

ENERGY	GAP	PHASE	HARM	KX	KY	M_FUN	FLUX	BRILL	P1	P3		
10	19	26.9	1	5.5	6.5	4.36E+15	4.39E+15	7.51E+16	0.08	1		
20	26.2	31.3	1	4.2	4.2	4.33E+15	4.33E+15	2.15E+17	0.01	1		
30	30.8	32.7	1	3.4	3.4	4.21E+15	4.21E+15	3.83E+17	0	1		
40	34.3	33.5	1	2.9	2.9	4.08E+15	4.08E+15	5.67E+17	0	1		
50	37.1	34.1	1	2.5	2.5	3.96E+15	3.96E+15	7.60E+17	0	1		
60	39.6	34.5	1	2.3	2.3	3.83E+15	3.83E+15	9.55E+17	0.01	1		
70	41.6	34.9	1	2.1	2.1	3.71E+15	3.71E+15	1.15E+18	0.01	1		
80	43.5	35.3	1	1.9	1.9	3.59E+15	3.59E+15	1.34E+18	0	1		
90	45.2	35.5	1	1.8	1.8	3.46E+15	3.46E+15	1.52E+18	0.01	1		
100	46.9	35.7	1	1.6	1.7	3.34E+15	3.34E+15	1.70E+18	0.01	1		
110	48.3	36.1	1	1.5	1.5	3.21E+15	3.21E+15	1.86E+18	0	1		
120	49.7	36.3	1	1.4	1.4	3.09E+15	3.09E+15	2.01E+18	0	1		
130	51.1	36.5	1	1.4	1.4	2.97E+15	2.97E+15	2.15E+18	0	1		
140	52.4	36.7	1	1.3	1.3	2.84E+15	2.84E+15	2.27E+18	0	1		
150	53.7	36.9	1	1.2	1.2	2.72E+15	2.72E+15	2.37E+18	0	1		
160	54.9	37.1	1	1.1	1.1	2.59E+15	2.59E+15	2.46E+18	0	1		
170	56.3	37.1	1	1.1	1.1	2.47E+15	2.47E+15	2.54E+18	0.01	1		
180	57.5	37.3	1	1	1	2.35E+15	2.35E+15	2.59E+18	0.01	1		
190	58.7	37.5	1	1	1	2.22E+15	2.22E+15	2.63E+18	0.01	1		
200	59.9	37.7	1	0.9	0.9	2.10E+15	2.10E+15	2.65E+18	0	1		
210	61.3	37.7	1	0.9	0.9	1.97E+15	1.97E+15	2.64E+18	0.02	1		
220	62.5	37.9	1	0.8	0.8	1.85E+15	1.85E+15	2.63E+18	0.01	1		
230	63.8	38.1	1	0.8	0.8	1.73E+15	1.73E+15	2.59E+18	0.01	1		
240	65.1	38.3	1	0.7	0.7	1.60E+15	1.60E+15	2.53E+18	0	1		
250	66.6	38.3	1	0.7	0.7	1.48E+15	1.48E+15	2.45E+18	0.02	1		
260	68.1	38.5	1	0.6	0.7	1.35E+15	1.35E+15	2.35E+18	0.01	1		
270	69.6	38.7	1	0.6	0.6	1.23E+15	1.23E+15	2.24E+18	0.01	1		
280	71.2	38.9	1	0.6	0.6	1.11E+15	1.11E+15	2.10E+18	0.01	1		
290	73	39.1	1	0.5	0.5	9.82E+14	9.82E+14	1.94E+18	0	1		
300	74.9	39.3	1	0.5	0.5	8.58E+14	8.58E+14	1.77E+18	0	1		
310	77.1	39.5	1	0.4	0.4	7.34E+14	7.34E+14	1.57E+18	0	1		
320	48.7	19.3	5	0.9	2.9	6.76E+14	8.79E+14	1.95E+18	0.48	0.88		
