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SM Higgs Branching Ratios and Partial-Decay Widths (2012 update)

- Branching ratios reported in CERN Report 2 (CERN-2012-002) [↗](#) Table A.1-A.20.
- Click here for CERN Report 2012-002 Table A.1-A.20 spread sheet.
- 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.

Higgs mass range and step:

Higgs Mass range	step size	# of points	addendum
[90,110] GeV	5 GeV	3 points	
[100,140] GeV	0.5 GeV	60 points	
[140,160] GeV	1 GeV	20 points	
[160,290] GeV	2 GeV	65 points	+ 165, 175, 185, 195 GeV (4 points)
[290,350] GeV	5 GeV	12 points	
[350,1000] GeV	10 GeV	65 points	

- 231 points in total.

Branching Ratios

Higgs 2 fermions

M_H (GeV)	H bb			H			H $\mu\mu$			H cc			H tt	
	BR	error [%]		BR	error [%]		BR	error [%]		BR	error [%]		BR	er
90.0	8.10E-01	+1.6	-1.6	8.33E-02	+7.0	-6.8	2.89E-04	+7.3	-7.1	4.10E-02	+12.1	-12.1	0.00E+00	+0.
95.0	8.02E-01	+1.7	-1.7	8.32E-02	+6.9	-6.8	2.89E-04	+7.3	-7.1	4.05E-02	+12.2	-12.1	0.00E+00	+0.
100.0	7.89E-01	+1.8	-1.8	8.28E-02	+6.9	-6.7	2.88E-04	+7.2	-7.0	3.99E-02	+12.2	-12.2	0.00E+00	+0.
105.0	7.71E-01	+1.9	-2.0	8.17E-02	+6.8	-6.7	2.84E-04	+7.1	-7.0	3.90E-02	+12.2	-12.2	0.00E+00	+0.
110.0	7.44E-01	+2.1	-2.2	7.95E-02	+6.6	-6.5	2.76E-04	+7.0	-6.8	3.75E-02	+12.2	-12.2	0.00E+00	+0.
110.5	7.40E-01	+2.1	-2.2	7.91E-02	+6.6	-6.5	2.75E-04	+6.9	-6.8	3.74E-02	+12.2	-12.2	0.00E+00	+0.
111.0	7.37E-01	+2.2	-2.2	7.89E-02	+6.6	-6.5	2.74E-04	+6.9	-6.8	3.72E-02	+12.2	-12.2	0.00E+00	+0.
111.5	7.33E-01	+2.2	-2.3	7.86E-02	+6.6	-6.5	2.72E-04	+6.9	-6.8	3.70E-02	+12.2	-12.2	0.00E+00	+0.
112.0	7.29E-01	+2.2	-2.3	7.82E-02	+6.5	-6.4	2.71E-04	+6.9	-6.7	3.68E-02	+12.2	-12.2	0.00E+00	+0.
112.5	7.25E-01	+2.3	-2.3	7.79E-02	+6.5	-6.4	2.70E-04	+6.8	-6.7	3.66E-02	+12.2	-12.2	0.00E+00	+0.
113.0	7.21E-01	+2.3	-2.4	7.75E-02	+6.5	-6.4	2.69E-04	+6.8	-6.7	3.64E-02	+12.2	-12.2	0.00E+00	+0.
113.5	7.17E-01	+2.3	-2.4	7.71E-02	+6.5	-6.4	2.67E-04	+6.8	-6.7	3.62E-02	+12.2	-12.2	0.00E+00	+0.
114.0	7.12E-01	+2.4	-2.4	7.67E-02	+6.5	-6.3	2.66E-04	+6.8	-6.7	3.59E-02	+12.2	-12.2	0.00E+00	+0.
114.5	7.08E-01	+2.4	-2.4	7.63E-02	+6.4	-6.3	2.64E-04	+6.8	-6.6	3.57E-02	+12.2	-12.2	0.00E+00	+0.
115.0	7.03E-01	+2.4	-2.5	7.58E-02	+6.4	-6.3	2.63E-04	+6.7	-6.6	3.55E-02	+12.2	-12.2	0.00E+00	+0.
115.5	6.98E-01	+2.4	-2.5	7.54E-02	+6.4	-6.3	2.61E-04	+6.7	-6.6	3.52E-02	+12.2	-12.2	0.00E+00	+0.
116.0	6.93E-01	+2.5	-2.5	7.49E-02	+6.4	-6.2	2.60E-04	+6.7	-6.6	3.50E-02	+12.2	-12.2	0.00E+00	+0.
116.5	6.88E-01	+2.5	-2.6	7.44E-02	+6.3	-6.2	2.58E-04	+6.6	-6.5	3.48E-02	+12.2	-12.2	0.00E+00	+0.
117.0	6.83E-01	+2.5	-2.6	7.39E-02	+6.3	-6.2	2.56E-04	+6.6	-6.5	3.44E-02	+12.2	-12.2	0.00E+00	+0.
117.5	6.77E-01	+2.6	-2.6	7.33E-02	+6.3	-6.2	2.54E-04	+6.6	-6.5	3.42E-02	+12.2	-12.2	0.00E+00	+0.
118.0	6.72E-01	+2.6	-2.7	7.28E-02	+6.2	-6.1	2.52E-04	+6.5	-6.4	3.40E-02	+12.2	-12.2	0.00E+00	+0.
118.5	6.66E-01	+2.6	-2.7	7.22E-02	+6.2	-6.1	2.50E-04	+6.5	-6.4	3.37E-02	+12.2	-12.2	0.00E+00	+0.
119.0	6.60E-01	+2.7	-2.8	7.16E-02	+6.2	-6.1	2.48E-04	+6.5	-6.4	3.33E-02	+12.2	-12.2	0.00E+00	+0.
119.5	6.54E-01	+2.7	-2.8	7.10E-02	+6.2	-6.0	2.46E-04	+6.4	-6.3	3.31E-02	+12.2	-12.2	0.00E+00	+0.
120.0	6.48E-01	+2.8	-2.8	7.04E-02	+6.1	-6.0	2.44E-04	+6.4	-6.3	3.27E-02	+12.2	-12.2	0.00E+00	+0.
120.5	6.41E-01	+2.8	-2.9	6.97E-02	+6.1	-6.0	2.42E-04	+6.4	-6.3	3.24E-02	+12.2	-12.2	0.00E+00	+0.
121.0	6.35E-01	+2.9	-2.9	6.91E-02	+6.0	-5.9	2.39E-04	+6.3	-6.2	3.21E-02	+12.2	-12.2	0.00E+00	+0.
121.5	6.28E-01	+2.9	-3.0	6.84E-02	+6.0	-5.9	2.37E-04	+6.3	-6.2	3.17E-02	+12.2	-12.2	0.00E+00	+0.
122.0	6.21E-01	+2.9	-3.0	6.77E-02	+6.0	-5.9	2.35E-04	+6.2	-6.1	3.14E-02	+12.2	-12.2	0.00E+00	+0.
122.5	6.14E-01	+3.0	-3.0	6.70E-02	+5.9	-5.8	2.33E-04	+6.2	-6.1	3.10E-02	+12.2	-12.2	0.00E+00	+0.
123.0	6.07E-01	+3.0	-3.1	6.63E-02	+5.9	-5.8	2.31E-04	+6.2	-6.0	3.07E-02	+12.2	-12.2	0.00E+00	+0.
123.5	6.00E-01	+3.1	-3.1	6.56E-02	+5.8	-5.8	2.28E-04	+6.1	-6.0	3.03E-02	+12.2	-12.2	0.00E+00	+0.
124.0	5.92E-01	+3.1	-3.2	6.48E-02	+5.8	-5.7	2.25E-04	+6.1	-6.0	2.99E-02	+12.2	-12.2	0.00E+00	+0.
124.5	5.84E-01	+3.2	-3.2	6.39E-02	+5.8	-5.7	2.22E-04	+6.0	-5.9	2.95E-02	+12.2	-12.2	0.00E+00	+0.
125.0	5.77E-01	+3.2	-3.3	6.32E-02	+5.7	-5.7	2.20E-04	+6.0	-5.9	2.91E-02	+12.2	-12.2	0.00E+00	+0.
125.5	5.69E-01	+3.3	-3.3	6.24E-02	+5.7	-5.6	2.17E-04	+6.0	-5.8	2.87E-02	+12.2	-12.2	0.00E+00	+0.
126.0	5.61E-01	+3.3	-3.4	6.15E-02	+5.6	-5.6	2.14E-04	+5.9	-5.8	2.83E-02	+12.2	-12.2	0.00E+00	+0.
126.5	5.53E-01	+3.4	-3.4	6.08E-02	+5.6	-5.5	2.11E-04	+5.9	-5.7	2.79E-02	+12.2	-12.2	0.00E+00	+0.
127.0	5.45E-01	+3.4	-3.5	5.99E-02	+5.5	-5.5	2.08E-04	+5.8	-5.7	2.75E-02	+12.2	-12.2	0.00E+00	+0.
127.5	5.37E-01	+3.5	-3.5	5.90E-02	+5.5	-5.4	2.05E-04	+5.8	-5.6	2.71E-02	+12.2	-12.2	0.00E+00	+0.
128.0	5.28E-01	+3.5	-3.6	5.81E-02	+5.4	-5.4	2.01E-04	+5.7	-5.6	2.67E-02	+12.2	-12.2	0.00E+00	+0.
128.5	5.19E-01	+3.6	-3.6	5.72E-02	+5.4	-5.3	1.98E-04	+5.7	-5.5	2.63E-02	+12.2	-12.2	0.00E+00	+0.
129.0	5.11E-01	+3.6	-3.7	5.63E-02	+5.3	-5.3	1.95E-04	+5.6	-5.5	2.58E-02	+12.2	-12.2	0.00E+00	+0.
129.5	5.02E-01	+3.7	-3.7	5.54E-02	+5.3	-5.3	1.92E-04	+5.6	-5.5	2.54E-02	+12.2	-12.2	0.00E+00	+0.

130.0	4.94E-01	+3.7	-3.8	5.45E-02	+5.3	-5.2	1.90E-04	+5.5	-5.4	2.49E-02	+12.2	-12.1	0.00E+00	+0.
130.5	4.85E-01	+3.8	-3.8	5.36E-02	+5.2	-5.2	1.86E-04	+5.5	-5.4	2.45E-02	+12.2	-12.1	0.00E+00	+0.
131.0	4.76E-01	+3.8	-3.9	5.26E-02	+5.2	-5.1	1.82E-04	+5.4	-5.3	2.41E-02	+12.2	-12.1	0.00E+00	+0.
131.5	4.67E-01	+3.9	-3.9	5.17E-02	+5.1	-5.1	1.80E-04	+5.4	-5.3	2.36E-02	+12.2	-12.1	0.00E+00	+0.
132.0	4.58E-01	+3.9	-4.0	5.07E-02	+5.1	-5.0	1.77E-04	+5.3	-5.2	2.32E-02	+12.2	-12.1	0.00E+00	+0.
132.5	4.49E-01	+4.0	-4.0	4.97E-02	+5.0	-5.0	1.72E-04	+5.2	-5.2	2.27E-02	+12.2	-12.1	0.00E+00	+0.
133.0	4.40E-01	+4.0	-4.1	4.88E-02	+5.0	-4.9	1.69E-04	+5.2	-5.1	2.23E-02	+12.2	-12.1	0.00E+00	+0.
133.5	4.31E-01	+4.1	-4.2	4.79E-02	+4.9	-4.9	1.67E-04	+5.1	-5.1	2.18E-02	+12.2	-12.1	0.00E+00	+0.
134.0	4.22E-01	+4.1	-4.2	4.68E-02	+4.8	-4.8	1.63E-04	+5.1	-5.0	2.13E-02	+12.2	-12.1	0.00E+00	+0.
134.5	4.13E-01	+4.2	-4.3	4.59E-02	+4.8	-4.8	1.60E-04	+5.0	-5.0	2.09E-02	+12.2	-12.1	0.00E+00	+0.
135.0	4.04E-01	+4.2	-4.3	4.49E-02	+4.8	-4.8	1.55E-04	+5.0	-4.9	2.04E-02	+12.2	-12.1	0.00E+00	+0.
135.5	3.95E-01	+4.2	-4.2	4.39E-02	+4.6	-4.6	1.52E-04	+4.8	-4.8	2.00E-02	+11.9	-11.8	0.00E+00	+0.
136.0	3.86E-01	+4.1	-4.1	4.29E-02	+4.5	-4.5	1.49E-04	+4.7	-4.7	1.95E-02	+11.6	-11.6	0.00E+00	+0.
136.5	3.77E-01	+4.0	-4.0	4.20E-02	+4.4	-4.4	1.45E-04	+4.6	-4.6	1.91E-02	+11.4	-11.3	0.00E+00	+0.
137.0	3.68E-01	+3.9	-4.0	4.10E-02	+4.3	-4.3	1.42E-04	+4.5	-4.5	1.86E-02	+11.1	-11.1	0.00E+00	+0.
137.5	3.59E-01	+3.8	-3.9	4.00E-02	+4.2	-4.2	1.39E-04	+4.3	-4.4	1.81E-02	+10.8	-10.8	0.00E+00	+0.
138.0	3.50E-01	+3.7	-3.8	3.91E-02	+4.1	-4.1	1.35E-04	+4.2	-4.3	1.77E-02	+10.6	-10.5	0.00E+00	+0.
138.5	3.41E-01	+3.7	-3.7	3.81E-02	+3.9	-4.0	1.32E-04	+4.1	-4.2	1.73E-02	+10.3	-10.3	0.00E+00	+0.
139.0	3.32E-01	+3.6	-3.6	3.71E-02	+3.8	-3.8	1.29E-04	+4.0	-4.0	1.68E-02	+10.0	-10.0	0.00E+00	+0.
139.5	3.23E-01	+3.5	-3.5	3.62E-02	+3.7	-3.7	1.25E-04	+3.8	-3.9	1.63E-02	+9.8	-9.8	0.00E+00	+0.
140.0	3.15E-01	+3.4	-3.4	3.52E-02	+3.6	-3.6	1.22E-04	+3.7	-3.8	1.58E-02	+9.5	-9.5	0.00E+00	+0.
141.0	2.97E-01	+3.5	-3.5	3.33E-02	+3.5	-3.5	1.15E-04	+3.6	-3.7	1.50E-02	+9.5	-9.5	0.00E+00	+0.
142.0	2.81E-01	+3.5	-3.5	3.15E-02	+3.5	-3.5	1.09E-04	+3.6	-3.6	1.41E-02	+9.5	-9.6	0.00E+00	+0.
143.0	2.64E-01	+3.6	-3.6	2.97E-02	+3.4	-3.4	1.03E-04	+3.5	-3.6	1.33E-02	+9.5	-9.6	0.00E+00	+0.
144.0	2.48E-01	+3.7	-3.6	2.79E-02	+3.4	-3.4	9.67E-05	+3.5	-3.5	1.25E-02	+9.5	-9.7	0.00E+00	+0.
145.0	2.32E-01	+3.7	-3.7	2.61E-02	+3.3	-3.3	9.06E-05	+3.4	-3.4	1.16E-02	+9.6	-9.7	0.00E+00	+0.
146.0	2.16E-01	+3.8	-3.8	2.44E-02	+3.3	-3.3	8.46E-05	+3.4	-3.4	1.09E-02	+9.6	-9.7	0.00E+00	+0.
147.0	2.01E-01	+3.8	-3.8	2.27E-02	+3.2	-3.2	7.87E-05	+3.3	-3.3	1.01E-02	+9.6	-9.7	0.00E+00	+0.
148.0	1.85E-01	+3.9	-3.9	2.09E-02	+3.1	-3.2	7.26E-05	+3.2	-3.3	9.35E-03	+9.7	-9.7	0.00E+00	+0.
149.0	1.72E-01	+3.9	-4.0	1.94E-02	+3.1	-3.1	6.74E-05	+3.2	-3.2	8.65E-03	+9.7	-9.7	0.00E+00	+0.
150.0	1.57E-01	+4.0	-4.0	1.79E-02	+3.0	-3.1	6.19E-05	+3.1	-3.2	7.93E-03	+9.7	-9.7	0.00E+00	+0.
151.0	1.43E-01	+4.0	-4.1	1.62E-02	+3.0	-3.0	5.65E-05	+3.1	-3.1	7.23E-03	+9.8	-9.7	0.00E+00	+0.
152.0	1.30E-01	+4.1	-4.1	1.48E-02	+3.0	-3.0	5.13E-05	+3.0	-3.1	6.57E-03	+9.8	-9.8	0.00E+00	+0.
153.0	1.17E-01	+4.2	-4.2	1.34E-02	+2.9	-3.0	4.63E-05	+3.0	-3.0	5.91E-03	+9.8	-9.8	0.00E+00	+0.
154.0	1.05E-01	+4.2	-4.2	1.19E-02	+2.9	-2.9	4.14E-05	+2.9	-3.0	5.28E-03	+9.8	-9.8	0.00E+00	+0.
155.0	9.23E-02	+4.3	-4.2	1.05E-02	+2.8	-2.9	3.65E-05	+2.9	-2.9	4.65E-03	+9.8	-9.8	0.00E+00	+0.
156.0	8.02E-02	+4.3	-4.3	9.15E-03	+2.8	-2.8	3.17E-05	+2.8	-2.9	4.04E-03	+9.9	-9.8	0.00E+00	+0.
157.0	6.82E-02	+4.3	-4.3	7.79E-03	+2.8	-2.8	2.71E-05	+2.8	-2.8	3.44E-03	+9.9	-9.8	0.00E+00	+0.
158.0	5.65E-02	+4.4	-4.4	6.46E-03	+2.7	-2.8	2.25E-05	+2.8	-2.7	2.85E-03	+9.9	-9.8	0.00E+00	+0.
159.0	4.52E-02	+4.4	-4.4	5.17E-03	+2.7	-2.7	1.80E-05	+2.8	-2.7	2.28E-03	+9.9	-9.8	0.00E+00	+0.
160.0	3.46E-02	+4.5	-4.4	3.96E-03	+2.6	-2.7	1.38E-05	+2.7	-2.6	1.74E-03	+9.9	-9.8	0.00E+00	+0.
162.0	1.98E-02	+4.5	-4.5	2.27E-03	+2.6	-2.7	7.87E-06	+2.7	-2.6	9.95E-04	+9.9	-9.8	0.00E+00	+0.
164.0	1.36E-02	+4.5	-4.5	1.56E-03	+2.6	-2.7	5.43E-06	+2.7	-2.6	6.85E-04	+9.9	-9.9	0.00E+00	+0.
165.0	1.19E-02	+4.5	-4.5	1.37E-03	+2.6	-2.7	4.75E-06	+2.7	-2.6	5.98E-04	+9.9	-9.9	0.00E+00	+0.
166.0	1.07E-02	+4.5	-4.5	1.24E-03	+2.6	-2.6	4.30E-06	+2.7	-2.6	5.40E-04	+9.9	-9.9	0.00E+00	+0.
168.0	9.06E-03	+4.5	-4.5	1.05E-03	+2.6	-2.6	3.63E-06	+2.6	-2.6	4.57E-04	+9.9	-9.9	0.00E+00	+0.
170.0	7.93E-03	+4.5	-4.5	9.20E-04	+2.6	-2.6	3.19E-06	+2.6	-2.6	4.00E-04	+9.9	-9.9	0.00E+00	+0.
172.0	7.10E-03	+4.5	-4.5	8.25E-04	+2.6	-2.6	2.86E-06	+2.6	-2.6	3.57E-04	+9.9	-9.9	0.00E+00	+0.
174.0	6.45E-03	+4.5	-4.5	7.51E-04	+2.6	-2.6	2.60E-06	+2.6	-2.6	3.25E-04	+10.0	-9.9	0.00E+00	+0.
175.0	6.17E-03	+4.5	-4.5	7.19E-04	+2.6	-2.6	2.49E-06	+2.6	-2.6	3.10E-04	+10.0	-9.9	0.00E+00	+0.

