9.98E-01	0.02
252.0	4.18E-02	2.79E-02	1.03E-01	8.34E-02	4.64E-01	9.98E-01	0.02
254.0	4.19E-02	2.79E-02	1.03E-01	8.35E-02	4.64E-01	9.98E-01	0.02
256.0	4.20E-02	2.80E-02	1.02E-01	8.37E-02	4.64E-01	9.98E-01	0.02
258.0	4.21E-02	2.80E-02	1.02E-01	8.38E-02	4.64E-01	9.98E-01	0.02
260.0	4.21E-02	2.81E-02	1.02E-01	8.39E-02	4.64E-01	9.98E-01	0.02

262.0	4.22E-02	2.81E-02	1.02E-01	8.41E-02	4.64E-01	9.98E-01	0.02
264.0	4.23E-02	2.82E-02	1.02E-01	8.42E-02	4.64E-01	9.98E-01	0.02
266.0	4.23E-02	2.82E-02	1.02E-01	8.43E-02	4.64E-01	9.98E-01	0.02
268.0	4.24E-02	2.83E-02	1.02E-01	8.44E-02	4.64E-01	9.98E-01	0.02
270.0	4.24E-02	2.83E-02	1.02E-01	8.45E-02	4.64E-01	9.98E-01	0.02
272.0	4.25E-02	2.83E-02	1.02E-01	8.47E-02	4.64E-01	9.98E-01	0.02
274.0	4.26E-02	2.84E-02	1.02E-01	8.48E-02	4.64E-01	9.98E-01	0.02
276.0	4.26E-02	2.84E-02	1.02E-01	8.49E-02	4.64E-01	9.98E-01	0.02
278.0	4.27E-02	2.84E-02	1.02E-01	8.50E-02	4.64E-01	9.98E-01	0.02
280.0	4.27E-02	2.85E-02	1.02E-01	8.51E-02	4.64E-01	9.98E-01	0.02
282.0	4.28E-02	2.85E-02	1.02E-01	8.52E-02	4.64E-01	9.98E-01	0.02
284.0	4.28E-02	2.85E-02	1.02E-01	8.53E-02	4.64E-01	9.98E-01	0.02
286.0	4.29E-02	2.86E-02	1.02E-01	8.54E-02	4.64E-01	9.98E-01	0.02
288.0	4.29E-02	2.86E-02	1.02E-01	8.55E-02	4.64E-01	9.98E-01	0.02
290.0	4.30E-02	2.86E-02	1.02E-01	8.56E-02	4.64E-01	9.98E-01	0.02
292.0	4.30E-02	2.87E-02	1.01E-01	8.57E-02	4.64E-01	9.98E-01	0.02
294.0	4.31E-02	2.87E-02	1.01E-01	8.58E-02	4.64E-01	9.98E-01	0.03
296.0	4.31E-02	2.87E-02	1.01E-01	8.58E-02	4.64E-01	9.99E-01	0.03
298.0	4.31E-02	2.88E-02	1.01E-01	8.59E-02	4.64E-01	9.99E-01	0.02
300.0	4.32E-02	2.88E-02	1.01E-01	8.60E-02	4.64E-01	9.99E-01	0.03
305.0	4.33E-02	2.88E-02	1.01E-01	8.62E-02	4.64E-01	9.99E-01	0.03
310.0	4.34E-02	2.89E-02	1.01E-01	8.64E-02	4.64E-01	9.99E-01	0.03
315.0	4.34E-02	2.90E-02	1.01E-01	8.66E-02	4.64E-01	9.99E-01	0.04
320.0	4.35E-02	2.90E-02	1.01E-01	8.67E-02	4.64E-01	9.98E-01	0.04
325.0	4.36E-02	2.91E-02	1.01E-01	8.68E-02	4.64E-01	9.98E-01	0.05
330.0	4.37E-02	2.91E-02	1.01E-01	8.70E-02	4.64E-01	9.98E-01	0.06
335.0	4.37E-02	2.91E-02	1.01E-01	8.71E-02	4.64E-01	9.98E-01	0.09
340.0	4.37E-02	2.92E-02	1.01E-01	8.72E-02	4.64E-01	9.98E-01	0.27
345.0	4.37E-02	2.91E-02	1.00E-01	8.71E-02	4.63E-01	9.95E-01	1.37
350.0	4.32E-02	2.88E-02	9.90E-02	8.61E-02	4.57E-01	9.83E-01	2.06
360.0	4.17E-02	2.78E-02	9.53E-02	8.31E-02	4.41E-01	9.47E-01	2.29
370.0	4.04E-02	2.69E-02	9.20E-02	8.05E-02	4.26E-01	9.15E-01	2.33
380.0	3.93E-02	2.62E-02	8.92E-02	7.84E-02	4.14E-01	8.89E-01	2.24
390.0	3.85E-02	2.57E-02	8.70E-02	7.67E-02	4.04E-01	8.68E-01	2.14
400.0	3.79E-02	2.52E-02	8.52E-02	7.54E-02	3.96E-01	8.51E-01	2.01
420.0	3.70E-02	2.47E-02	8.27E-02	7.37E-02	3.85E-01	8.28E-01	1.79
440.0	3.66E-02	2.44E-02	8.12E-02	7.29E-02	3.79E-01	8.15E-01	1.59
450.0	3.65E-02	2.44E-02	8.08E-02	7.27E-02	3.77E-01	8.11E-01	1.51
460.0	3.65E-02	2.43E-02	8.04E-02	7.27E-02	3.76E-01	8.08E-01	1.41
480.0	3.65E-02	2.44E-02	8.01E-02	7.28E-02	3.75E-01	8.06E-01	1.27
500.0	3.67E-02	2.45E-02	8.00E-02	7.31E-02	3.75E-01	8.07E-01	1.39
520.0	3.70E-02	2.47E-02	8.02E-02	7.36E-02	3.77E-01	8.10E-01	1.44
540.0	3.73E-02	2.49E-02	8.05E-02	7.42E-02	3.79E-01	8.14E-01	1.53
550.0	3.75E-02	2.50E-02	8.06E-02	7.45E-02	3.80E-01	8.16E-01	1.56
560.0	3.76E-02	2.51E-02	8.09E-02	7.49E-02	3.81E-01	8.19E-01	1.60
580.0	3.80E-02	2.53E-02	8.13E-02	7.56E-02	3.84E-01	8.25E-01	1.65
600.0	3.83E-02	2.56E-02	8.18E-02	7.63E-02	3.87E-01	8.31E-01	1.69
620.0	3.87E-02	2.58E-02	8.24E-02	7.70E-02	3.89E-01	8.37E-01	1.75
640.0	3.91E-02	2.61E-02	8.29E-02	7.78E-02	3.92E-01	8.43E-01	1.77
650.0	3.93E-02	2.62E-02	8.32E-02	7.81E-02	3.94E-01	8.46E-01	1.78