330	49.2	19.3	5	0.9	2.9	6.58E+14	8.63E+14	1.98E+18	0.49	0.87		
340	49.6	19.5	5	0.9	2.8	6.40E+14	8.39E+14	1.99E+18	0.49	0.87		
350	50.2	19.5	5	0.9	2.8	6.22E+14	8.24E+14	2.02E+18	0.49	0.87		
360	50.6	19.7	5	0.9	2.7	6.05E+14	8.00E+14	2.03E+18	0.49	0.87		
370	51	19.7	5	0.9	2.7	5.88E+14	7.85E+14	2.05E+18	0.5	0.87		

380	51.5	19.7	5	0.8	2.6	5.71E+14	7.69E+14	2.07E+18	0.51	0.86
390	51.9	19.9	5	0.8	2.6	5.55E+14	7.46E+14	2.07E+18	0.51	0.86
400	52.4	19.9	5	0.8	2.6	5.39E+14	7.31E+14	2.08E+18	0.51	0.86
410	52.8	19.9	5	0.8	2.5	5.23E+14	7.16E+14	2.09E+18	0.52	0.85
420	53.2	20.1	5	0.8	2.5	5.08E+14	6.94E+14	2.08E+18	0.52	0.86
430	53.6	20.1	5	0.8	2.4	4.93E+14	6.79E+14	2.09E+18	0.52	0.85
440	54	20.1	5	0.8	2.4	4.78E+14	6.64E+14	2.10E+18	0.53	0.85
450	54.4	20.1	5	0.7	2.4	4.64E+14	6.50E+14	2.10E+18	0.54	0.84
460	54.8	20.3	5	0.7	2.3	4.49E+14	6.28E+14	2.08E+18	0.53	0.85
470	55.2	20.3	5	0.7	2.3	4.35E+14	6.14E+14	2.08E+18	0.54	0.84
480	55.6	20.3	5	0.7	2.3	4.22E+14	6.00E+14	2.08E+18	0.55	0.84
490	55.9	20.5	5	0.7	2.2	4.08E+14	5.80E+14	2.05E+18	0.54	0.84
500	56.3	20.5	5	0.7	2.2	3.95E+14	5.66E+14	2.04E+18	0.55	0.84
510	56.6	20.5	5	0.7	2.2	3.83E+14	5.53E+14	2.04E+18	0.55	0.83
520	57	20.5	5	0.7	2.2	3.70E+14	5.39E+14	2.03E+18	0.56	0.83
530	57.3	20.7	5	0.7	2.1	3.58E+14	5.20E+14	1.99E+18	0.56	0.83
540	57.7	20.7	5	0.7	2.1	3.46E+14	5.07E+14	1.98E+18	0.56	0.83
550	58	20.7	5	0.6	2.1	3.34E+14	4.94E+14	1.97E+18	0.57	0.82
560	58.4	20.7	5	0.6	2	3.23E+14	4.81E+14	1.95E+18	0.57	0.82
570	58.7	20.9	5	0.6	2	3.12E+14	4.63E+14	1.91E+18	0.57	0.82
580	59	20.9	5	0.6	2	3.01E+14	4.51E+14	1.89E+18	0.58	0.82
590	59.4	20.9	5	0.6	2	2.90E+14	4.39E+14	1.87E+18	0.58	0.81
600	59.7	20.9	5	0.6	1.9	2.80E+14	4.27E+14	1.85E+18	0.59	0.81
610	60	21.1	5	0.6	1.9	2.70E+14	4.10E+14	1.81E+18	0.58	0.81
620	60.3	21.1	5	0.6	1.9	2.60E+14	3.99E+14	1.79E+18	0.59	0.81
630	60.7	21.1	5	0.6	1.9	2.51E+14	3.87E+14	1.76E+18	0.59	0.8