176.0	5.91E-03	+4.6	-4.5	6.89E-04	+2.6	-2.6	2.39E-06	+2.7	-2.6	2.97E-04	+10.0	-9.9	0.00E+00	+0.
178.0	5.44E-03	+4.6	-4.5	6.36E-04	+2.6	-2.6	2.20E-06	+2.7	-2.6	2.74E-04	+10.0	-9.9	0.00E+00	+0.
180.0	5.01E-03	+4.6	-4.5	5.87E-04	+2.6	-2.6	2.04E-06	+2.7	-2.6	2.52E-04	+10.0	-9.9	0.00E+00	+0.
182.0	4.55E-03	+4.6	-4.5	5.34E-04	+2.6	-2.6	1.85E-06	+2.7	-2.6	2.29E-04	+10.0	-9.9	0.00E+00	+0.
184.0	4.09E-03	+4.6	-4.5	4.81E-04	+2.6	-2.6	1.67E-06	+2.7	-2.6	2.06E-04	+10.0	-9.9	0.00E+00	+0.
185.0	3.88E-03	+4.6	-4.5	4.58E-04	+2.6	-2.6	1.59E-06	+2.7	-2.6	1.96E-04	+10.0	-9.9	0.00E+00	+0.
186.0	3.70E-03	+4.6	-4.5	4.37E-04	+2.6	-2.6	1.52E-06	+2.6	-2.5	1.87E-04	+10.0	-9.9	0.00E+00	+0.
188.0	3.41E-03	+4.6	-4.5	4.03E-04	+2.6	-2.6	1.40E-06	+2.6	-2.5	1.72E-04	+10.0	-9.9	0.00E+00	+0.
190.0	3.17E-03	+4.6	-4.6	3.76E-04	+2.6	-2.5	1.31E-06	+2.6	-2.5	1.59E-04	+10.0	-9.8	0.00E+00	+0.
192.0	2.97E-03	+4.6	-4.6	3.53E-04	+2.6	-2.6	1.23E-06	+2.6	-2.5	1.50E-04	+10.0	-9.9	0.00E+00	+0.
194.0	2.80E-03	+4.6	-4.6	3.33E-04	+2.6	-2.6	1.16E-06	+2.6	-2.6	1.41E-04	+10.0	-9.9	0.00E+00	+0.
195.0	2.72E-03	+4.6	-4.6	3.24E-04	+2.6	-2.6	1.13E-06	+2.6	-2.6	1.37E-04	+10.0	-9.9	0.00E+00	+0.
196.0	2.65E-03	+4.6	-4.6	3.16E-04	+2.6	-2.6	1.10E-06	+2.6	-2.6	1.34E-04	+10.0	-9.9	0.00E+00	+0.
198.0	2.52E-03	+4.6	-4.6	3.01E-04	+2.6	-2.6	1.05E-06	+2.6	-2.6	1.27E-04	+10.0	-9.9	0.00E+00	+0.
200.0	2.40E-03	+4.6	-4.6	2.87E-04	+2.5	-2.6	9.96E-07	+2.6	-2.6	1.21E-04	+10.0	-10.0	0.00E+00	+0.
202.0	2.29E-03	+4.6	-4.6	2.75E-04	+2.6	-2.6	9.52E-07	+2.6	-2.6	1.16E-04	+10.0	-10.0	0.00E+00	+0.
204.0	2.19E-03	+4.6	-4.6	2.63E-04	+2.6	-2.6	9.13E-07	+2.6	-2.6	1.11E-04	+10.0	-10.0	0.00E+00	+0.
206.0	2.10E-03	+4.6	-4.6	2.52E-04	+2.6	-2.6	8.76E-07	+2.6	-2.6	1.06E-04	+10.0	-9.9	0.00E+00	+0.
208.0	2.01E-03	+4.6	-4.6	2.43E-04	+2.6	-2.6	8.43E-07	+2.6	-2.6	1.02E-04	+10.0	-9.9	0.00E+00	+0.
210.0	1.93E-03	+4.6	-4.6	2.34E-04	+2.6	-2.6	8.11E-07	+2.6	-2.6	9.75E-05	+10.0	-9.9	0.00E+00	+0.
212.0	1.87E-03	+4.6	-4.6	2.25E-04	+2.6	-2.6	7.81E-07	+2.6	-2.6	9.38E-05	+10.0	-9.9	0.00E+00	+0.
214.0	1.80E-03	+4.7	-4.6	2.18E-04	+2.6	-2.6	7.54E-07	+2.6	-2.6	9.04E-05	+10.1	-9.9	0.00E+00	+0.
216.0	1.73E-03	+4.7	-4.6	2.10E-04	+2.6	-2.6	7.29E-07	+2.6	-2.6	8.71E-05	+10.1	-9.9	0.00E+00	+0.
218.0	1.67E-03	+4.7	-4.5	2.03E-04	+2.6	-2.6	7.04E-07	+2.6	-2.6	8.41E-05	+10.1	-9.9	0.00E+00	+0.
220.0	1.61E-03	+4.7	-4.5	1.97E-04	+2.6	-2.6	6.81E-07	+2.6	-2.6	8.11E-05	+10.1	-9.9	0.00E+00	+0.
222.0	1.56E-03	+4.7	-4.5	1.90E-04	+2.6	-2.6	6.59E-07	+2.6	-2.6	7.84E-05	+10.1	-9.9	0.00E+00	+0.
224.0	1.51E-03	+4.7	-4.5	1.84E-04	+2.6	-2.6	6.39E-07	+2.6	-2.6	7.59E-05	+10.1	-9.9	0.00E+00	+0.
226.0	1.46E-03	+4.7	-4.5	1.79E-04	+2.6	-2.6	6.19E-07	+2.6	-2.6	7.34E-05	+10.1	-10.0	0.00E+00	+0.
228.0	1.41E-03	+4.7	-4.5	1.73E-04	+2.6	-2.6	6.00E-07	+2.6	-2.6	7.10E-05	+10.1	-10.0	0.00E+00	+0.
230.0	1.37E-03	+4.7	-4.5	1.68E-04	+2.6	-2.6	5.82E-07	+2.6	-2.6	6.88E-05	+10.1	-10.0	0.00E+00	+0.
232.0	1.33E-03	+4.7	-4.5	1.63E-04	+2.6	-2.6	5.65E-07	+2.6	-2.6	6.67E-05	+10.1	-10.0	0.00E+00	+0.
234.0	1.29E-03	+4.7	-4.5	1.58E-04	+2.6	-2.6	5.49E-07	+2.6	-2.6	6.46E-05	+10.1	-10.0	0.00E+00	+0.
236.0	1.25E-03	+4.7	-4.5	1.54E-04	+2.6	-2.6	5.33E-07	+2.6	-2.6	6.27E-05	+10.1	-10.0	0.00E+00	+0.
238.0	1.21E-03	+4.7	-4.5	1.49E-04	+2.6	-2.6	5.19E-07	+2.6	-2.6	6.09E-05	+10.1	-10.0	0.00E+00	+0.
240.0	1.17E-03	+4.7	-4.5	1.45E-04	+2.6	-2.6	5.05E-07	+2.6	-2.6	5.92E-05	+10.1	-10.0	0.00E+00	+0.
242.0	1.14E-03	+4.7	-4.6	1.41E-04	+2.6	-2.6	4.91E-07	+2.6	-2.6	5.75E-05	+10.1	-10.0	0.00E+00	+0.
244.0	1.11E-03	+4.7	-4.6	1.38E-04	+2.6	-2.6	4.78E-07	+2.6	-2.6	5.59E-05	+10.1	-10.0	0.00E+00	+0.
246.0	1.08E-03	+4.7	-4.6	1.34E-04	+2.6	-2.6	4.66E-07	+2.6	-2.6	5.43E-05	+10.1	-10.0	0.00E+00	+0.
248.0	1.05E-03	+4.7	-4.6	1.31E-04	+2.6	-2.7	4.53E-07	+2.6	-2.6	5.28E-05	+10.1	-10.0	0.00E+00	+0.
250.0	1.02E-03	+4.7	-4.6	1.27E-04	+2.6	-2.7	4.42E-07	+2.6	-2.6	5.14E-05	+10.1	-10.0	0.00E+00	+0.
252.0	9.95E-04	+4.7	-4.6	1.24E-04	+2.6	-2.7	4.31E-07	+2.6	-2.6	5.00E-05	+10.1	-10.0	0.00E+00	+0.
254.0	9.69E-04	+4.7	-4.6	1.21E-04	+2.6	-2.6	4.20E-07	+2.6	-2.6	4.87E-05	+10.1	-10.0	0.00E+00	+0.
256.0	9.43E-04	+4.7	-4.6	1.18E-04	+2.6	-2.6	4.10E-07	+2.6	-2.6	4.74E-05	+10.1	-10.0	0.00E+00	+0.
258.0	9.19E-04	+4.7	-4.6	1.15E-04	+2.6	-2.6	4.00E-07	+2.6	-2.6	4.62E-05	+10.1	-10.0	0.00E+00	+0.
260.0	8.96E-04	+4.7	-4.6	1.12E-04	+2.6	-2.6	3.90E-07	+2.6	-2.6	4.51E-05	+10.1	-10.0	0.00E+00	+0.
262.0	8.74E-04	+4.7	-4.6	1.10E-04	+2.6	-2.6	3.81E-07	+2.6	-2.6	4.39E-05	+10.1	-10.0	1.89E-07	+34.
264.0	8.52E-04	+4.7	-4.6	1.07E-04	+2.6	-2.6	3.72E-07	+2.6	-2.6	4.28E-05	+10.1	-10.0	4.49E-07	+270.
266.0	8.31E-04	+4.7	-4.6	1.05E-04	+2.6	-2.6	3.63E-07	+2.6	-2.6	4.18E-05	+10.1	-10.0	8.63E-07	+210.
268.0	8.11E-04	+4.7	-4.6	1.02E-04	+2.6	-2.6	3.55E-07	+2.6	-2.6	4.08E-05	+10.1	-10.0	1.46E-06	+14.
270.0	7.92E-04	+4.7	-4.6	1.00E-04	+2.6	-2.6	3.47E-07	+2.6	-2.6	3.98E-05	+10.1	-10.0	2.29E-06	+78.

