

Nr.	Symbol	Fit / fix	Start value	Fit 1	Fit 1 $\delta$
					Save 1 in mol
1	$G_{vz 0,0,0,0>$	f	0.0	fixed	
2	$G_{vz 2,0,0,0>$	a	6483.281895	6483.28207	0.00006327152176
3	$B_v 0,0,0,0>$	a	1.439998947	1.439999232	0.0000014140322
4	$B_v 2,0,0,0>$	a	1.420452306	1.420452255	0.00000139322607
5	$D_v 0,0,0,0>$	a	$2.77333 * 10^{-6}$	$2.773523 * 10^{-6}$	$0.000658 * 10^{-6}$
6	$D_v 2,0,0,0>$	a	$2.72636 * 10^{-6}$	$2.726391 * 10^{-6}$	$0.000632 * 10^{-6}$
7	$H_v 0,0,0,0>$	a	$4.700 * 10^{-12}$	$4.7339 * 10^{-12}$	$0.0920 * 10^{-12}$
8	$H_v 2,0,0,0>$	a	$4.511 * 10^{-12}$	$4.5234 * 10^{-12}$	$0.0854 * 10^{-12}$
9	$L_v 0,0,0,0>$	f	$-0.02462 * 10^{-14}$	fixed	
10	$L_v 2,0,0,0>$	f	$-0.01878 * 10^{-14}$	fixed	

Nr.	Symbol	Fit / fix	Start value	Fit 4	Fit 4 $\delta$
					Save 4 in mol
1	$G_{vz 0,1,1,0}$	f	707.408891	fixed	
2	$G_{vz 2,1,1,0}$	a	7153.082746	7153.082761	0.0001106807781
3	$B_v 0,1,1,0$	f	1.443157181	fixed	
4	$B_v 2,1,1,0$	a	1.423987895	1.423987783	0.000000323881924
5	$D_v 0,1,1,0$	f	$2.82774 * 10^{-6}$	fixed	
6	$D_v 2,1,1,0$	a	$2.789691 * 10^{-6}$	$2.789574 * 10^{-6}$	$0.000221 * 10^{-6}$
7	$H_v 0,1,1,0$	f	$3.215 * 10^{-12}$	fixed	
8	$H_v 2,1,1,0$	a	$3.6552 * 10^{-12}$	$3.6326 * 10^{-12}$	$0.0406 * 10^{-12}$
9	$Q_v 0,1,1,0$	f	$7.166195 * 10^{-3}$	fixed	
10	$Q_v 2,1,1,0$	a	$7.380181 * 10^{-3}$	$7.380028 * 10^{-3}$	$0.000403 * 10^{-3}$
11	$Q_{vJ} 0,1,1,0$	f	$8.1073 * 10^{-8}$	fixed	
12	$Q_{vJ} 2,1,1,0$	a	$9.0921 * 10^{-8}$	$9.0728 * 10^{-8}$	$0.0340 * 10^{-8}$
13	$Q_{vJJ} 0,1,1,0$	f	$1.135 * 10^{-12}$	fixed	
14	$Q_{vJJ} 2,1,1,0$	a	$1.5185 * 10^{-12}$	$1.4797 * 10^{-12}$	$0.0679 * 10^{-12}$

Nr.	Symbol	Fit / fix	Start value	Fit 1	Fit 1 $\delta$
					Save 1 in mol
1	$Q_{1v 0,2,2,0}$	f	$0.0705 * 10^{-4}$	fixed	
2	$Q_{1v 2,2,2,0}$	f	$0.0705 * 10^{-4}$	fixed	
3	$G_{vz 0,2,0,0}$	f	1399.760658	fixed	
4	$G_{vz 0,2,2,0}$	f	1420.418451	fixed	
5	$G_{vz 2,2,0,0}$	a	7807.96251	7807.962513	0.0002023839839
6	$G_{vz 2,2,2,0}$	a	7827.984987	7827.984985	0.0001428828726
7	$B_v 0,2,0,0$	f	1.446801862	fixed	
8	$B_v 0,2,2,0$	f	1.445995548	fixed	
9	$B_v 2,2,0,0$	a	1.428027143	1.428027106	0.0000009319778128
10	$B_v 2,2,2,0$	a	1.427209081	1.427209081	0.0000005622793527
11	$D_v 0,2,0,0$	f	$2.88954 * 10^{-6}$	fixed	
12	$D_v 0,2,2,0$	f	$2.88341 * 10^{-6}$	fixed	
13	$D_v 2,2,0,0$	a	$2.864088 * 10^{-6}$	$2.864051 * 10^{-6}$	$0.000806 * 10^{-6}$
14	$D_v 2,2,2,0$	a	$2.853750 * 10^{-6}$	$2.853809 * 10^{-6}$	$0.000456 * 10^{-6}$
15	$H_v 0,2,0,0$	f	$4.344 * 10^{-12}$	fixed	
16	$H_v 0,2,2,0$	f	$3.336 * 10^{-12}$	fixed	
17	$H_v 2,2,0,0$	a	$5.156 * 10^{-12}$	$5.149 * 10^{-12}$	$0.180 * 10^{-12}$
18	$H_v 2,2,2,0$	a	$4.2974 * 10^{-12}$	$4.3161 * 10^{-12}$	$0.0958 * 10^{-12}$
19	$Q_v 0,2,2,0$	f	$7.26875 * 10^{-3}$	fixed	
20	$Q_v 2,2,2,0$	a	$7.500342 * 10^{-3}$	$7.500324 * 10^{-3}$	$0.000666 * 10^{-3}$
21	$Q_{vJ} 0,2,2,0$	f	$8.4951 * 10^{-8}$	fixed	
22	$Q_{vJ} 2,2,2,0$	a	$9.5973 * 10^{-8}$	$9.5966 * 10^{-8}$	$0.0593 * 10^{-8}$
23	$Q_{vJJ} 0,2,2,0$	f	$1.159 * 10^{-12}$	fixed	
24	$Q_{vJJ} 2,2,2,0$	a	$1.489 * 10^{-12}$	$1.490 * 10^{-12}$	$0.127 * 10^{-12}$
25	$\rho_v 0,2,2,0$	f	$-1.714 * 10^{-8}$	fixed	
26	$\rho_v 2,2,2,0$	f	$-1.714 * 10^{-8}$	fixed	