640	61	21.1	5	0.6	1.9	2.41E+14	3.76E+14	1.74E+18	0.6	0.8
650	61.2	21.3	5	0.6	1.8	2.32E+14	3.61E+14	1.69E+18	0.6	0.8
660	61.6	21.3	5	0.6	1.8	2.24E+14	3.50E+14	1.67E+18	0.6	0.8
670	61.9	21.3	5	0.6	1.8	2.15E+14	3.40E+14	1.64E+18	0.61	0.8
680	62.3	21.3	5	0.6	1.8	2.07E+14	3.29E+14	1.61E+18	0.61	0.79
690	62.5	21.5	5	0.5	1.7	1.99E+14	3.15E+14	1.56E+18	0.61	0.79
700	62.8	21.5	5	0.5	1.7	1.91E+14	3.05E+14	1.54E+18	0.61	0.79
710	63.1	21.5	5	0.5	1.7	1.83E+14	2.96E+14	1.51E+18	0.62	0.79
720	63.5	21.5	5	0.5	1.7	1.76E+14	2.86E+14	1.48E+18	0.62	0.78
730	63.8	21.5	5	0.5	1.7	1.69E+14	2.77E+14	1.45E+18	0.63	0.78
740	64	21.7	5	0.5	1.6	1.62E+14	2.64E+14	1.40E+18	0.62	0.78
750	64.3	21.7	5	0.5	1.6	1.55E+14	2.55E+14	1.37E+18	0.63	0.78

760	64.6	21.7	5	0.5	1.6	1.49E+14	2.47E+14	1.34E+18	0.63	0.78
770	64.9	21.7	5	0.5	1.6	1.42E+14	2.38E+14	1.31E+18	0.64	0.77
780	65.3	21.7	5	0.5	1.6	1.36E+14	2.30E+14	1.28E+18	0.64	0.77
790	65.5	21.9	5	0.5	1.6	1.30E+14	2.19E+14	1.23E+18	0.64	0.77
800	65.8	21.9	5	0.5	1.5	1.24E+14	2.11E+14	1.20E+18	0.64	0.77
810	66.1	21.9	5	0.5	1.5	1.19E+14	2.03E+14	1.17E+18	0.64	0.76
820	66.4	21.9	5	0.5	1.5	1.14E+14	1.96E+14	1.14E+18	0.65	0.76
830	66.6	22.1	5	0.5	1.5	1.08E+14	1.86E+14	1.10E+18	0.65	0.76
840	66.9	22.1	5	0.5	1.5	1.03E+14	1.79E+14	1.07E+18	0.65	0.76
850	67.2	22.1	5	0.5	1.5	9.86E+13	1.72E+14	1.04E+18	0.65	0.76
860	67.5	22.1	5	0.4	1.4	9.40E+13	1.66E+14	1.01E+18	0.66	0.75
870	67.8	22.1	5	0.4	1.4	8.95E+13	1.59E+14	9.78E+17	0.66	0.75
880	68	22.3	5	0.4	1.4	8.52E+13	1.50E+14	9.35E+17	0.66	0.75
890	68.3	22.3	5	0.4	1.4	8.11E+13	1.44E+14	9.06E+17	0.66	0.75
900	68.6	22.3	5	0.4	1.4	7.71E+13	1.39E+14	8.78E+17	0.67	0.75
910	69	22.3	5	0.4	1.4	7.32E+13	1.33E+14	8.50E+17	0.67	0.74
920	69.3	22.3	5	0.4	1.4	6.95E+13	1.27E+14	8.22E+17	0.67	0.74
930	69.4	22.5	5	0.4	1.3	6.60E+13	1.20E+14	7.82E+17	0.67	0.74
940	69.8	22.5	5	0.4	1.3	6.26E+13	1.15E+14	7.55E+17	0.67	0.74
950	70.1	22.5	5	0.4	1.3	5.93E+13	1.10E+14	7.29E+17	0.68	0.74