272.0	7.73E-04	+4.7	-4.6	9.80E-05	+2.6	-2.6	3.40E-07	+2.6	-2.6	3.89E-05	+10.1	-10.0	3.37E-06	+72
274.0	7.55E-04	+4.7	-4.6	9.58E-05	+2.6	-2.6	3.32E-07	+2.6	-2.6	3.80E-05	+10.1	-10.0	4.72E-06	+66
276.0	7.38E-04	+4.7	-4.6	9.37E-05	+2.6	-2.6	3.25E-07	+2.6	-2.6	3.71E-05	+10.1	-10.0	6.41E-06	+60
278.0	7.21E-04	+4.7	-4.7	9.17E-05	+2.6	-2.6	3.18E-07	+2.6	-2.6	3.63E-05	+10.1	-10.0	8.45E-06	+54
280.0	7.05E-04	+4.7	-4.7	8.98E-05	+2.6	-2.6	3.11E-07	+2.6	-2.6	3.55E-05	+10.1	-10.0	1.09E-05	+49
282.0	6.90E-04	+4.7	-4.7	8.79E-05	+2.6	-2.6	3.05E-07	+2.6	-2.6	3.47E-05	+10.1	-10.0	1.37E-05	+47
284.0	6.74E-04	+4.7	-4.7	8.61E-05	+2.6	-2.6	2.98E-07	+2.6	-2.6	3.39E-05	+10.1	-10.0	1.72E-05	+45
286.0	6.60E-04	+4.7	-4.7	8.43E-05	+2.6	-2.6	2.92E-07	+2.6	-2.6	3.32E-05	+10.2	-10.0	2.11E-05	+43
288.0	6.46E-04	+4.7	-4.7	8.26E-05	+2.6	-2.6	2.86E-07	+2.6	-2.6	3.25E-05	+10.2	-10.0	2.55E-05	+41
290.0	6.32E-04	+4.7	-4.7	8.09E-05	+2.6	-2.6	2.81E-07	+2.6	-2.6	3.18E-05	+10.2	-10.0	3.06E-05	+39
295.0	6.00E-04	+4.7	-4.7	7.70E-05	+2.6	-2.6	2.67E-07	+2.6	-2.6	3.01E-05	+10.1	-10.0	4.67E-05	+37
300.0	5.70E-04	+4.7	-4.7	7.33E-05	+2.6	-2.6	2.55E-07	+2.6	-2.6	2.86E-05	+10.1	-10.0	6.87E-05	+35
305.0	5.42E-04	+4.7	-4.7	7.00E-05	+2.6	-2.6	2.43E-07	+2.6	-2.6	2.72E-05	+10.2	-10.0	9.83E-05	+35
310.0	5.15E-04	+4.7	-4.7	6.69E-05	+2.6	-2.6	2.32E-07	+2.6	-2.6	2.60E-05	+10.2	-10.0	1.38E-04	+34
315.0	4.92E-04	+4.8	-4.6	6.40E-05	+2.6	-2.5	2.22E-07	+2.7	-2.5	2.48E-05	+10.2	-10.0	1.91E-04	+35
320.0	4.69E-04	+4.8	-4.6	6.11E-05	+2.7	-2.5	2.12E-07	+2.7	-2.5	2.35E-05	+10.2	-10.0	2.65E-04	+36
325.0	4.49E-04	+4.8	-4.6	5.86E-05	+2.6	-2.5	2.03E-07	+2.6	-2.5	2.25E-05	+10.2	-10.0	3.70E-04	+41
330.0	4.30E-04	+4.8	-4.7	5.63E-05	+2.6	-2.5	1.95E-07	+2.6	-2.5	2.16E-05	+10.2	-10.1	5.22E-04	+45
335.0	4.12E-04	+4.8	-4.7	5.41E-05	+2.6	-2.5	1.87E-07	+2.6	-2.5	2.07E-05	+10.2	-10.1	7.61E-04	+110
340.0	3.95E-04	+4.8	-4.7	5.20E-05	+2.7	-2.5	1.80E-07	+2.7	-2.5	1.98E-05	+10.1	-10.1	1.20E-03	+175
345.0	3.80E-04	+5.0	-5.0	5.02E-05	+3.5	-3.7	1.74E-07	+3.5	-3.7	1.91E-05	+10.3	-10.3	3.28E-03	+151
350.0	3.60E-04	+5.2	-5.3	4.77E-05	+4.2	-4.9	1.65E-07	+4.2	-4.9	1.81E-05	+10.5	-10.4	1.56E-02	+127
360.0	3.18E-04	+6.0	-5.4	4.23E-05	+5.6	-4.9	1.47E-07	+5.6	-4.9	1.60E-05	+11.2	-10.4	5.14E-02	+42
370.0	2.83E-04	+6.4	-5.3	3.78E-05	+5.8	-4.7	1.31E-07	+5.8	-4.8	1.42E-05	+11.6	-10.4	8.35E-02	+25
380.0	2.54E-04	+6.6	-5.4	3.41E-05	+5.8	-4.6	1.18E-07	+5.8	-4.6	1.28E-05	+11.8	-10.6	1.10E-01	+18
390.0	2.30E-04	+6.7	-5.4	3.10E-05	+5.8	-4.5	1.07E-07	+5.9	-4.5	1.16E-05	+12.0	-10.7	1.31E-01	+14
400.0	2.10E-04	+6.8	-5.5	2.84E-05	+5.8	-4.3	9.83E-08	+5.8	-4.3	1.05E-05	+12.2	-10.8	1.48E-01	+12
410.0	1.93E-04	+6.9	-5.5	2.62E-05	+5.7	-4.3	9.07E-08	+5.7	-4.2	9.66E-06	+12.3	-10.8	1.61E-01	+10
420.0	1.78E-04	+7.0	-5.5	2.43E-05	+5.6	-4.1	8.41E-08	+5.6	-4.1	8.93E-06	+12.4	-10.9	1.71E-01	+9
430.0	1.65E-04	+7.0	-5.6	2.27E-05	+5.5	-4.0	7.84E-08	+5.5	-4.0	8.29E-06	+12.5	-10.9	1.79E-01	+8
440.0	1.54E-04	+7.1	-5.6	2.12E-05	+5.4	-3.9	7.34E-08	+5.4	-3.9	7.73E-06	+12.5	-10.9	1.84E-01	+7
450.0	1.44E-04	+7.2	-5.6	2.00E-05	+5.3	-3.8	6.91E-08	+5.3	-3.8	7.25E-06	+12.6	-11.0	1.88E-01	+7
460.0	1.36E-04	+7.2	-5.7	1.88E-05	+5.2	-3.7	6.52E-08	+5.3	-3.7	6.82E-06	+12.6	-11.0	1.91E-01	+6
470.0	1.28E-04	+7.2	-5.6	1.78E-05	+5.2	-3.6	6.17E-08	+5.2	-3.6	6.43E-06	+12.6	-11.0	1.92E-01	+6
480.0	1.21E-04	+7.2	-5.5	1.69E-05	+5.1	-3.6	5.86E-08	+5.1	-3.5	6.08E-06	+12.6	-11.0	1.93E-01	+6
490.0	1.15E-04	+7.2	-5.5	1.61E-05	+5.0	-3.5	5.57E-08	+5.0	-3.5	5.76E-06	+12.6	-11.0	1.93E-01	+5
500.0	1.09E-04	+7.2	-5.4	1.53E-05	+5.0	-3.2	5.31E-08	+5.1	-3.1	5.47E-06	+12.8	-10.7	1.92E-01	+4
510.0	1.04E-04	+7.4	-5.3	1.46E-05	+5.1	-3.1	5.07E-08	+5.1	-3.1	5.21E-06	+12.8	-10.8	1.91E-01	+4
520.0	9.88E-05	+7.5	-5.4	1.40E-05	+5.1	-3.2	4.85E-08	+5.1	-3.1	4.96E-06	+12.9	-10.8	1.90E-01	+4
530.0	9.44E-05	+7.5	-5.5	1.34E-05	+5.3	-3.3	4.64E-08	+5.2	-3.2	4.74E-06	+13.0	-10.9	1.88E-01	+5
540.0	9.02E-05	+7.6	-5.6	1.29E-05	+5.4	-3.4	4.44E-08	+5.4	-3.4	4.52E-06	+13.1	-11.0	1.85E-01	+5
550.0	8.64E-05	+7.7	-5.7	1.23E-05	+5.5	-3.5	4.27E-08	+5.5	-3.5	4.33E-06	+13.1	-11.1	1.83E-01	+5
560.0	8.28E-05	+7.8	-5.8	1.19E-05	+5.6	-3.7	4.10E-08	+5.6	-3.6	4.15E-06	+13.2	-11.2	1.80E-01	+5
570.0	7.95E-05	+7.8	-5.9	1.14E-05	+5.8	-3.7	3.95E-08	+5.7	-3.8	3.98E-06	+13.3	-11.3	1.78E-01	+5
580.0	7.64E-05	+7.9	-6.0	1.10E-05	+5.8	-4.0	3.80E-08	+5.8	-4.0	3.83E-06	+13.4	-11.4	1.75E-01	+5
590.0	7.34E-05	+8.1	-6.1	1.06E-05	+6.0	-4.0	3.67E-08	+6.0	-4.0	3.68E-06	+13.5	-11.5	1.72E-01	+6
600.0	7.06E-05	+8.2	-6.3	1.02E-05	+6.2	-4.2	3.54E-08	+6.1	-4.2	3.54E-06	+13.7	-11.6	1.69E-01	+6
610.0	6.81E-05	+8.3	-6.5	9.87E-06	+6.2	-4.4	3.42E-08	+6.2	-4.4	3.41E-06	+13.8	-11.8	1.66E-01	+6
620.0	6.55E-05	+8.4	-6.6	9.53E-06	+6.3	-4.5	3.30E-08	+6.3	-4.5	3.29E-06	+13.9	-12.0	1.63E-01	+6
630.0	6.32E-05	+8.6	-6.7	9.22E-06	+6.5	-4.7	3.19E-08	+6.6	-4.7	3.17E-06	+14.0	-12.1	1.59E-01	+6

640.0	6.10E-05	+8.8	-6.9	8.92E-06	+6.7	-4.9	3.09E-08	+6.7	-4.9	3.06E-06	+14.2	-12.3	1.56E-01	+7.
650.0	5.89E-05	+8.9	-7.1	8.63E-06	+6.8	-5.0	2.99E-08	+6.8	-5.0	2.95E-06	+14.4	-12.4	1.53E-01	+7.
660.0	5.69E-05	+9.1	-7.2	8.36E-06	+7.0	-5.2	2.90E-08	+7.0	-5.2	2.85E-06	+14.5	-12.6	1.50E-01	+7.
670.0	5.50E-05	+9.3	-7.4	8.10E-06	+7.2	-5.4	2.81E-08	+7.2	-5.4	2.76E-06	+14.8	-12.8	1.47E-01	+7.
680.0	5.32E-05	+9.5	-7.6	7.85E-06	+7.4	-5.5	2.72E-08	+7.4	-5.5	2.67E-06	+14.9	-13.0	1.44E-01	+7.
690.0	5.15E-05	+9.7	-7.8	7.61E-06	+7.6	-5.8	2.64E-08	+7.5	-5.8	2.58E-06	+15.1	-13.2	1.41E-01	+7.
700.0	4.98E-05	+9.9	-8.0	7.38E-06	+7.8	-6.0	2.56E-08	+7.8	-6.0	2.50E-06	+15.3	-13.4	1.38E-01	+8.
710.0	4.82E-05	+10.1	-8.2	7.16E-06	+8.0	-6.2	2.48E-08	+8.0	-6.2	2.42E-06	+15.6	-13.7	1.35E-01	+8.
720.0	4.67E-05	+10.4	-8.4	6.94E-06	+8.3	-6.4	2.41E-08	+8.3	-6.4	2.34E-06	+15.8	-13.8	1.32E-01	+8.
730.0	4.53E-05	+10.6	-8.7	6.74E-06	+8.5	-6.6	2.34E-08	+8.5	-6.7	2.27E-06	+16.0	-14.1	1.29E-01	+8.
740.0	4.38E-05	+10.9	-8.9	6.55E-06	+8.8	-6.9	2.27E-08	+8.8	-6.8	2.20E-06	+16.3	-14.4	1.26E-01	+8.
750.0	4.24E-05	+11.2	-9.2	6.36E-06	+9.1	-7.1	2.21E-08	+9.1	-7.1	2.13E-06	+16.6	-14.6	1.23E-01	+8.
760.0	4.11E-05	+11.4	-9.4	6.18E-06	+9.3	-7.4	2.15E-08	+9.3	-7.3	2.07E-06	+16.9	-14.8	1.20E-01	+9.
770.0	3.99E-05	+11.8	-9.7	6.01E-06	+9.6	-7.6	2.09E-08	+9.6	-7.6	2.00E-06	+17.2	-15.0	1.18E-01	+9.
780.0	3.87E-05	+12.1	-10.0	5.84E-06	+10.0	-7.9	2.03E-08	+10.0	-7.9	1.94E-06	+17.6	-15.3	1.15E-01	+9.
790.0	3.75E-05	+12.5	-10.2	5.67E-06	+10.4	-8.2	1.97E-08	+10.3	-8.1	1.89E-06	+17.9	-15.6	1.12E-01	+10.
800.0	3.64E-05	+12.8	-10.5	5.52E-06	+10.7	-8.5	1.92E-08	+10.7	-8.5	1.83E-06	+18.3	-15.9	1.10E-01	+10.
810.0	3.54E-05	+13.2	-10.8	5.37E-06	+11.1	-8.8	1.86E-08	+11.1	-8.8	1.78E-06	+18.7	-16.2	1.07E-01	+11.
820.0	3.43E-05	+13.7	-11.1	5.22E-06	+11.5	-9.1	1.81E-08	+11.5	-9.1	1.73E-06	+19.1	-16.5	1.05E-01	+11.
830.0	3.33E-05	+14.1	-11.4	5.08E-06	+11.9	-9.4	1.76E-08	+11.8	-9.4	1.68E-06	+19.5	-16.8	1.02E-01	+12.
840.0	3.24E-05	+14.5	-11.8	4.94E-06	+12.3	-9.7	1.72E-08	+12.3	-9.7	1.63E-06	+19.9	-17.2	9.99E-02	+12.
850.0	3.14E-05	+15.0	-12.1	4.80E-06	+12.8	-10.0	1.67E-08	+12.8	-10.1	1.58E-06	+20.4	-17.5	9.76E-02	+12.
860.0	3.05E-05	+15.4	-12.5	4.67E-06	+13.3	-10.4	1.62E-08	+13.3	-10.4	1.54E-06	+20.9	-17.9	9.52E-02	+13.
870.0	2.97E-05	+15.9	-12.9	4.55E-06	+13.8	-10.7	1.58E-08	+13.8	-10.8	1.49E-06	+21.4	-18.3	9.29E-02	+14.
880.0	2.88E-05	+16.5	-13.2	4.43E-06	+14.3	-11.1	1.54E-08	+14.3	-11.1	1.45E-06	+22.0	-18.6	9.07E-02	+14.
890.0	2.80E-05	+17.0	-13.6	4.31E-06	+14.9	-11.5	1.50E-08	+14.9	-11.5	1.41E-06	+22.5	-19.1	8.86E-02	+15.
900.0	2.72E-05	+17.6	-14.0	4.19E-06	+15.5	-11.9	1.46E-08	+15.5	-11.8	1.37E-06	+23.1	-19.4	8.65E-02	+15.
910.0	2.64E-05	+18.2	-14.4	4.08E-06	+16.1	-12.3	1.42E-08	+16.0	-12.3	1.33E-06	+23.8	-19.8	8.44E-02	+16.
920.0	2.57E-05	+18.9	-14.8	3.97E-06	+16.7	-12.7	1.38E-08	+16.7	-12.7	1.29E-06	+24.3	-20.2	8.23E-02	+17.
930.0	2.49E-05	+19.6	-15.2	3.87E-06	+17.4	-13.1	1.34E-08	+17.4	-13.1	1.25E-06	+25.1	-20.6	8.03E-02	+17.
940.0	2.42E-05	+20.3	-15.6	3.76E-06	+18.1	-13.5	1.31E-08	+18.1	-13.5	1.22E-06	+25.7	-21.1	7.83E-02	+18.
950.0	2.35E-05	+21.0	-16.1	3.66E-06	+18.8	-14.0	1.27E-08	+18.9	-13.9	1.18E-06	+26.6	-21.5	7.64E-02	+19.
960.0	2.29E-05	+21.9	-16.6	3.56E-06	+19.6	-14.4	1.24E-08	+19.7	-14.3	1.15E-06	+27.3	-21.9	7.45E-02	+19.
970.0	2.23E-05	+22.7	-17.0	3.47E-06	+20.4	-14.9	1.21E-08	+20.5	-14.8	1.12E-06	+28.2	-22.4	7.26E-02	+20.
980.0	2.17E-05	+23.5	-17.5	3.38E-06	+21.3	-15.3	1.17E-08	+21.2	-15.3	1.09E-06	+28.9	-22.9	7.08E-02	+21.
990.0	2.11E-05	+24.4	-18.0	3.28E-06	+22.2	-15.8	1.14E-08	+22.2	-15.8	1.06E-06	+29.9	-23.4	6.90E-02	+22.
1,000.0	2.05E-05	+25.3	-18.5	3.20E-06	+23.1	-16.3	1.11E-08	+23.1	-16.3	1.03E-06	+30.9	-23.8	6.73E-02	+22.

Higgs 2 gauge bosons

M_H (GeV)	H gg		H		H Z		H WW		H ZZ						
	BR	error [%]	BR	error [%]	BR	error [%]	BR	error [%]	BR	error [%]					
90.0	6.12E-02	+11.8	-11.4	1.22E-03	+6.2	-6.2	0.00E+00	+0.0	0.0	2.07E-03	+5.8	-5.7	4.17E-04	+5.8	-5.
95.0	6.74E-02	+11.7	-11.3	1.39E-03	+6.2	-6.1	4.48E-06	+10.2	-10.1	4.67E-03	+5.8	-5.6	6.65E-04	+5.7	-5.
100.0	7.36E-02	+11.6	-11.2	1.58E-03	+6.2	-6.1	4.93E-05	+10.2	-10.1	1.09E-02	+5.7	-5.6	1.12E-03	+5.7	-5.
105.0	7.95E-02	+11.4	-11.1	1.77E-03	+6.1	-5.9	1.71E-04	+10.2	-9.9	2.40E-02	+5.6	-5.5	2.13E-03	+5.6	-5.
110.0	8.45E-02	+11.2	-10.9	1.95E-03	+5.9	-5.8	3.91E-04	+9.9	-9.8	4.77E-02	+5.4	-5.3	4.34E-03	+5.4	-5.
110.5	8.49E-02	+11.2	-10.8	1.97E-03	+5.9	-5.8	4.18E-04	+9.9	-9.8	5.09E-02	+5.4	-5.3	4.67E-03	+5.4	-5.
111.0	8.53E-02	+11.2	-10.8	1.98E-03	+5.9	-5.8	4.47E-04	+9.9	-9.8	5.40E-02	+5.4	-5.2	5.00E-03	+5.4	-5.
111.5	8.56E-02	+11.1	-10.8	2.00E-03	+5.9	-5.8	4.76E-04	+9.9	-9.8	5.75E-02	+5.4	-5.2	5.38E-03	+5.3	-5.
112.0	8.60E-02	+11.1	-10.8	2.02E-03	+5.8	-5.8	5.07E-04	+9.8	-9.7	6.10E-02	+5.3	-5.2	5.76E-03	+5.3	-5.

