

Table S6. The band constants for MgF isotopologues from LEVEL. Units in cm^{-1} .

v	Gv	Bv	Dv	Hv	Lv	Mv	Nv	Ov
²⁴ MgF								
0	0.0	0.5169180268	1.0784084E-06	-2.1853676E-13	-8.2060820E-19	6.0276135E-25	6.8538403E-30	3.9642043E-35
1	711.6738	0.5122356442	1.0752303E-06	-2.0718854E-13	-7.8337007E-19	7.1500083E-25	7.1875521E-30	3.1977045E-35
2	1414.9745	0.5075883178	1.0719738E-06	-1.9580015E-13	-7.4650584E-19	7.9320234E-25	6.8832868E-30	1.8439283E-35
3	2109.9992	0.5029760530	1.0686407E-06	-1.8441640E-13	-7.1117635E-19	8.2481662E-25	5.8900461E-30	-6.5639042E-37
4	2796.8438	0.4983988362	1.0652336E-06	-1.7309594E-13	-6.7860322E-19	7.9827775E-25	4.1735756E-30	-2.4948152E-35
5	3475.6037	0.4938566298	1.0617559E-06	-1.6191029E-13	-6.5004439E-19	7.0317534E-25	1.7173846E-30	-5.3821148E-35
6	4146.3729	0.4893493676	1.0582118E-06	-1.5094267E-13	-6.2676994E-19	5.3042395E-25	-1.4797839E-30	-8.6781547E-35
7	4809.2445	0.4848769503	1.0546065E-06	-1.4028677E-13	-6.1003936E-19	2.7234581E-25	-5.4040598E-30	-1.2314860E-34
8	5464.3104	0.4804392413	1.0509459E-06	-1.3004527E-13	-6.0108034E-19	-7.7254984E-26	-1.0029350E-29	-1.6237891E-34
²⁵ MgF								
0	0.0	0.507787199	1.0405758E-06	-2.0718171E-13	-7.6417652E-19	5.5080037E-25	6.1555910E-30	3.5007002E-35
1	705.4204	0.503228305	1.0375372E-06	-1.9652160E-13	-7.2981329E-19	6.5277785E-25	6.4575326E-30	2.8348992E-35
2	1402.6146	0.498703237	1.0344243E-06	-1.8582361E-13	-6.9577838E-19	7.2432807E-25	6.1971445E-30	1.6598547E-35
3	2091.6772	0.494212001	1.0312387E-06	-1.7512883E-13	-6.6312288E-19	7.5426501E-25	5.3294163E-30	-5.0732095E-40
4	2772.7016	0.489754583	1.0279829E-06	-1.6449108E-13	-6.3295304E-19	7.3226083E-25	3.8243626E-30	-2.1080713E-35
5	3445.7806	0.485330948	1.0246600E-06	-1.5397593E-13	-6.0640830E-19	6.4900928E-25	1.6667824E-30	-4.6147369E-35
6	4111.0060	0.480941036	1.0212739E-06	-1.4365975E-13	-5.8463995E-19	4.9636825E-25	-1.1450001E-30	-7.4808153E-35
7	4768.4684	0.476584752	1.0178295E-06	-1.3362850E-13	-5.6879065E-19	2.6743233E-25	-4.5995200E-30	-1.0647380E-34
8	5418.2572	0.472261969	1.0143323E-06	-1.2397646E-13	-5.5997557E-19	-4.3405347E-26	-8.6743388E-30	-1.4052054E-34
²⁶ MgF								
0	0.0	0.499391878	1.0063885E-06	-1.9709422E-13	-7.1490586E-19	5.0625953E-25	5.5669682E-30	3.1162908E-35
1	699.6198	0.494945552	1.0034749E-06	-1.8703997E-13	-6.8303072E-19	5.9948574E-25	5.8418168E-30	2.5325746E-35
2	1391.1487	0.490531939	1.0004904E-06	-1.7694986E-13	-6.5144596E-19	6.6531445E-25	5.6169431E-30	1.5029361E-35

3	2074.6787	0.486151046	9.9743689E-07	-1.6686182E-13	-6.2110946E-19	6.9369784E-25	4.8525252E-30	5.0438376E-37
4	2750.3012	0.48180286	9.9431647E-07	-1.5682546E-13	-5.9302934E-19	6.7535232E-25	3.5216101E-30	-1.7974023E-35
5	3418.1065	0.477487351	9.9113212E-07	-1.4690129E-13	-5.6824439E-19	6.0189551E-25	1.6104575E-30	-3.9947851E-35
6	4078.1841	0.473204458	9.8788753E-07	-1.3715974E-13	-5.4780475E-19	4.6598037E-25	-8.8308196E-31	-6.5136256E-35
7	4730.6226	0.468954094	9.8458714E-07	-1.2768012E-13	-5.3275363E-19	2.6134725E-25	-3.9490240E-30	-9.2857532E-35
8	5375.5093	0.464736138	9.8123619E-07	-1.1854950E-13	-5.2411022E-19	-1.7089533E-26	-7.5684212E-30	-1.2284072E-34