660.0	3.94E-02	2.63E-02	8.35E-02	7.85E-02	3.95E-01	8.50E-01	1.81
680.0	3.98E-02	2.65E-02	8.40E-02	7.92E-02	3.98E-01	8.56E-01	1.84
700.0	4.01E-02	2.68E-02	8.46E-02	7.98E-02	4.01E-01	8.62E-01	1.87
720.0	4.05E-02	2.70E-02	8.51E-02	8.05E-02	4.04E-01	8.68E-01	1.92
740.0	4.08E-02	2.72E-02	8.56E-02	8.11E-02	4.06E-01	8.74E-01	1.94
750.0	4.09E-02	2.73E-02	8.59E-02	8.14E-02	4.08E-01	8.76E-01	1.96
760.0	4.11E-02	2.74E-02	8.62E-02	8.17E-02	4.09E-01	8.79E-01	1.98
780.0	4.14E-02	2.76E-02	8.67E-02	8.23E-02	4.11E-01	8.85E-01	2.02
800.0	4.17E-02	2.78E-02	8.72E-02	8.29E-02	4.14E-01	8.90E-01	2.07
820.0	4.19E-02	2.80E-02	8.76E-02	8.34E-02	4.16E-01	8.95E-01	2.11
840.0	4.22E-02	2.81E-02	8.81E-02	8.39E-02	4.18E-01	9.00E-01	2.15
850.0	4.23E-02	2.82E-02	8.83E-02	8.42E-02	4.19E-01	9.02E-01	2.17
860.0	4.24E-02	2.83E-02	8.85E-02	8.44E-02	4.20E-01	9.05E-01	2.20
880.0	4.27E-02	2.85E-02	8.90E-02	8.49E-02	4.22E-01	9.09E-01	2.25
900.0	4.29E-02	2.86E-02	8.94E-02	8.53E-02	4.24E-01	9.13E-01	2.29
920.0	4.31E-02	2.88E-02	8.98E-02	8.57E-02	4.26E-01	9.18E-01	2.34
940.0	4.33E-02	2.89E-02	9.02E-02	8.62E-02	4.28E-01	9.22E-01	2.39
950.0	4.34E-02	2.90E-02	9.03E-02	8.64E-02	4.29E-01	9.24E-01	2.42
960.0	4.35E-02	2.90E-02	9.05E-02	8.65E-02	4.30E-01	9.25E-01	2.45
980.0	4.37E-02	2.92E-02	9.09E-02	8.69E-02	4.31E-01	9.29E-01	2.50
1000.0	4.39E-02	2.93E-02	9.12E-02	8.73E-02	4.33E-01	9.33E-01	2.55

-- ReiTanaka - 26-Sep-2013

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