112.5	8.63E-02	+11.1	-10.8	2.03E-03	+5.8	-5.7	5.39E-04	+9.8	-9.7	6.47E-02	+5.3	-5.2	6.17E-03	+5.3	-5
113.0	8.66E-02	+11.1	-10.7	2.05E-03	+5.8	-5.7	5.72E-04	+9.8	-9.7	6.87E-02	+5.3	-5.2	6.62E-03	+5.3	-5
113.5	8.69E-02	+11.0	-10.7	2.07E-03	+5.8	-5.7	6.05E-04	+9.8	-9.7	7.27E-02	+5.2	-5.1	7.08E-03	+5.2	-5
114.0	8.72E-02	+11.0	-10.7	2.08E-03	+5.8	-5.6	6.39E-04	+9.7	-9.7	7.70E-02	+5.2	-5.1	7.58E-03	+5.2	-5
114.5	8.74E-02	+11.0	-10.7	2.10E-03	+5.8	-5.6	6.74E-04	+9.7	-9.6	8.14E-02	+5.2	-5.1	8.10E-03	+5.2	-5
115.0	8.76E-02	+10.9	-10.6	2.11E-03	+5.7	-5.6	7.10E-04	+9.7	-9.6	8.60E-02	+5.2	-5.0	8.65E-03	+5.2	-5
115.5	8.78E-02	+10.9	-10.6	2.12E-03	+5.7	-5.6	7.46E-04	+9.7	-9.6	9.05E-02	+5.1	-5.0	9.21E-03	+5.1	-5
116.0	8.80E-02	+10.9	-10.6	2.14E-03	+5.7	-5.5	7.84E-04	+9.6	-9.6	9.55E-02	+5.1	-5.0	9.83E-03	+5.1	-5
116.5	8.81E-02	+10.8	-10.5	2.15E-03	+5.6	-5.5	8.22E-04	+9.6	-9.5	1.01E-01	+5.0	-4.9	1.05E-02	+5.0	-4
117.0	8.82E-02	+10.8	-10.5	2.16E-03	+5.6	-5.5	8.61E-04	+9.6	-9.5	1.06E-01	+5.0	-4.9	1.12E-02	+5.0	-4
117.5	8.83E-02	+10.8	-10.5	2.18E-03	+5.6	-5.4	9.00E-04	+9.5	-9.5	1.11E-01	+5.0	-4.8	1.19E-02	+5.0	-4
118.0	8.83E-02	+10.8	-10.4	2.19E-03	+5.5	-5.4	9.40E-04	+9.5	-9.4	1.17E-01	+4.9	-4.8	1.26E-02	+4.9	-4
118.5	8.83E-02	+10.7	-10.4	2.20E-03	+5.5	-5.4	9.81E-04	+9.5	-9.4	1.23E-01	+4.9	-4.8	1.34E-02	+4.9	-4
119.0	8.83E-02	+10.7	-10.4	2.21E-03	+5.5	-5.3	1.02E-03	+9.4	-9.4	1.29E-01	+4.8	-4.7	1.42E-02	+4.8	-4
119.5	8.84E-02	+10.7	-10.4	2.22E-03	+5.4	-5.3	1.06E-03	+9.4	-9.4	1.35E-01	+4.8	-4.7	1.50E-02	+4.8	-4
120.0	8.82E-02	+10.6	-10.3	2.23E-03	+5.4	-5.3	1.11E-03	+9.4	-9.3	1.41E-01	+4.8	-4.7	1.59E-02	+4.8	-4
120.5	8.82E-02	+10.6	-10.3	2.23E-03	+5.4	-5.2	1.15E-03	+9.3	-9.3	1.48E-01	+4.7	-4.6	1.68E-02	+4.7	-4
121.0	8.80E-02	+10.6	-10.3	2.24E-03	+5.3	-5.2	1.19E-03	+9.3	-9.2	1.55E-01	+4.7	-4.6	1.77E-02	+4.7	-4
121.5	8.79E-02	+10.5	-10.2	2.25E-03	+5.3	-5.2	1.23E-03	+9.3	-9.2	1.61E-01	+4.6	-4.5	1.87E-02	+4.6	-4
122.0	8.77E-02	+10.5	-10.2	2.25E-03	+5.2	-5.1	1.28E-03	+9.2	-9.1	1.69E-01	+4.6	-4.5	1.97E-02	+4.6	-4
122.5	8.74E-02	+10.4	-10.2	2.26E-03	+5.2	-5.1	1.32E-03	+9.2	-9.1	1.76E-01	+4.5	-4.4	2.07E-02	+4.5	-4
123.0	8.71E-02	+10.4	-10.1	2.27E-03	+5.2	-5.0	1.36E-03	+9.2	-9.0	1.83E-01	+4.5	-4.4	2.18E-02	+4.5	-4
123.5	8.68E-02	+10.3	-10.1	2.28E-03	+5.1	-5.0	1.41E-03	+9.1	-9.0	1.91E-01	+4.4	-4.3	2.29E-02	+4.5	-4
124.0	8.65E-02	+10.3	-10.1	2.28E-03	+5.1	-5.0	1.45E-03	+9.1	-8.9	1.98E-01	+4.4	-4.3	2.40E-02	+4.4	-4
124.5	8.61E-02	+10.3	-10.0	2.28E-03	+5.0	-4.9	1.49E-03	+9.1	-8.9	2.07E-01	+4.3	-4.2	2.52E-02	+4.4	-4
125.0	8.57E-02	+10.2	-10.0	2.28E-03	+5.0	-4.9	1.54E-03	+9.0	-8.8	2.15E-01	+4.3	-4.2	2.64E-02	+4.3	-4
125.5	8.52E-02	+10.2	-9.9	2.28E-03	+4.9	-4.8	1.58E-03	+8.9	-8.8	2.23E-01	+4.2	-4.1	2.76E-02	+4.3	-4
126.0	8.48E-02	+10.1	-9.9	2.28E-03	+4.9	-4.8	1.62E-03	+8.9	-8.8	2.31E-01	+4.1	-4.1	2.89E-02	+4.2	-4
126.5	8.42E-02	+10.1	-9.8	2.28E-03	+4.8	-4.7	1.66E-03	+8.8	-8.7	2.39E-01	+4.1	-4.0	3.02E-02	+4.1	-4
127.0	8.37E-02	+10.1	-9.8	2.28E-03	+4.8	-4.7	1.70E-03	+8.8	-8.7	2.48E-01	+4.0	-4.0	3.15E-02	+4.1	-3
127.5	8.31E-02	+10.0	-9.8	2.28E-03	+4.8	-4.6	1.75E-03	+8.7	-8.6	2.57E-01	+4.0	-3.9	3.28E-02	+4.0	-3
128.0	8.25E-02	+10.0	-9.7	2.27E-03	+4.7	-4.6	1.79E-03	+8.7	-8.6	2.66E-01	+3.9	-3.9	3.42E-02	+3.9	-3
128.5	8.19E-02	+9.9	-9.7	2.27E-03	+4.7	-4.5	1.83E-03	+8.6	-8.6	2.75E-01	+3.8	-3.8	3.56E-02	+3.9	-3
129.0	8.12E-02	+9.9	-9.6	2.26E-03	+4.6	-4.5	1.87E-03	+8.5	-8.5	2.84E-01	+3.8	-3.7	3.70E-02	+3.8	-3
129.5	8.05E-02	+9.8	-9.6	2.26E-03	+4.6	-4.4	1.90E-03	+8.5	-8.5	2.93E-01	+3.7	-3.7	3.84E-02	+3.7	-3
130.0	7.97E-02	+9.8	-9.6	2.25E-03	+4.5	-4.4	1.95E-03	+8.4	-8.4	3.03E-01	+3.7	-3.6	3.98E-02	+3.7	-3
130.5	7.90E-02	+9.8	-9.5	2.24E-03	+4.5	-4.3	1.99E-03	+8.4	-8.4	3.12E-01	+3.6	-3.5	4.13E-02	+3.6	-3
131.0	7.82E-02	+9.7	-9.5	2.23E-03	+4.4	-4.3	2.01E-03	+8.3	-8.3	3.22E-01	+3.5	-3.5	4.28E-02	+3.5	-3
131.5	7.73E-02	+9.7	-9.4	2.22E-03	+4.4	-4.2	2.06E-03	+8.3	-8.3	3.31E-01	+3.5	-3.4	4.42E-02	+3.5	-3
132.0	7.65E-02	+9.6	-9.4	2.21E-03	+4.3	-4.2	2.09E-03	+8.2	-8.2	3.41E-01	+3.4	-3.4	4.57E-02	+3.4	-3
132.5	7.56E-02	+9.6	-9.4	2.20E-03	+4.2	-4.1	2.13E-03	+8.2	-8.2	3.51E-01	+3.3	-3.3	4.72E-02	+3.3	-3
133.0	7.47E-02	+9.5	-9.3	2.19E-03	+4.2	-4.1	2.16E-03	+8.1	-8.1	3.61E-01	+3.3	-3.2	4.87E-02	+3.3	-3
133.5	7.37E-02	+9.5	-9.3	2.17E-03	+4.1	-4.0	2.19E-03	+8.1	-8.1	3.70E-01	+3.2	-3.2	5.02E-02	+3.2	-3
134.0	7.28E-02	+9.4	-9.2	2.16E-03	+4.1	-4.0	2.22E-03	+8.0	-8.0	3.80E-01	+3.1	-3.1	5.17E-02	+3.1	-3
134.5	7.18E-02	+9.4	-9.2	2.14E-03	+4.0	-3.9	2.25E-03	+8.0	-7.9	3.90E-01	+3.1	-3.0	5.32E-02	+3.1	-3
135.0	7.08E-02	+9.3	-9.2	2.13E-03	+4.0	-3.9	2.27E-03	+7.9	-7.9	4.00E-01	+3.0	-3.0	5.47E-02	+3.0	-3
135.5	6.97E-02	+9.2	-9.1	2.11E-03	+3.8	-3.8	2.30E-03	+7.8	-7.8	4.10E-01	+2.9	-2.8	5.62E-02	+2.9	-2
136.0	6.87E-02	+9.1	-9.0	2.09E-03	+3.7	-3.6	2.32E-03	+7.7	-7.7	4.20E-01	+2.8	-2.7	5.77E-02	+2.8	-2
136.5	6.76E-02	+9.0	-8.9	2.08E-03	+3.6	-3.5	2.34E-03	+7.5	-7.5	4.30E-01	+2.6	-2.6	5.91E-02	+2.6	-2
137.0	6.65E-02	+8.9	-8.8	2.06E-03	+3.5	-3.4	2.36E-03	+7.4	-7.4	4.41E-01	+2.5	-2.5	6.06E-02	+2.5	-2

137.5	6.54E-02	+8.8	-8.7	2.04E-03	+3.3	-3.3	2.38E-03	+7.3	-7.3	4.51E-01	+2.4	-2.3	6.20E-02	+2.4	-2
138.0	6.43E-02	+8.7	-8.5	2.02E-03	+3.2	-3.2	2.40E-03	+7.2	-7.2	4.61E-01	+2.2	-2.2	6.34E-02	+2.2	-2
138.5	6.32E-02	+8.6	-8.4	2.00E-03	+3.1	-3.1	2.42E-03	+7.1	-7.1	4.71E-01	+2.1	-2.1	6.48E-02	+2.1	-2
139.0	6.20E-02	+8.5	-8.3	1.98E-03	+3.0	-3.0	2.43E-03	+6.9	-7.0	4.81E-01	+1.9	-1.9	6.61E-02	+2.0	-1
139.5	6.08E-02	+8.4	-8.2	1.95E-03	+2.9	-2.9	2.45E-03	+6.8	-6.8	4.91E-01	+1.8	-1.8	6.75E-02	+1.8	-1
140.0	5.97E-02	+8.3	-8.1	1.93E-03	+2.7	-2.8	2.46E-03	+6.7	-6.7	5.01E-01	+1.7	-1.7	6.87E-02	+1.7	-1
141.0	5.72E-02	+8.2	-8.1	1.88E-03	+2.7	-2.7	2.48E-03	+6.6	-6.7	5.21E-01	+1.6	-1.6	7.12E-02	+1.6	-1
142.0	5.48E-02	+8.2	-8.1	1.84E-03	+2.6	-2.6	2.49E-03	+6.6	-6.6	5.41E-01	+1.5	-1.5	7.35E-02	+1.5	-1
143.0	5.23E-02	+8.2	-8.0	1.77E-03	+2.5	-2.5	2.49E-03	+6.5	-6.5	5.61E-01	+1.4	-1.4	7.56E-02	+1.4	-1
144.0	4.99E-02	+8.1	-8.0	1.73E-03	+2.5	-2.4	2.49E-03	+6.5	-6.5	5.80E-01	+1.3	-1.3	7.75E-02	+1.3	-1
145.0	4.74E-02	+8.1	-8.0	1.68E-03	+2.4	-2.4	2.48E-03	+6.4	-6.4	6.00E-01	+1.2	-1.3	7.91E-02	+1.2	-1
146.0	4.48E-02	+8.1	-7.9	1.62E-03	+2.4	-2.3	2.46E-03	+6.3	-6.3	6.19E-01	+1.2	-1.2	8.05E-02	+1.2	-1
147.0	4.22E-02	+8.0	-7.9	1.56E-03	+2.3	-2.2	2.44E-03	+6.3	-6.3	6.39E-01	+1.1	-1.1	8.16E-02	+1.1	-1
148.0	3.96E-02	+8.0	-7.9	1.49E-03	+2.2	-2.2	2.39E-03	+6.2	-6.3	6.58E-01	+1.0	-1.0	8.24E-02	+1.0	-1
149.0	3.72E-02	+8.0	-7.9	1.43E-03	+2.2	-2.1	2.36E-03	+6.1	-6.2	6.77E-01	+0.9	-0.9	8.26E-02	+0.9	-0
150.0	3.46E-02	+7.9	-7.8	1.37E-03	+2.1	-2.1	2.31E-03	+6.0	-6.2	6.96E-01	+0.9	-0.8	8.25E-02	+0.9	-0
151.0	3.20E-02	+7.9	-7.8	1.29E-03	+2.1	-2.0	2.24E-03	+6.0	-6.1	7.16E-01	+0.8	-0.8	8.19E-02	+0.8	-0
152.0	2.95E-02	+7.9	-7.8	1.22E-03	+2.0	-2.0	2.19E-03	+6.0	-6.0	7.35E-01	+0.7	-0.7	8.08E-02	+0.7	-0
153.0	2.69E-02	+7.9	-7.8	1.15E-03	+2.0	-1.9	2.11E-03	+6.0	-6.0	7.54E-01	+0.7	-0.7	7.90E-02	+0.7	-0
154.0	2.44E-02	+7.9	-7.7	1.07E-03	+1.9	-1.9	2.02E-03	+5.9	-5.9	7.74E-01	+0.6	-0.6	7.66E-02	+0.6	-0
155.0	2.18E-02	+7.8	-7.7	9.98E-04	+1.9	-1.9	1.91E-03	+5.9	-5.8	7.94E-01	+0.5	-0.5	7.34E-02	+0.5	-0
156.0	1.92E-02	+7.8	-7.7	9.14E-04	+1.8	-1.8	1.79E-03	+5.8	-5.8	8.15E-01	+0.5	-0.5	6.92E-02	+0.5	-0
157.0	1.65E-02	+7.8	-7.7	8.23E-04	+1.8	-1.8	1.65E-03	+5.8	-5.8	8.37E-01	+0.4	-0.4	6.40E-02	+0.4	-0
158.0	1.39E-02	+7.8	-7.7	7.29E-04	+1.7	-1.7	1.50E-03	+5.7	-5.7	8.60E-01	+0.3	-0.3	5.76E-02	+0.3	-0
159.0	1.12E-02	+7.8	-7.7	6.28E-04	+1.7	-1.7	1.33E-03	+5.7	-5.7	8.84E-01	+0.3	-0.3	4.99E-02	+0.3	-0
160.0	8.65E-03	+7.8	-7.7	5.32E-04	+1.6	-1.6	1.16E-03	+5.6	-5.7	9.08E-01	+0.2	-0.2	4.15E-02	+0.2	-0
162.0	5.04E-03	+7.7	-7.7	3.70E-04	+1.6	-1.6	8.41E-04	+5.6	-5.6	9.43E-01	+0.2	-0.2	2.82E-02	+0.2	-0
164.0	3.54E-03	+7.7	-7.7	2.60E-04	+1.6	-1.6	6.06E-04	+5.6	-5.6	9.57E-01	+0.1	-0.1	2.31E-02	+0.2	-0
165.0	3.13E-03	+7.7	-7.7	2.29E-04	+1.6	-1.6	5.42E-04	+5.6	-5.6	9.60E-01	+0.1	-0.1	2.21E-02	+0.2	-0
166.0	2.85E-03	+7.7	-7.7	2.08E-04	+1.6	-1.6	5.00E-04	+5.6	-5.6	9.62E-01	+0.1	-0.1	2.18E-02	+0.1	-0
168.0	2.46E-03	+7.7	-7.7	1.79E-04	+1.6	-1.6	4.40E-04	+5.6	-5.6	9.64E-01	+0.1	-0.1	2.22E-02	+0.1	-0
170.0	2.20E-03	+7.7	-7.7	1.58E-04	+1.6	-1.6	4.00E-04	+5.6	-5.6	9.64E-01	+0.1	-0.1	2.36E-02	+0.1	-0
172.0	2.01E-03	+7.7	-7.6	1.43E-04	+1.6	-1.6	3.70E-04	+5.6	-5.6	9.63E-01	+0.0	0.0	2.61E-02	+0.1	-0
174.0	1.88E-03	+7.7	-7.6	1.32E-04	+1.6	-1.6	3.48E-04	+5.6	-5.5	9.60E-01	+0.0	0.0	2.98E-02	+0.1	-0
175.0	1.82E-03	+7.7	-7.6	1.27E-04	+1.6	-1.6	3.38E-04	+5.6	-5.5	9.58E-01	+0.0	0.0	3.23E-02	+0.1	-0
176.0	1.76E-03	+7.7	-7.6	1.22E-04	+1.6	-1.6	3.29E-04	+5.6	-5.5	9.55E-01	+0.0	0.0	3.54E-02	+0.1	-0
178.0	1.65E-03	+7.7	-7.6	1.14E-04	+1.6	-1.6	3.12E-04	+5.6	-5.5	9.47E-01	+0.0	0.0	4.44E-02	+0.1	-0
180.0	1.56E-03	+7.7	-7.6	1.05E-04	+1.6	-1.6	2.96E-04	+5.6	-5.5	9.32E-01	+0.0	0.0	6.02E-02	+0.1	-0
182.0	1.44E-03	+7.7	-7.6	9.69E-05	+1.6	-1.6	2.76E-04	+5.6	-5.5	9.03E-01	+0.0	0.0	9.00E-02	+0.1	-0
184.0	1.32E-03	+7.7	-7.6	8.81E-05	+1.6	-1.6	2.54E-04	+5.6	-5.5	8.62E-01	+0.0	0.0	1.31E-01	+0.0	0
185.0	1.27E-03	+7.7	-7.6	8.43E-05	+1.6	-1.6	2.44E-04	+5.6	-5.5	8.44E-01	+0.0	0.0	1.50E-01	+0.0	0
186.0	1.23E-03	+7.7	-7.6	8.09E-05	+1.6	-1.6	2.35E-04	+5.6	-5.5	8.28E-01	+0.0	0.0	1.66E-01	+0.0	0
188.0	1.16E-03	+7.7	-7.6	7.52E-05	+1.6	-1.5	2.22E-04	+5.6	-5.5	8.03E-01	+0.0	0.0	1.91E-01	+0.0	0
190.0	1.10E-03	+7.7	-7.6	7.05E-05	+1.6	-1.5	2.11E-04	+5.6	-5.5	7.86E-01	+0.0	0.0	2.09E-01	+0.0	0
192.0	1.05E-03	+7.7	-7.6	6.66E-05	+1.6	-1.6	2.02E-04	+5.6	-5.5	7.72E-01	+0.0	0.0	2.23E-01	+0.0	0
194.0	1.01E-03	+7.7	-7.6	6.32E-05	+1.6	-1.6	1.94E-04	+5.6	-5.5	7.61E-01	+0.0	0.0	2.34E-01	+0.0	0
195.0	9.94E-04	+7.7	-7.6	6.17E-05	+1.6	-1.6	1.90E-04	+5.6	-5.5	7.57E-01	+0.0	0.0	2.39E-01	+0.0	0
196.0	9.79E-04	+7.7	-7.6	6.02E-05	+1.6	-1.6	1.87E-04	+5.5	-5.6	7.53E-01	+0.0	0.0	2.43E-01	+0.0	0
198.0	9.51E-04	+7.6	-7.6	5.75E-05	+1.6	-1.6	1.81E-04	+5.5	-5.6	7.46E-01	+0.0	0.0	2.50E-01	+0.0	0
200.0	9.26E-04	+7.6	-7.6	5.51E-05	+1.6	-1.6	1.75E-04	+5.5	-5.6	7.41E-01	+0.0	0.0	2.55E-01	+0.0	0