Nr.	Symbol	Fit / fix	Start value	Fit 1	Fit 1 $\delta$
					Save 1 in mol
1	$Q_{1v 0,3,3,0}$	f	$0.0705 * 10^{-4}$	fixed	
2	$Q_{1v 2,3,3,0}$	f	$0.0705 * 10^{-4}$	fixed	
3	$G_{vz 0,3,1,0}$	f	2097.719897	fixed	
4	$G_{vz 0,3,3,0}$	f	2139.156364	fixed	
5	$G_{vz 2,3,1,0}$	a	8467.981231	8467.981202	0.0001890741449
6	$G_{vz 2,3,3,0}$	a	8508.078564	8508.078565	0.0001746938084
7	$B_v 0,3,1,0$	f	1.450144159	fixed	
8	$B_v 0,3,3,0$	f	1.448490235	fixed	
9	$B_v 2,3,1,0$	a	1.431770084	1.431770234	0.000001242613699
10	$B_v 2,3,3,0$	a	1.430088906	1.430088876	0.000001219001148
11	$D_v 0,3,1,0$	f	$2.94781 * 10^{-6}$	fixed	
12	$D_v 0,3,3,0$	f	$2.93419 * 10^{-6}$	fixed	
13	$D_v 2,3,1,0$	a	$2.93682 * 10^{-6}$	$2.93702 * 10^{-6}$	$0.00199 * 10^{-6}$
14	$D_v 2,3,3,0$	a	$2.91128 * 10^{-6}$	$2.91122 * 10^{-6}$	$0.00205 * 10^{-6}$
15	$H_v 0,3,1,0$	f	$4.62 * 10^{-12}$	fixed	
16	$H_v 0,3,3,0$	f	$3.14 * 10^{-12}$	fixed	
17	$H_v 2,3,1,0$	a	$9.570 * 10^{-12}$	$9.644 * 10^{-12}$	$0.858 * 10^{-12}$
18	$H_v 2,3,3,0$	a	$3.242 * 10^{-12}$	$3.216 * 10^{-12}$	$0.921 * 10^{-12}$
19	$Q_v 0,3,3,0$	f	$7.375054 * 10^{-3}$	fixed	
20	$Q_v 2,3,3,0$	a	$7.629462 * 10^{-3}$	$7.629488 * 10^{-3}$	$0.000674 * 10^{-3}$
21	$Q_{vJ} 0,3,3,0$	f	$8.9691 * 10^{-8}$	fixed	
22	$Q_{vJ} 2,3,3,0$	a	$10.416 * 10^{-8}$	$10.422 * 10^{-8}$	$0.135 * 10^{-8}$
23	$Q_{vJJ} 0,3,3,0$	f	$1.099 * 10^{-12}$	fixed	
24	$Q_{vJJ} 2,3,3,0$	a	$2.560 * 10^{-12}$	$2.583 * 10^{-12}$	$0.628 * 10^{-12}$
25	$\rho_v 0,3,3,0$	f	$-1.752 * 10^{-8}$	fixed	
26	$\rho_v 2,3,3,0$	a	$-1.94639 * 10^{-8}$	$-1.94636 * 10^{-8}$	$0.00986 * 10^{-8}$