202.0	9.04E-04	+7.6	-7.5	5.28E-05	+1.6	-1.6	1.70E-04	+5.5	-5.6	7.36E-01	+0.0	0.0	2.60E-01	+0.0	0.0
204.0	8.84E-04	+7.6	-7.5	5.08E-05	+1.6	-1.6	1.65E-04	+5.6	-5.6	7.32E-01	+0.0	0.0	2.65E-01	+0.0	0.0
206.0	8.66E-04	+7.6	-7.5	4.89E-05	+1.6	-1.6	1.61E-04	+5.6	-5.6	7.28E-01	+0.0	0.0	2.68E-01	+0.0	0.0
208.0	8.51E-04	+7.6	-7.5	4.71E-05	+1.6	-1.6	1.57E-04	+5.6	-5.6	7.25E-01	+0.0	0.0	2.71E-01	+0.0	0.0
210.0	8.36E-04	+7.6	-7.5	4.55E-05	+1.7	-1.6	1.53E-04	+5.6	-5.5	7.23E-01	+0.0	0.0	2.74E-01	+0.0	0.0
212.0	8.22E-04	+7.6	-7.5	4.39E-05	+1.6	-1.6	1.49E-04	+5.6	-5.5	7.20E-01	+0.0	0.0	2.76E-01	+0.0	0.0
214.0	8.09E-04	+7.6	-7.5	4.24E-05	+1.6	-1.6	1.45E-04	+5.6	-5.5	7.18E-01	+0.0	0.0	2.78E-01	+0.0	0.0
216.0	7.98E-04	+7.6	-7.5	4.10E-05	+1.6	-1.6	1.41E-04	+5.6	-5.6	7.17E-01	+0.0	0.0	2.80E-01	+0.0	0.0
218.0	7.87E-04	+7.6	-7.5	3.96E-05	+1.6	-1.6	1.38E-04	+5.6	-5.6	7.15E-01	+0.0	0.0	2.82E-01	+0.0	0.0
220.0	7.77E-04	+7.6	-7.5	3.83E-05	+1.6	-1.6	1.35E-04	+5.6	-5.6	7.14E-01	+0.0	0.0	2.84E-01	+0.0	0.0
222.0	7.67E-04	+7.6	-7.5	3.72E-05	+1.6	-1.6	1.31E-04	+5.6	-5.5	7.12E-01	+0.0	0.0	2.85E-01	+0.0	0.0
224.0	7.59E-04	+7.6	-7.5	3.60E-05	+1.6	-1.6	1.28E-04	+5.6	-5.5	7.11E-01	+0.0	0.0	2.86E-01	+0.0	0.0
226.0	7.51E-04	+7.6	-7.5	3.49E-05	+1.6	-1.6	1.25E-04	+5.6	-5.5	7.10E-01	+0.0	0.0	2.87E-01	+0.0	0.0
228.0	7.43E-04	+7.6	-7.5	3.39E-05	+1.6	-1.6	1.22E-04	+5.6	-5.5	7.09E-01	+0.0	0.0	2.88E-01	+0.0	0.0
230.0	7.35E-04	+7.6	-7.5	3.28E-05	+1.6	-1.6	1.19E-04	+5.6	-5.5	7.08E-01	+0.0	0.0	2.89E-01	+0.0	0.0
232.0	7.28E-04	+7.6	-7.5	3.19E-05	+1.6	-1.6	1.17E-04	+5.6	-5.5	7.07E-01	+0.0	0.0	2.90E-01	+0.0	0.0
234.0	7.22E-04	+7.6	-7.5	3.09E-05	+1.6	-1.6	1.14E-04	+5.6	-5.5	7.06E-01	+0.0	0.0	2.91E-01	+0.0	0.0
236.0	7.16E-04	+7.6	-7.5	3.00E-05	+1.6	-1.6	1.11E-04	+5.5	-5.6	7.06E-01	+0.0	0.0	2.92E-01	+0.0	0.0
238.0	7.11E-04	+7.6	-7.5	2.92E-05	+1.6	-1.6	1.09E-04	+5.5	-5.6	7.05E-01	+0.0	0.0	2.93E-01	+0.0	0.0
240.0	7.05E-04	+7.6	-7.5	2.84E-05	+1.7	-1.6	1.06E-04	+5.5	-5.6	7.04E-01	+0.0	0.0	2.94E-01	+0.0	0.0
242.0	7.00E-04	+7.6	-7.5	2.76E-05	+1.7	-1.6	1.04E-04	+5.5	-5.6	7.04E-01	+0.0	0.0	2.94E-01	+0.0	0.0
244.0	6.95E-04	+7.6	-7.5	2.68E-05	+1.7	-1.7	1.02E-04	+5.5	-5.6	7.03E-01	+0.0	0.0	2.95E-01	+0.0	0.0
246.0	6.90E-04	+7.6	-7.5	2.61E-05	+1.7	-1.7	9.96E-05	+5.5	-5.6	7.02E-01	+0.0	0.0	2.96E-01	+0.0	0.0
248.0	6.86E-04	+7.6	-7.5	2.54E-05	+1.7	-1.7	9.75E-05	+5.6	-5.6	7.02E-01	+0.0	0.0	2.96E-01	+0.0	0.0
250.0	6.82E-04	+7.6	-7.5	2.47E-05	+1.7	-1.7	9.54E-05	+5.6	-5.6	7.01E-01	+0.0	0.0	2.97E-01	+0.0	0.0
252.0	6.78E-04	+7.6	-7.5	2.40E-05	+1.7	-1.7	9.34E-05	+5.6	-5.6	7.01E-01	+0.0	0.0	2.97E-01	+0.0	0.0
254.0	6.75E-04	+7.6	-7.5	2.34E-05	+1.7	-1.7	9.14E-05	+5.6	-5.6	7.00E-01	+0.0	0.0	2.98E-01	+0.0	0.0
256.0	6.72E-04	+7.6	-7.5	2.29E-05	+1.7	-1.7	8.94E-05	+5.6	-5.6	7.00E-01	+0.0	0.0	2.98E-01	+0.0	0.0
258.0	6.69E-04	+7.6	-7.5	2.23E-05	+1.7	-1.7	8.75E-05	+5.6	-5.6	6.99E-01	+0.0	0.0	2.99E-01	+0.0	0.0
260.0	6.66E-04	+7.7	-7.5	2.17E-05	+1.7	-1.7	8.57E-05	+5.6	-5.6	6.99E-01	+0.0	0.0	2.99E-01	+0.0	0.0
262.0	6.64E-04	+7.7	-7.5	2.11E-05	+1.7	-1.7	8.39E-05	+5.6	-5.6	6.98E-01	+0.0	0.0	3.00E-01	+0.0	0.0
264.0	6.61E-04	+7.7	-7.5	2.06E-05	+1.7	-1.7	8.21E-05	+5.6	-5.6	6.98E-01	+0.0	0.0	3.00E-01	+0.0	0.0
266.0	6.59E-04	+7.7	-7.6	2.01E-05	+1.7	-1.7	8.04E-05	+5.6	-5.6	6.98E-01	+0.0	0.0	3.01E-01	+0.0	0.0
268.0	6.57E-04	+7.7	-7.6	1.96E-05	+1.7	-1.7	7.88E-05	+5.6	-5.6	6.97E-01	+0.0	0.0	3.01E-01	+0.0	0.0
270.0	6.55E-04	+7.7	-7.6	1.91E-05	+1.7	-1.7	7.72E-05	+5.6	-5.6	6.97E-01	+0.0	0.0	3.02E-01	+0.0	0.0
272.0	6.54E-04	+7.7	-7.6	1.87E-05	+1.7	-1.7	7.56E-05	+5.6	-5.6	6.96E-01	+0.0	0.0	3.02E-01	+0.0	0.0
274.0	6.53E-04	+7.7	-7.6	1.82E-05	+1.7	-1.7	7.41E-05	+5.6	-5.6	6.96E-01	+0.0	0.0	3.02E-01	+0.0	0.0
276.0	6.51E-04	+7.7	-7.6	1.78E-05	+1.8	-1.7	7.26E-05	+5.6	-5.6	6.96E-01	+0.0	0.0	3.03E-01	+0.0	0.0
278.0	6.51E-04	+7.7	-7.6	1.74E-05	+1.8	-1.7	7.12E-05	+5.6	-5.6	6.95E-01	+0.0	0.0	3.03E-01	+0.0	0.0
280.0	6.50E-04	+7.7	-7.6	1.68E-05	+1.8	-1.8	6.98E-05	+5.6	-5.6	6.95E-01	+0.0	0.0	3.04E-01	+0.0	0.0
282.0	6.49E-04	+7.8	-7.6	1.65E-05	+1.8	-1.8	6.84E-05	+5.6	-5.6	6.95E-01	+0.0	0.0	3.04E-01	+0.0	0.0
284.0	6.49E-04	+7.8	-7.7	1.61E-05	+1.8	-1.8	6.71E-05	+5.6	-5.6	6.94E-01	+0.0	0.0	3.04E-01	+0.0	0.0
286.0	6.49E-04	+7.8	-7.7	1.57E-05	+1.8	-1.8	6.58E-05	+5.6	-5.6	6.94E-01	+0.0	0.0	3.05E-01	+0.0	0.0
288.0	6.49E-04	+7.8	-7.7	1.53E-05	+1.8	-1.8	6.45E-05	+5.6	-5.6	6.93E-01	+0.0	0.0	3.05E-01	+0.0	0.0
290.0	6.49E-04	+7.9	-7.7	1.50E-05	+1.8	-1.8	6.32E-05	+5.6	-5.6	6.93E-01	+0.0	0.0	3.05E-01	+0.0	0.0
295.0	6.51E-04	+7.9	-7.8	1.42E-05	+1.8	-1.8	6.03E-05	+5.6	-5.6	6.92E-01	+0.0	0.0	3.06E-01	+0.0	0.0
300.0	6.54E-04	+8.0	-7.8	1.34E-05	+1.8	-1.8	5.75E-05	+5.6	-5.6	6.92E-01	+0.0	0.0	3.07E-01	+0.0	0.0
305.0	6.58E-04	+8.1	-7.9	1.27E-05	+1.8	-1.8	5.49E-05	+5.6	-5.6	6.91E-01	+0.0	0.0	3.08E-01	+0.0	0.0
310.0	6.64E-04	+8.2	-8.0	1.20E-05	+1.9	-1.9	5.23E-05	+5.6	-5.6	6.90E-01	+0.0	0.0	3.08E-01	+0.0	0.0
315.0	6.71E-04	+8.4	-8.1	1.14E-05	+1.9	-1.9	5.00E-05	+5.6	-5.6	6.90E-01	+0.0	0.0	3.09E-01	+0.0	0.0

320.0	6.80E-04	+8.6	-8.2	1.09E-05	+1.9	-1.9	4.79E-05	+5.7	-5.5	6.89E-01	+0.0	0.0	3.09E-01	+0.0	0.0
325.0	6.92E-04	+8.9	-8.4	1.03E-05	+1.9	-1.9	4.58E-05	+5.7	-5.5	6.88E-01	+0.0	0.0	3.10E-01	+0.1	-0.0
330.0	7.07E-04	+9.1	-8.6	9.83E-06	+1.9	-2.0	4.39E-05	+5.6	-5.5	6.88E-01	+0.0	0.0	3.10E-01	+0.1	-0.0
335.0	7.26E-04	+10.0	-9.0	9.37E-06	+2.0	-2.2	4.21E-05	+5.6	-5.5	6.87E-01	+0.0	-0.1	3.11E-01	+0.1	-0.0
340.0	7.51E-04	+10.8	-9.4	8.92E-06	+2.1	-2.5	4.03E-05	+5.6	-5.5	6.87E-01	+0.0	-0.2	3.11E-01	+0.1	-0.0
345.0	7.83E-04	+10.1	-9.9	8.44E-06	+4.1	-5.2	3.88E-05	+6.7	-7.1	6.85E-01	+0.7	-1.1	3.11E-01	+0.8	-1.0
350.0	8.14E-04	+9.5	-10.5	7.73E-06	+6.1	-7.9	3.65E-05	+7.7	-8.6	6.76E-01	+1.4	-2.0	3.07E-01	+1.5	-2.0
360.0	8.51E-04	+8.6	-8.4	6.25E-06	+9.4	-8.7	3.18E-05	+9.5	-8.8	6.51E-01	+2.6	-2.3	2.97E-01	+2.7	-2.0
370.0	8.64E-04	+8.4	-7.7	5.04E-06	+10.4	-9.0	2.77E-05	+9.8	-8.7	6.28E-01	+2.9	-2.3	2.87E-01	+2.9	-2.0
380.0	8.61E-04	+8.5	-7.5	4.06E-06	+10.9	-9.4	2.43E-05	+9.9	-8.6	6.09E-01	+3.1	-2.3	2.80E-01	+3.0	-2.0
390.0	8.50E-04	+8.7	-7.5	3.28E-06	+11.3	-9.5	2.14E-05	+9.9	-8.5	5.94E-01	+3.1	-2.2	2.74E-01	+3.1	-2.0
400.0	8.32E-04	+8.9	-7.6	2.65E-06	+11.5	-9.7	1.90E-05	+9.9	-8.4	5.82E-01	+3.1	-2.1	2.69E-01	+3.1	-2.0
410.0	8.11E-04	+9.1	-7.7	2.15E-06	+11.8	-9.7	1.70E-05	+9.8	-8.2	5.72E-01	+3.1	-2.0	2.66E-01	+3.0	-2.0
420.0	7.89E-04	+9.2	-7.8	1.74E-06	+11.9	-9.7	1.53E-05	+9.6	-8.1	5.65E-01	+3.1	-1.9	2.63E-01	+3.0	-1.0
430.0	7.65E-04	+9.3	-7.9	1.41E-06	+12.2	-9.9	1.39E-05	+9.5	-8.0	5.59E-01	+3.0	-1.9	2.61E-01	+3.0	-1.0
440.0	7.41E-04	+9.4	-8.0	1.15E-06	+12.1	-10.0	1.26E-05	+9.4	-7.8	5.55E-01	+3.0	-1.8	2.60E-01	+2.9	-1.0
450.0	7.18E-04	+9.5	-8.0	9.28E-07	+12.3	-10.0	1.15E-05	+9.2	-7.6	5.51E-01	+2.9	-1.7	2.59E-01	+2.8	-1.0
460.0	6.94E-04	+9.6	-8.1	7.51E-07	+12.2	-10.0	1.05E-05	+9.1	-7.4	5.49E-01	+2.8	-1.6	2.59E-01	+2.8	-1.0
470.0	6.71E-04	+9.6	-8.1	6.05E-07	+12.5	-9.7	9.64E-06	+9.0	-7.4	5.47E-01	+2.8	-1.6	2.59E-01	+2.7	-1.0
480.0	6.48E-04	+9.7	-8.1	4.87E-07	+12.4	-9.6	8.88E-06	+8.8	-7.2	5.46E-01	+2.7	-1.5	2.60E-01	+2.6	-1.0
490.0	6.26E-04	+9.7	-8.2	3.90E-07	+12.1	-9.4	8.19E-06	+8.7	-7.1	5.46E-01	+2.6	-1.4	2.60E-01	+2.6	-1.0
500.0	6.04E-04	+9.9	-7.9	3.12E-07	+11.9	-8.7	7.58E-06	+8.7	-6.7	5.46E-01	+2.4	-1.1	2.61E-01	+2.3	-1.0
510.0	5.83E-04	+9.9	-8.0	2.47E-07	+11.6	-8.0	7.03E-06	+8.7	-6.6	5.46E-01	+2.3	-1.1	2.62E-01	+2.4	-1.0
520.0	5.62E-04	+10.1	-8.0	1.96E-07	+10.9	-7.2	6.53E-06	+8.6	-6.5	5.47E-01	+2.4	-1.1	2.63E-01	+2.4	-1.0
530.0	5.42E-04	+10.1	-8.2	1.56E-07	+9.8	-5.9	6.08E-06	+8.6	-6.5	5.48E-01	+2.4	-1.1	2.64E-01	+2.4	-1.0
540.0	5.24E-04	+10.2	-8.3	1.24E-07	+8.3	-4.2	5.67E-06	+8.6	-6.5	5.49E-01	+2.4	-1.2	2.65E-01	+2.5	-1.0
550.0	5.05E-04	+10.4	-8.4	9.90E-08	+6.1	-2.7	5.30E-06	+8.6	-6.6	5.50E-01	+2.4	-1.2	2.66E-01	+2.5	-1.0
560.0	4.88E-04	+10.5	-8.6	8.10E-08	+8.7	-3.2	4.95E-06	+8.6	-6.6	5.52E-01	+2.5	-1.2	2.67E-01	+2.5	-1.0
570.0	4.71E-04	+10.6	-8.7	6.83E-08	+11.5	-7.2	4.64E-06	+8.6	-6.7	5.53E-01	+2.5	-1.2	2.68E-01	+2.5	-1.0
580.0	4.55E-04	+10.7	-8.9	5.91E-08	+15.2	-10.3	4.35E-06	+8.7	-6.9	5.55E-01	+2.5	-1.2	2.70E-01	+2.5	-1.0
590.0	4.39E-04	+10.9	-8.9	5.33E-08	+17.8	-13.5	4.08E-06	+8.9	-6.9	5.57E-01	+2.5	-1.3	2.71E-01	+2.5	-1.0
600.0	4.24E-04	+11.1	-9.1	5.03E-08	+20.7	-16.0	3.84E-06	+9.2	-7.1	5.58E-01	+2.5	-1.3	2.72E-01	+2.5	-1.0
610.0	4.10E-04	+11.0	-9.3	4.86E-08	+22.0	-17.2	3.61E-06	+9.3	-7.5	5.60E-01	+2.5	-1.3	2.74E-01	+2.6	-1.0
620.0	3.96E-04	+11.2	-9.4	4.82E-08	+24.2	-19.1	3.40E-06	+9.4	-7.6	5.62E-01	+2.6	-1.3	2.75E-01	+2.6	-1.0
630.0	3.82E-04	+11.4	-9.5	4.93E-08	+27.1	-20.8	3.21E-06	+9.7	-7.8	5.64E-01	+2.5	-1.3	2.76E-01	+2.6	-1.0
640.0	3.69E-04	+11.6	-9.8	5.29E-08	+28.1	-22.8	3.03E-06	+9.9	-8.1	5.66E-01	+2.6	-1.3	2.77E-01	+2.6	-1.0
650.0	3.57E-04	+11.8	-9.9	5.82E-08	+28.0	-23.9	2.86E-06	+10.1	-8.3	5.68E-01	+2.6	-1.3	2.79E-01	+2.6	-1.0
660.0	3.45E-04	+11.9	-10.2	6.60E-08	+27.1	-23.1	2.70E-06	+10.3	-8.5	5.70E-01	+2.6	-1.3	2.80E-01	+2.6	-1.0
670.0	3.33E-04	+12.1	-10.3	7.56E-08	+25.1	-21.7	2.56E-06	+10.6	-8.7	5.71E-01	+2.6	-1.3	2.81E-01	+2.6	-1.0
680.0	3.22E-04	+12.4	-10.5	8.65E-08	+22.7	-20.2	2.42E-06	+10.8	-8.9	5.73E-01	+2.6	-1.3	2.82E-01	+2.6	-1.0
690.0	3.12E-04	+12.5	-10.8	9.86E-08	+21.2	-18.5	2.30E-06	+11.1	-9.2	5.75E-01	+2.6	-1.3	2.84E-01	+2.6	-1.0
700.0	3.01E-04	+12.7	-11.0	1.11E-07	+20.1	-17.1	2.18E-06	+11.4	-9.5	5.77E-01	+2.6	-1.3	2.85E-01	+2.6	-1.0
710.0	2.91E-04	+13.0	-11.2	1.24E-07	+18.8	-16.0	2.07E-06	+11.6	-9.8	5.79E-01	+2.6	-1.3	2.86E-01	+2.6	-1.0
720.0	2.81E-04	+13.3	-11.5	1.38E-07	+17.6	-15.3	1.96E-06	+12.0	-10.0	5.81E-01	+2.6	-1.3	2.87E-01	+2.6	-1.0
730.0	2.73E-04	+13.6	-11.7	1.52E-07	+17.0	-14.4	1.87E-06	+12.2	-10.3	5.83E-01	+2.6	-1.3	2.88E-01	+2.6	-1.0
740.0	2.63E-04	+13.9	-11.9	1.65E-07	+16.4	-14.0	1.77E-06	+12.5	-10.6	5.84E-01	+2.6	-1.3	2.89E-01	+2.6	-1.0
750.0	2.54E-04	+14.1	-12.2	1.79E-07	+16.0	-13.6	1.69E-06	+12.9	-10.9	5.86E-01	+2.6	-1.3	2.90E-01	+2.6	-1.0
760.0	2.46E-04	+14.4	-12.4	1.92E-07	+15.6	-13.2	1.61E-06	+13.2	-11.2	5.88E-01	+2.6	-1.3	2.91E-01	+2.6	-1.0
770.0	2.38E-04	+14.7	-12.8	2.05E-07	+15.6	-13.0	1.53E-06	+13.6	-11.4	5.89E-01	+2.6	-1.3	2.93E-01	+2.6	-1.0
780.0	2.30E-04	+15.1	-13.0	2.18E-07	+15.1	-12.9	1.46E-06	+13.9	-11.8	5.91E-01	+2.6	-1.3	2.94E-01	+2.6	-1.0

790.0	2.23E-04	+15.5	-13.3	2.31E-07	+15.0	-12.7	1.40E-06	+14.4	-12.2	5.93E-01	+2.7	-1.3	2.95E-01	+2.6	-1.1
800.0	2.16E-04	+15.8	-13.6	2.44E-07	+15.2	-12.7	1.33E-06	+14.8	-12.5	5.94E-01	+2.7	-1.3	2.96E-01	+2.7	-1.1
810.0	2.09E-04	+16.3	-13.9	2.57E-07	+15.0	-12.7	1.27E-06	+15.1	-12.8	5.96E-01	+2.7	-1.3	2.96E-01	+2.7	-1.1
820.0	2.02E-04	+16.8	-14.2	2.69E-07	+15.3	-12.6	1.22E-06	+15.6	-13.2	5.98E-01	+2.7	-1.4	2.97E-01	+2.7	-1.1
830.0	1.96E-04	+17.1	-14.6	2.82E-07	+15.3	-12.6	1.16E-06	+16.2	-13.5	5.99E-01	+2.7	-1.4	2.98E-01	+2.7	-1.1
840.0	1.90E-04	+17.6	-14.9	2.93E-07	+15.4	-12.8	1.12E-06	+16.6	-13.9	6.01E-01	+2.7	-1.4	2.99E-01	+2.7	-1.1
850.0	1.84E-04	+18.1	-15.2	3.03E-07	+15.7	-12.8	1.07E-06	+17.1	-14.2	6.02E-01	+2.7	-1.4	3.00E-01	+2.7	-1.1
860.0	1.78E-04	+18.6	-15.7	3.15E-07	+16.1	-12.9	1.02E-06	+17.6	-14.7	6.04E-01	+2.7	-1.4	3.01E-01	+2.7	-1.1
870.0	1.72E-04	+19.1	-16.0	3.27E-07	+16.2	-13.2	9.83E-07	+18.1	-15.1	6.05E-01	+2.7	-1.4	3.02E-01	+2.7	-1.1
880.0	1.67E-04	+19.7	-16.3	3.38E-07	+16.6	-13.3	9.44E-07	+18.7	-15.4	6.06E-01	+2.8	-1.5	3.03E-01	+2.7	-1.1
890.0	1.62E-04	+20.2	-16.9	3.48E-07	+17.0	-13.5	9.06E-07	+19.3	-15.9	6.08E-01	+2.8	-1.5	3.03E-01	+2.7	-1.1
900.0	1.57E-04	+20.9	-17.1	3.58E-07	+17.1	-13.8	8.71E-07	+19.9	-16.3	6.09E-01	+2.8	-1.5	3.04E-01	+2.8	-1.1
910.0	1.52E-04	+21.4	-17.6	3.67E-07	+17.9	-13.8	8.39E-07	+20.6	-16.7	6.10E-01	+2.8	-1.5	3.05E-01	+2.8	-1.1
920.0	1.48E-04	+22.1	-18.0	3.77E-07	+18.8	-14.1	8.07E-07	+21.2	-17.2	6.12E-01	+2.8	-1.5	3.06E-01	+2.8	-1.1
930.0	1.44E-04	+22.8	-18.5	3.86E-07	+18.9	-15.0	7.77E-07	+21.9	-17.6	6.13E-01	+2.8	-1.6	3.06E-01	+2.8	-1.1
940.0	1.39E-04	+23.4	-18.9	3.93E-07	+19.5	-15.0	7.49E-07	+22.7	-18.1	6.14E-01	+2.8	-1.6	3.07E-01	+2.8	-1.1
950.0	1.35E-04	+24.3	-19.3	4.00E-07	+20.1	-15.3	7.22E-07	+23.4	-18.5	6.16E-01	+2.8	-1.6	3.08E-01	+2.8	-1.1
960.0	1.31E-04	+25.1	-19.8	4.09E-07	+20.9	-15.6	6.97E-07	+24.3	-19.0	6.17E-01	+2.8	-1.6	3.09E-01	+2.8	-1.1
970.0	1.27E-04	+25.8	-20.3	4.17E-07	+21.5	-16.0	6.74E-07	+25.1	-19.5	6.18E-01	+2.8	-1.6	3.09E-01	+2.8	-1.1
980.0	1.23E-04	+26.8	-20.8	4.26E-07	+22.3	-16.3	6.51E-07	+26.0	-20.0	6.19E-01	+2.9	-1.6	3.10E-01	+2.8	-1.1
990.0	1.19E-04	+27.7	-21.3	4.33E-07	+23.0	-16.8	6.29E-07	+26.9	-20.5	6.20E-01	+2.9	-1.6	3.10E-01	+2.8	-1.1
1000.0	1.16E-04	+28.6	-21.8	4.39E-07	+24.0	-17.1	6.08E-07	+27.8	-21.0	6.21E-01	+2.9	-1.7	3.11E-01	+2.8	-1.1

Higgs 4 fermions

H III, I I

M_H (GeV)	H $l^+l^-l^+l^-$ l=e,μ	H $l^+l^-l^+l^-$ l=e,μ	H $e^+e^-e^+e^-$	H $e^+e^-μ^+μ^-$	H $l^+l^-l^+l^-$ l=e, μ or τ, =any	H $l^+l^-l^+l^-$ l=e or μ, =any	H $e^+e^-e^+e^-$ e	H $e^+e^-e^+e^-$ μ	ΔBR [%]
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	5.8
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	5.8
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	5.7
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	5.6
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	5.4
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	5.4
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	5.4
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	5.4
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	5.3
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	5.3
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	5.3
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	5.2
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	5.2
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	5.2
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	5.2
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	5.1
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	5.1
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	5.0
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	5.0
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	5.0

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	4.9
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	4.9
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	4.8
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	4.8
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	4.8
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	4.7
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	4.7
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	4.6
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	4.6
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	4.5
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	4.5
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	4.4
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	4.4
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	4.3
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	4.3
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	4.2
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	4.1
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	4.1
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	4.0
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	4.0
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	3.9
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	3.8
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	3.8
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	3.7
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	3.7
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	3.6
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	3.5
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	3.5
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	3.4
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	3.3
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	3.3
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	3.2
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	3.1
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	3.1
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	3.0
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	2.9
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	2.8
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	2.6
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	2.5
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	2.4
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	2.2
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	2.1
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	1.9
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	1.8
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	1.7
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	1.6
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	1.5
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	1.4
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	1.3
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	1.2

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	1.2
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	1.1
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	1.0
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	0.9
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	0.9
151.0	8.43E-04	3.78E-04	9.64E-05	1.85E-04	7.87E-02	3.56E-02	8.64E-03	8.43E-03	0.8
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	0.7
153.0	8.13E-04	3.64E-04	9.29E-05	1.78E-04	8.27E-02	3.74E-02	9.10E-03	8.89E-03	0.7
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	0.6
155.0	7.55E-04	3.38E-04	8.60E-05	1.65E-04	8.69E-02	3.92E-02	9.57E-03	9.36E-03	0.5
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	0.5
157.0	6.57E-04	2.94E-04	7.49E-05	1.44E-04	9.11E-02	4.10E-02	1.01E-02	9.87E-03	0.4
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	0.3
159.0	5.12E-04	2.29E-04	5.82E-05	1.12E-04	9.56E-02	4.29E-02	1.06E-02	1.04E-02	0.3
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	0.2
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	0.2
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	0.1
165.0	2.27E-04	1.01E-04	2.57E-05	4.99E-05	1.03E-01	4.58E-02	1.14E-02	1.13E-02	0.1
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	0.1
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	0.1
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	0.1
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	0.0
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	0.0
175.0	3.29E-04	1.47E-04	3.70E-05	7.27E-05	1.03E-01	4.61E-02	1.14E-02	1.13E-02	0.0
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	0.0
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	0.0
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	0.0
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	0.0
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	0.0
185.0	1.52E-03	6.76E-04	1.70E-04	3.38E-04	9.55E-02	4.38E-02	1.06E-02	9.97E-03	0.0
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	0.0
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	0.0
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	0.0
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	0.0
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	0.0
195.0	2.42E-03	1.07E-03	2.69E-04	5.37E-04	8.99E-02	4.21E-02	9.98E-03	8.93E-03	0.0
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	0.0
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	0.0
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	0.0
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	0.0
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	0.0
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	0.0
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	0.0
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	0.0
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	0.0
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	0.0
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	0.0
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	0.0
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	0.0
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	0.0

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	0.0
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	0.0
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	0.0
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	0.0
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	0.0
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	0.0
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	0.0
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	0.0
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	0.0
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	0.0
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	0.0
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	0.0
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	0.0
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	0.0
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	0.0
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	0.0
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	0.0
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	0.0
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	0.0
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	0.0
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	0.0
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	0.0
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	0.0
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	0.0
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	0.0
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	0.0
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	0.0
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	0.0
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	0.0
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	0.0
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	0.0
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	0.0
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	0.0
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	0.0
295.0	3.10E-03	1.38E-03	3.45E-04	6.88E-04	8.57E-02	4.08E-02	9.53E-03	8.15E-03	0.0
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	0.0
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	0.0
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	0.0
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	0.0
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	0.0
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	0.0
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	0.0
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	0.0
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	0.0
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	0.7
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	1.4
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	2.6
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	2.9
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	3.1
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	3.1

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	3.1
410.0	2.69E-03	1.20E-03	2.99E-04	5.98E-04	7.14E-02	3.41E-02	7.94E-03	6.75E-03	3.1
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	3.1
430.0	2.65E-03	1.18E-03	2.94E-04	5.89E-04	6.99E-02	3.34E-02	7.76E-03	6.59E-03	3.0
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	3.0
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	2.9
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	2.8
470.0	2.63E-03	1.17E-03	2.92E-04	5.84E-04	6.86E-02	3.28E-02	7.62E-03	6.46E-03	2.8
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	2.7
490.0	2.64E-03	1.17E-03	2.93E-04	5.87E-04	6.85E-02	3.28E-02	7.61E-03	6.44E-03	2.6
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	2.4
510.0	2.66E-03	1.18E-03	2.95E-04	5.90E-04	6.86E-02	3.28E-02	7.62E-03	6.45E-03	2.3
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	2.4
530.0	2.68E-03	1.19E-03	2.97E-04	5.95E-04	6.89E-02	3.30E-02	7.65E-03	6.47E-03	2.4
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	2.4
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	2.4
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	2.5
570.0	2.73E-03	1.21E-03	3.03E-04	6.06E-04	6.96E-02	3.34E-02	7.74E-03	6.53E-03	2.5
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	2.5
590.0	2.75E-03	1.22E-03	3.06E-04	6.12E-04	7.01E-02	3.36E-02	7.79E-03	6.57E-03	2.5
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	2.5
610.0	2.78E-03	1.24E-03	3.09E-04	6.18E-04	7.06E-02	3.38E-02	7.84E-03	6.61E-03	2.5
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	2.6
630.0	2.81E-03	1.25E-03	3.12E-04	6.24E-04	7.11E-02	3.41E-02	7.90E-03	6.66E-03	2.5
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	2.6
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	2.6
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	2.6
670.0	2.86E-03	1.27E-03	3.18E-04	6.35E-04	7.21E-02	3.46E-02	8.02E-03	6.75E-03	2.6
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	2.6
690.0	2.88E-03	1.28E-03	3.20E-04	6.41E-04	7.26E-02	3.48E-02	8.07E-03	6.80E-03	2.6
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	2.6
710.0	2.91E-03	1.29E-03	3.23E-04	6.46E-04	7.31E-02	3.51E-02	8.13E-03	6.84E-03	2.6
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	2.6
730.0	2.93E-03	1.30E-03	3.26E-04	6.52E-04	7.37E-02	3.53E-02	8.18E-03	6.89E-03	2.6
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	2.6
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	2.6
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	2.6
770.0	2.98E-03	1.32E-03	3.31E-04	6.62E-04	7.46E-02	3.58E-02	8.29E-03	6.97E-03	2.6
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	2.6
790.0	3.00E-03	1.33E-03	3.33E-04	6.67E-04	7.51E-02	3.60E-02	8.34E-03	7.02E-03	2.7
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	2.7
810.0	3.02E-03	1.34E-03	3.35E-04	6.71E-04	7.55E-02	3.62E-02	8.39E-03	7.06E-03	2.7
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	2.7
830.0	3.04E-03	1.35E-03	3.38E-04	6.75E-04	7.60E-02	3.64E-02	8.44E-03	7.10E-03	2.7
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	2.7
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	2.7
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	2.7
870.0	3.08E-03	1.37E-03	3.42E-04	6.84E-04	7.68E-02	3.68E-02	8.53E-03	7.17E-03	2.7
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	2.8
890.0	3.09E-03	1.38E-03	3.44E-04	6.88E-04	7.72E-02	3.70E-02	8.58E-03	7.21E-03	2.8

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	2.8
910.0	3.11E-03	1.38E-03	3.46E-04	6.91E-04	7.76E-02	3.72E-02	8.62E-03	7.24E-03	2.8
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	2.8
930.0	3.13E-03	1.39E-03	3.48E-04	6.95E-04	7.79E-02	3.74E-02	8.66E-03	7.28E-03	2.8
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	2.8
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	2.8
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	2.8
970.0	3.16E-03	1.40E-03	3.51E-04	7.02E-04	7.86E-02	3.77E-02	8.74E-03	7.34E-03	2.8
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	2.9
990.0	3.17E-03	1.41E-03	3.53E-04	7.05E-04	7.90E-02	3.79E-02	8.78E-03	7.37E-03	2.9
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	2.9

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 τ, q=udcsb	l=e or μ, q=udcsb	l=e or μ, q=udcsb	=any, q=udcsb	q=udcsb	f=any type of fermion	
90.0	5.87E-05	3.91E-05	3.03E-04	1.18E-04	1.05E-03	2.37E-03	5.8
95.0	9.31E-05	6.21E-05	6.85E-04	1.87E-04	2.32E-03	5.17E-03	5.8
100.0	1.57E-04	1.04E-04	1.61E-03	3.14E-04	5.34E-03	1.18E-02	5.7
105.0	2.97E-04	1.98E-04	3.52E-03	5.95E-04	1.17E-02	2.58E-02	5.6
110.0	6.06E-04	4.04E-04	6.99E-03	1.21E-03	2.34E-02	5.15E-02	5.4
110.5	6.50E-04	4.34E-04	7.44E-03	1.30E-03	2.50E-02	5.49E-02	5.4
111.0	6.98E-04	4.66E-04	7.92E-03	1.40E-03	2.66E-02	5.85E-02	5.4
111.5	7.50E-04	5.00E-04	8.42E-03	1.50E-03	2.83E-02	6.23E-02	5.4
112.0	8.04E-04	5.36E-04	8.94E-03	1.61E-03	3.01E-02	6.62E-02	5.3
112.5	8.62E-04	5.75E-04	9.48E-03	1.72E-03	3.20E-02	7.03E-02	5.3
113.0	9.23E-04	6.16E-04	1.01E-02	1.85E-03	3.40E-02	7.46E-02	5.3
113.5	9.89E-04	6.59E-04	1.06E-02	1.98E-03	3.60E-02	7.91E-02	5.2
114.0	1.06E-03	7.05E-04	1.13E-02	2.11E-03	3.81E-02	8.38E-02	5.2
114.5	1.13E-03	7.54E-04	1.19E-02	2.26E-03	4.04E-02	8.87E-02	5.2
115.0	1.21E-03	8.05E-04	1.26E-02	2.41E-03	4.27E-02	9.38E-02	5.2
115.5	1.29E-03	8.59E-04	1.33E-02	2.58E-03	4.51E-02	9.90E-02	5.1
116.0	1.37E-03	9.16E-04	1.40E-02	2.75E-03	4.76E-02	1.05E-01	5.1
116.5	1.46E-03	9.76E-04	1.47E-02	2.93E-03	5.03E-02	1.10E-01	5.0
117.0	1.56E-03	1.04E-03	1.55E-02	3.11E-03	5.30E-02	1.16E-01	5.0
117.5	1.66E-03	1.10E-03	1.63E-02	3.31E-03	5.58E-02	1.22E-01	5.0
118.0	1.76E-03	1.17E-03	1.71E-02	3.52E-03	5.87E-02	1.29E-01	4.9
118.5	1.87E-03	1.25E-03	1.80E-02	3.73E-03	6.17E-02	1.35E-01	4.9

119.0	1.98E-03	1.32E-03	1.89E-02	3.96E-03	6.48E-02	1.42E-01	4.8
119.5	2.10E-03	1.40E-03	1.98E-02	4.19E-03	6.80E-02	1.49E-01	4.8
120.0	2.22E-03	1.48E-03	2.07E-02	4.44E-03	7.13E-02	1.56E-01	4.8
120.5	2.35E-03	1.57E-03	2.16E-02	4.69E-03	7.47E-02	1.64E-01	4.7
121.0	2.48E-03	1.65E-03	2.26E-02	4.95E-03	7.82E-02	1.71E-01	4.7
121.5	2.62E-03	1.74E-03	2.36E-02	5.22E-03	8.18E-02	1.79E-01	4.6
122.0	2.76E-03	1.84E-03	2.47E-02	5.50E-03	8.55E-02	1.87E-01	4.6
122.5	2.90E-03	1.94E-03	2.57E-02	5.80E-03	8.92E-02	1.95E-01	4.5
123.0	3.06E-03	2.04E-03	2.68E-02	6.10E-03	9.31E-02	2.04E-01	4.5
123.5	3.21E-03	2.14E-03	2.79E-02	6.40E-03	9.71E-02	2.13E-01	4.4
124.0	3.37E-03	2.25E-03	2.91E-02	6.72E-03	1.01E-01	2.21E-01	4.4
124.5	3.53E-03	2.36E-03	3.02E-02	7.05E-03	1.05E-01	2.30E-01	4.3
125.0	3.70E-03	2.47E-03	3.14E-02	7.38E-03	1.10E-01	2.40E-01	4.3
125.5	3.87E-03	2.58E-03	3.26E-02	7.73E-03	1.14E-01	2.49E-01	4.2
126.0	4.05E-03	2.70E-03	3.38E-02	8.08E-03	1.18E-01	2.59E-01	4.1
126.5	4.23E-03	2.82E-03	3.51E-02	8.44E-03	1.23E-01	2.68E-01	4.1
127.0	4.42E-03	2.94E-03	3.64E-02	8.81E-03	1.27E-01	2.78E-01	4.0
127.5	4.60E-03	3.07E-03	3.76E-02	9.18E-03	1.32E-01	2.89E-01	4.0
128.0	4.79E-03	3.20E-03	3.89E-02	9.56E-03	1.37E-01	2.99E-01	3.9
128.5	4.99E-03	3.32E-03	4.03E-02	9.94E-03	1.41E-01	3.09E-01	3.8
129.0	5.18E-03	3.46E-03	4.16E-02	1.03E-02	1.46E-01	3.20E-01	3.8
129.5	5.38E-03	3.59E-03	4.30E-02	1.07E-02	1.51E-01	3.30E-01	3.7
130.0	5.59E-03	3.72E-03	4.43E-02	1.11E-02	1.56E-01	3.41E-01	3.7
130.5	5.79E-03	3.86E-03	4.57E-02	1.15E-02	1.61E-01	3.52E-01	3.6
131.0	6.00E-03	4.00E-03	4.71E-02	1.20E-02	1.66E-01	3.63E-01	3.5
131.5	6.21E-03	4.14E-03	4.85E-02	1.24E-02	1.71E-01	3.74E-01	3.5
132.0	6.41E-03	4.28E-03	4.99E-02	1.28E-02	1.76E-01	3.85E-01	3.4
132.5	6.62E-03	4.42E-03	5.14E-02	1.32E-02	1.81E-01	3.96E-01	3.3
133.0	6.83E-03	4.56E-03	5.28E-02	1.36E-02	1.87E-01	4.08E-01	3.3
133.5	7.05E-03	4.70E-03	5.42E-02	1.40E-02	1.92E-01	4.19E-01	3.2
134.0	7.26E-03	4.84E-03	5.57E-02	1.45E-02	1.97E-01	4.31E-01	3.1
134.5	7.47E-03	4.98E-03	5.72E-02	1.49E-02	2.02E-01	4.42E-01	3.1
135.0	7.68E-03	5.12E-03	5.86E-02	1.53E-02	2.08E-01	4.53E-01	3.0
135.5	7.89E-03	5.26E-03	6.01E-02	1.57E-02	2.13E-01	4.65E-01	2.9
136.0	8.09E-03	5.39E-03	6.16E-02	1.61E-02	2.18E-01	4.76E-01	2.8
136.5	8.30E-03	5.53E-03	6.30E-02	1.65E-02	2.23E-01	4.88E-01	2.6
137.0	8.50E-03	5.67E-03	6.45E-02	1.69E-02	2.29E-01	4.99E-01	2.5
137.5	8.70E-03	5.80E-03	6.60E-02	1.73E-02	2.34E-01	5.11E-01	2.4
138.0	8.90E-03	5.93E-03	6.75E-02	1.77E-02	2.39E-01	5.22E-01	2.2
138.5	9.10E-03	6.06E-03	6.90E-02	1.81E-02	2.45E-01	5.34E-01	2.1
139.0	9.29E-03	6.19E-03	7.04E-02	1.85E-02	2.50E-01	5.45E-01	1.9
139.5	9.47E-03	6.31E-03	7.19E-02	1.89E-02	2.55E-01	5.57E-01	1.8
140.0	9.65E-03	6.44E-03	7.34E-02	1.92E-02	2.60E-01	5.68E-01	1.7
141.0	1.00E-02	6.67E-03	7.63E-02	1.99E-02	2.70E-01	5.91E-01	1.6
142.0	1.03E-02	6.89E-03	7.92E-02	2.06E-02	2.81E-01	6.13E-01	1.5
143.0	1.06E-02	7.08E-03	8.21E-02	2.11E-02	2.91E-01	6.35E-01	1.4
144.0	1.09E-02	7.26E-03	8.50E-02	2.17E-02	3.00E-01	6.56E-01	1.3
145.0	1.11E-02	7.42E-03	8.79E-02	2.21E-02	3.10E-01	6.77E-01	1.2
146.0	1.13E-02	7.55E-03	9.07E-02	2.25E-02	3.20E-01	6.98E-01	1.2
147.0	1.15E-02	7.65E-03	9.36E-02	2.28E-02	3.29E-01	7.19E-01	1.1

148.0	1.16E-02	7.71E-03	9.64E-02	2.30E-02	3.38E-01	7.39E-01	1.0
149.0	1.16E-02	7.74E-03	9.92E-02	2.31E-02	3.47E-01	7.58E-01	0.9
150.0	1.16E-02	7.73E-03	1.02E-01	2.31E-02	3.56E-01	7.77E-01	0.9
151.0	1.15E-02	7.68E-03	1.05E-01	2.29E-02	3.64E-01	7.96E-01	0.8
152.0	1.14E-02	7.57E-03	1.08E-01	2.26E-02	3.72E-01	8.14E-01	0.7
153.0	1.11E-02	7.41E-03	1.10E-01	2.21E-02	3.80E-01	8.32E-01	0.7
154.0	1.08E-02	7.18E-03	1.13E-01	2.14E-02	3.88E-01	8.49E-01	0.6
155.0	1.03E-02	6.88E-03	1.16E-01	2.05E-02	3.96E-01	8.67E-01	0.5
156.0	9.73E-03	6.49E-03	1.19E-01	1.94E-02	4.04E-01	8.84E-01	0.5
157.0	9.00E-03	6.00E-03	1.23E-01	1.79E-02	4.11E-01	9.01E-01	0.4
158.0	8.09E-03	5.39E-03	1.26E-01	1.61E-02	4.18E-01	9.17E-01	0.3
159.0	7.01E-03	4.68E-03	1.30E-01	1.39E-02	4.25E-01	9.33E-01	0.3
160.0	5.83E-03	3.88E-03	1.33E-01	1.16E-02	4.32E-01	9.49E-01	0.2
162.0	3.96E-03	2.64E-03	1.38E-01	7.88E-03	4.42E-01	9.70E-01	0.2
164.0	3.25E-03	2.17E-03	1.40E-01	6.47E-03	4.46E-01	9.79E-01	0.1
165.0	3.11E-03	2.07E-03	1.41E-01	6.20E-03	4.47E-01	9.82E-01	0.1
166.0	3.07E-03	2.04E-03	1.41E-01	6.11E-03	4.48E-01	9.84E-01	0.1
168.0	3.12E-03	2.08E-03	1.41E-01	6.21E-03	4.49E-01	9.86E-01	0.1
170.0	3.32E-03	2.21E-03	1.41E-01	6.61E-03	4.50E-01	9.88E-01	0.1
172.0	3.67E-03	2.44E-03	1.41E-01	7.30E-03	4.50E-01	9.89E-01	0.0
174.0	4.19E-03	2.79E-03	1.41E-01	8.34E-03	4.51E-01	9.90E-01	0.0
175.0	4.54E-03	3.02E-03	1.41E-01	9.04E-03	4.51E-01	9.91E-01	0.0
176.0	4.98E-03	3.32E-03	1.40E-01	9.92E-03	4.51E-01	9.91E-01	0.0
178.0	6.24E-03	4.16E-03	1.39E-01	1.24E-02	4.52E-01	9.91E-01	0.0
180.0	8.47E-03	5.65E-03	1.37E-01	1.69E-02	4.53E-01	9.92E-01	0.0
182.0	1.27E-02	8.44E-03	1.32E-01	2.52E-02	4.54E-01	9.93E-01	0.0
184.0	1.85E-02	1.23E-02	1.26E-01	3.69E-02	4.56E-01	9.93E-01	0.0
185.0	2.11E-02	1.40E-02	1.23E-01	4.20E-02	4.57E-01	9.94E-01	0.0
186.0	2.34E-02	1.56E-02	1.21E-01	4.66E-02	4.57E-01	9.94E-01	0.0
188.0	2.69E-02	1.79E-02	1.18E-01	5.36E-02	4.58E-01	9.94E-01	0.0
190.0	2.95E-02	1.97E-02	1.15E-01	5.87E-02	4.59E-01	9.95E-01	0.0
192.0	3.14E-02	2.09E-02	1.13E-01	6.26E-02	4.60E-01	9.95E-01	0.0
194.0	3.29E-02	2.20E-02	1.12E-01	6.56E-02	4.60E-01	9.95E-01	0.0
195.0	3.36E-02	2.24E-02	1.11E-01	6.69E-02	4.61E-01	9.96E-01	0.0
196.0	3.42E-02	2.28E-02	1.10E-01	6.80E-02	4.61E-01	9.96E-01	0.0
198.0	3.51E-02	2.34E-02	1.09E-01	7.00E-02	4.61E-01	9.96E-01	0.0
200.0	3.60E-02	2.40E-02	1.08E-01	7.16E-02	4.61E-01	9.96E-01	0.0
202.0	3.67E-02	2.44E-02	1.08E-01	7.30E-02	4.61E-01	9.96E-01	0.0
204.0	3.72E-02	2.48E-02	1.07E-01	7.42E-02	4.62E-01	9.96E-01	0.0
206.0	3.77E-02	2.52E-02	1.07E-01	7.52E-02	4.62E-01	9.96E-01	0.0
208.0	3.82E-02	2.55E-02	1.06E-01	7.61E-02	4.62E-01	9.97E-01	0.0
210.0	3.86E-02	2.57E-02	1.06E-01	7.68E-02	4.62E-01	9.97E-01	0.0
212.0	3.89E-02	2.59E-02	1.06E-01	7.75E-02	4.62E-01	9.97E-01	0.0
214.0	3.92E-02	2.61E-02	1.05E-01	7.81E-02	4.62E-01	9.97E-01	0.0
216.0	3.95E-02	2.63E-02	1.05E-01	7.86E-02	4.63E-01	9.97E-01	0.0
218.0	3.97E-02	2.65E-02	1.05E-01	7.91E-02	4.63E-01	9.97E-01	0.0
220.0	3.99E-02	2.66E-02	1.05E-01	7.95E-02	4.63E-01	9.97E-01	0.0
222.0	4.01E-02	2.67E-02	1.04E-01	7.99E-02	4.63E-01	9.97E-01	0.0
224.0	4.03E-02	2.69E-02	1.04E-01	8.02E-02	4.63E-01	9.97E-01	0.0
226.0	4.04E-02	2.70E-02	1.04E-01	8.06E-02	4.63E-01	9.97E-01	0.0

228.0	4.06E-02	2.71E-02	1.04E-01	8.09E-02	4.63E-01	9.97E-01	0.0
230.0	4.07E-02	2.72E-02	1.04E-01	8.12E-02	4.63E-01	9.98E-01	0.0
232.0	4.09E-02	2.73E-02	1.04E-01	8.14E-02	4.63E-01	9.98E-01	0.0
234.0	4.10E-02	2.73E-02	1.03E-01	8.17E-02	4.63E-01	9.98E-01	0.0
236.0	4.11E-02	2.74E-02	1.03E-01	8.19E-02	4.63E-01	9.98E-01	0.0
238.0	4.12E-02	2.75E-02	1.03E-01	8.21E-02	4.63E-01	9.98E-01	0.0
240.0	4.13E-02	2.76E-02	1.03E-01	8.23E-02	4.63E-01	9.98E-01	0.0
242.0	4.14E-02	2.76E-02	1.03E-01	8.25E-02	4.63E-01	9.98E-01	0.0
244.0	4.15E-02	2.77E-02	1.03E-01	8.27E-02	4.64E-01	9.98E-01	0.0
246.0	4.16E-02	2.77E-02	1.03E-01	8.29E-02	4.64E-01	9.98E-01	0.0
248.0	4.17E-02	2.78E-02	1.03E-01	8.30E-02	4.64E-01	9.98E-01	0.0
250.0	4.18E-02	2.78E-02	1.03E-01	8.32E-02	4.64E-01	9.98E-01	0.0
252.0	4.18E-02	2.79E-02	1.03E-01	8.34E-02	4.64E-01	9.98E-01	0.0
254.0	4.19E-02	2.79E-02	1.03E-01	8.35E-02	4.64E-01	9.98E-01	0.0
256.0	4.20E-02	2.80E-02	1.02E-01	8.37E-02	4.64E-01	9.98E-01	0.0
258.0	4.21E-02	2.80E-02	1.02E-01	8.38E-02	4.64E-01	9.98E-01	0.0
260.0	4.21E-02	2.81E-02	1.02E-01	8.39E-02	4.64E-01	9.98E-01	0.0
262.0	4.22E-02	2.81E-02	1.02E-01	8.41E-02	4.64E-01	9.98E-01	0.0
264.0	4.23E-02	2.82E-02	1.02E-01	8.42E-02	4.64E-01	9.98E-01	0.0
266.0	4.23E-02	2.82E-02	1.02E-01	8.43E-02	4.64E-01	9.98E-01	0.0
268.0	4.24E-02	2.83E-02	1.02E-01	8.44E-02	4.64E-01	9.98E-01	0.0
270.0	4.24E-02	2.83E-02	1.02E-01	8.45E-02	4.64E-01	9.98E-01	0.0
272.0	4.25E-02	2.83E-02	1.02E-01	8.47E-02	4.64E-01	9.98E-01	0.0
274.0	4.26E-02	2.84E-02	1.02E-01	8.48E-02	4.64E-01	9.98E-01	0.0
276.0	4.26E-02	2.84E-02	1.02E-01	8.49E-02	4.64E-01	9.98E-01	0.0
278.0	4.27E-02	2.84E-02	1.02E-01	8.50E-02	4.64E-01	9.98E-01	0.0
280.0	4.27E-02	2.85E-02	1.02E-01	8.51E-02	4.64E-01	9.98E-01	0.0
282.0	4.28E-02	2.85E-02	1.02E-01	8.52E-02	4.64E-01	9.98E-01	0.0
284.0	4.28E-02	2.85E-02	1.02E-01	8.53E-02	4.64E-01	9.98E-01	0.0
286.0	4.29E-02	2.86E-02	1.02E-01	8.54E-02	4.64E-01	9.98E-01	0.0
288.0	4.29E-02	2.86E-02	1.02E-01	8.55E-02	4.64E-01	9.98E-01	0.0
290.0	4.30E-02	2.86E-02	1.02E-01	8.56E-02	4.64E-01	9.98E-01	0.0
295.0	4.31E-02	2.87E-02	1.01E-01	8.58E-02	4.64E-01	9.98E-01	0.0
300.0	4.32E-02	2.88E-02	1.01E-01	8.60E-02	4.64E-01	9.99E-01	0.0
305.0	4.33E-02	2.88E-02	1.01E-01	8.62E-02	4.64E-01	9.99E-01	0.0
310.0	4.34E-02	2.89E-02	1.01E-01	8.64E-02	4.64E-01	9.99E-01	0.0
315.0	4.34E-02	2.90E-02	1.01E-01	8.66E-02	4.64E-01	9.99E-01	0.0
320.0	4.35E-02	2.90E-02	1.01E-01	8.67E-02	4.64E-01	9.98E-01	0.0
325.0	4.36E-02	2.91E-02	1.01E-01	8.68E-02	4.64E-01	9.98E-01	0.0
330.0	4.37E-02	2.91E-02	1.01E-01	8.70E-02	4.64E-01	9.98E-01	0.0
335.0	4.37E-02	2.91E-02	1.01E-01	8.71E-02	4.64E-01	9.98E-01	0.0
340.0	4.37E-02	2.92E-02	1.01E-01	8.72E-02	4.64E-01	9.98E-01	0.0
345.0	4.37E-02	2.91E-02	1.00E-01	8.71E-02	4.63E-01	9.95E-01	0.7
350.0	4.32E-02	2.88E-02	9.90E-02	8.61E-02	4.57E-01	9.83E-01	1.4
360.0	4.17E-02	2.78E-02	9.53E-02	8.31E-02	4.41E-01	9.47E-01	2.6
370.0	4.04E-02	2.69E-02	9.20E-02	8.05E-02	4.26E-01	9.15E-01	2.9
380.0	3.93E-02	2.62E-02	8.92E-02	7.84E-02	4.14E-01	8.89E-01	3.1
390.0	3.85E-02	2.57E-02	8.70E-02	7.67E-02	4.04E-01	8.68E-01	3.1
400.0	3.79E-02	2.52E-02	8.52E-02	7.54E-02	3.96E-01	8.51E-01	3.1
410.0	3.74E-02	2.49E-02	8.38E-02	7.44E-02	3.90E-01	8.38E-01	3.1

420.0	3.70E-02	2.47E-02	8.27E-02	7.37E-02	3.85E-01	8.28E-01	3.1
430.0	3.68E-02	2.45E-02	8.19E-02	7.32E-02	3.82E-01	8.20E-01	3.0
440.0	3.66E-02	2.44E-02	8.12E-02	7.29E-02	3.79E-01	8.15E-01	3.0
450.0	3.65E-02	2.44E-02	8.08E-02	7.27E-02	3.77E-01	8.11E-01	2.9
460.0	3.65E-02	2.43E-02	8.04E-02	7.27E-02	3.76E-01	8.08E-01	2.8
470.0	3.65E-02	2.43E-02	8.02E-02	7.27E-02	3.75E-01	8.07E-01	2.8
480.0	3.65E-02	2.44E-02	8.01E-02	7.28E-02	3.75E-01	8.06E-01	2.7
490.0	3.66E-02	2.44E-02	8.00E-02	7.29E-02	3.75E-01	8.06E-01	2.6
500.0	3.67E-02	2.45E-02	8.00E-02	7.31E-02	3.75E-01	8.07E-01	2.4
510.0	3.68E-02	2.46E-02	8.01E-02	7.33E-02	3.76E-01	8.08E-01	2.3
520.0	3.70E-02	2.47E-02	8.02E-02	7.36E-02	3.77E-01	8.10E-01	2.4
530.0	3.71E-02	2.48E-02	8.03E-02	7.39E-02	3.78E-01	8.12E-01	2.4
540.0	3.73E-02	2.49E-02	8.05E-02	7.42E-02	3.79E-01	8.14E-01	2.4
550.0	3.75E-02	2.50E-02	8.06E-02	7.45E-02	3.80E-01	8.16E-01	2.4
560.0	3.76E-02	2.51E-02	8.09E-02	7.49E-02	3.81E-01	8.19E-01	2.5
570.0	3.78E-02	2.52E-02	8.11E-02	7.52E-02	3.82E-01	8.22E-01	2.5
580.0	3.80E-02	2.53E-02	8.13E-02	7.56E-02	3.84E-01	8.25E-01	2.5
590.0	3.82E-02	2.54E-02	8.16E-02	7.60E-02	3.85E-01	8.28E-01	2.5
600.0	3.83E-02	2.56E-02	8.18E-02	7.63E-02	3.87E-01	8.31E-01	2.5
610.0	3.85E-02	2.57E-02	8.21E-02	7.67E-02	3.88E-01	8.34E-01	2.5
620.0	3.87E-02	2.58E-02	8.24E-02	7.70E-02	3.89E-01	8.37E-01	2.6
630.0	3.89E-02	2.59E-02	8.27E-02	7.74E-02	3.91E-01	8.40E-01	2.5
640.0	3.91E-02	2.61E-02	8.29E-02	7.78E-02	3.92E-01	8.43E-01	2.6
650.0	3.93E-02	2.62E-02	8.32E-02	7.81E-02	3.94E-01	8.46E-01	2.6
660.0	3.94E-02	2.63E-02	8.35E-02	7.85E-02	3.95E-01	8.50E-01	2.6
670.0	3.96E-02	2.64E-02	8.38E-02	7.88E-02	3.97E-01	8.53E-01	2.6
680.0	3.98E-02	2.65E-02	8.40E-02	7.92E-02	3.98E-01	8.56E-01	2.6
690.0	4.00E-02	2.66E-02	8.43E-02	7.95E-02	3.99E-01	8.59E-01	2.6
700.0	4.01E-02	2.68E-02	8.46E-02	7.98E-02	4.01E-01	8.62E-01	2.6
710.0	4.03E-02	2.69E-02	8.48E-02	8.02E-02	4.02E-01	8.65E-01	2.6
720.0	4.05E-02	2.70E-02	8.51E-02	8.05E-02	4.04E-01	8.68E-01	2.6
730.0	4.06E-02	2.71E-02	8.54E-02	8.08E-02	4.05E-01	8.71E-01	2.6
740.0	4.08E-02	2.72E-02	8.56E-02	8.11E-02	4.06E-01	8.74E-01	2.6
750.0	4.09E-02	2.73E-02	8.59E-02	8.14E-02	4.08E-01	8.76E-01	2.6
760.0	4.11E-02	2.74E-02	8.62E-02	8.17E-02	4.09E-01	8.79E-01	2.6
770.0	4.12E-02	2.75E-02	8.64E-02	8.20E-02	4.10E-01	8.82E-01	2.6
780.0	4.14E-02	2.76E-02	8.67E-02	8.23E-02	4.11E-01	8.85E-01	2.6
790.0	4.15E-02	2.77E-02	8.69E-02	8.26E-02	4.13E-01	8.87E-01	2.7
800.0	4.17E-02	2.78E-02	8.72E-02	8.29E-02	4.14E-01	8.90E-01	2.7
810.0	4.18E-02	2.79E-02	8.74E-02	8.31E-02	4.15E-01	8.93E-01	2.7
820.0	4.19E-02	2.80E-02	8.76E-02	8.34E-02	4.16E-01	8.95E-01	2.7
830.0	4.21E-02	2.80E-02	8.79E-02	8.37E-02	4.17E-01	8.98E-01	2.7
840.0	4.22E-02	2.81E-02	8.81E-02	8.39E-02	4.18E-01	9.00E-01	2.7
850.0	4.23E-02	2.82E-02	8.83E-02	8.42E-02	4.19E-01	9.02E-01	2.7
860.0	4.24E-02	2.83E-02	8.85E-02	8.44E-02	4.20E-01	9.05E-01	2.7
870.0	4.26E-02	2.84E-02	8.87E-02	8.46E-02	4.21E-01	9.07E-01	2.7
880.0	4.27E-02	2.85E-02	8.90E-02	8.49E-02	4.22E-01	9.09E-01	2.8
890.0	4.28E-02	2.85E-02	8.92E-02	8.51E-02	4.23E-01	9.11E-01	2.8
900.0	4.29E-02	2.86E-02	8.94E-02	8.53E-02	4.24E-01	9.13E-01	2.8
910.0	4.30E-02	2.87E-02	8.96E-02	8.55E-02	4.25E-01	9.16E-01	2.8

920.0	4.31E-02	2.88E-02	8.98E-02	8.57E-02	4.26E-01	9.18E-01	2.8
930.0	4.32E-02	2.88E-02	9.00E-02	8.59E-02	4.27E-01	9.20E-01	2.8
940.0	4.33E-02	2.89E-02	9.02E-02	8.62E-02	4.28E-01	9.22E-01	2.8
950.0	4.34E-02	2.90E-02	9.03E-02	8.64E-02	4.29E-01	9.24E-01	2.8
960.0	4.35E-02	2.90E-02	9.05E-02	8.65E-02	4.30E-01	9.25E-01	2.8
970.0	4.36E-02	2.91E-02	9.07E-02	8.67E-02	4.31E-01	9.27E-01	2.8
980.0	4.37E-02	2.92E-02	9.09E-02	8.69E-02	4.31E-01	9.29E-01	2.9
990.0	4.38E-02	2.92E-02	9.10E-02	8.71E-02	4.32E-01	9.31E-01	2.9
1000.0	4.39E-02	2.93E-02	9.12E-02	8.73E-02	4.33E-01	9.33E-01	2.9

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