Nr.	Symbol	Fit / fix	Start value	Fit 1	Fit 1 $\delta$
					Save 1 in mol
1	$Q_{1v 0,4,4,0}$	f	$0.0705 * 10^{-4}$	fixed	
2	$Q_{1v 2,4,4,0}$	f	$0.0705 * 10^{-4}$	fixed	
3	$G_{vz 0,4,0,0}$	f	2780.58537	fixed	
4	$G_{vz 0,4,2,0}$	f	2801.396409	fixed	
5	$G_{vz 0,4,4,0}$	f	2863.745264	fixed	
6	$G_{vz 2,4,0,0}$	a	9113.095423	9113.095423	0.0007313972486
7	$G_{vz 2,4,2,0}$	a	9133.208601	9133.208601	0.0004906243453
8	$G_{vz 2,4,4,0}$	a	9193.446759	9193.446759	0.000537823642
9	$B_v 0,4,0,0$	f	1.454009157	fixed	
10	$B_v 0,4,2,0$	f	1.45315884	fixed	
11	$B_v 0,4,4,0$	f	1.45061579	fixed	
12	$B_v 2,4,0,0$	a	1.436045387	1.436045387	0.00000485188277
13	$B_v 2,4,2,0$	a	1.435181124	1.435181124	0.000003274543628
14	$B_v 2,4,4,0$	a	1.432612426	1.432612426	0.000003122481543
15	$D_v 0,4,0,0$	f	$3.00968 * 10^{-6}$	fixed	
16	$D_v 0,4,2,0$	f	$3.00223 * 10^{-6}$	fixed	
17	$D_v 0,4,4,0$	f	$2.97935 * 10^{-6}$	fixed	
18	$D_v 2,4,0,0$	a	$2.99359 * 10^{-6}$	$2.99359 * 10^{-6}$	$0.00692 * 10^{-6}$
19	$D_v 2,4,2,0$	a	$2.99950 * 10^{-6}$	$2.99950 * 10^{-6}$	$0.00464 * 10^{-6}$
20	$D_v 2,4,4,0$	a	$2.97108 * 10^{-6}$	$2.97108 * 10^{-6}$	$0.00427 * 10^{-6}$
21	$H_v 0,4,0,0$	f	$5.73 * 10^{-12}$	fixed	
22	$H_v 0,4,2,0$	f	$4.94 * 10^{-12}$	fixed	
23	$H_v 0,4,4,0$	f	$2.47 * 10^{-12}$	fixed	
24	$H_v 2,4,0,0$	a	$11.28 * 10^{-12}$	$11.28 * 10^{-12}$	$2.56 * 10^{-12}$
25	$H_v 2,4,2,0$	a	$3.31 * 10^{-12}$	$3.31 * 10^{-12}$	$1.75 * 10^{-12}$
26	$H_v 2,4,4,0$	a	$5.09 * 10^{-12}$	$5.09 * 10^{-12}$	$1.59 * 10^{-12}$
27	$Q_v 0,4,4,0$	f	$7.483926 * 10^{-3}$	fixed	
28	$Q_v 2,4,4,0$	a	$7.76275 * 10^{-3}$	$7.76275 * 10^{-3}$	$0.00114 * 10^{-3}$
29	$Q_{vJ} 0,4,4,0$	f	$9.4307 * 10^{-8}$	fixed	
30	$Q_{vJ} 2,4,4,0$	a	$11.1068 * 10^{-8}$	$11.1068 * 10^{-8}$	$0.0736 * 10^{-8}$
31	$Q_{vJJ} 0,4,4,0$	f	$1.136 * 10^{-12}$	fixed	
32	$Q_{vJJ} 2,4,4,0$	f	$1.136 * 10^{-12}$	fixed	
33	$\rho_v 0,4,4,0$	f	$-1.805 * 10^{-8}$	fixed	
34	$\rho_v 2,4,4,0$	a	$-2.6991 * 10^{-8}$	$-2.6991 * 10^{-8}$	$0.0482 * 10^{-8}$

Nr.	Symbol	Fit / fix	Start value	Fit 1	Fit 1 $\delta$
					Save 1 in mol
1	$Q_{1v 0,5,5,0}$	f	$0.0705 * 10^{-4}$	fixed	
2	$Q_{1v 2,5,5,0}$	a	$0.4107 * 10^{-4}$	$0.4113 * 10^{-4}$	$0.0826 * 10^{-4}$
3	$G_{vz 0,5,1,0}$	f	3469.106005	fixed	
4	$G_{vz 0,5,3,0}$	f	3510.89519	fixed	
5	$G_{vz 0,5,5,0}$	f	3594.301517	fixed	
6	$G_{vz 2,5,1,0}$	a	9763.372758	9763.372765	0.0007163864016
7	$G_{vz 2,5,3,0}$	a	9803.701377	9803.701267	0.0006484847589
8	$G_{vz 2,5,5,0}$	a	9884.17	9884.169999	0.0006962615076
9	$B_v 0,5,1,0$	f	1.45756602	fixed	
10	$B_v 0,5,3,0$	f	1.45581826	fixed	
11	$B_v 0,5,5,0$	f	1.45234423	fixed	
12	$B_v 2,5,1,0$	a	1.440004257	1.440004188	0.000004206415904
13	$B_v 2,5,3,0$	a	1.438246339	1.438246678	0.000003516755275
14	$B_v 2,5,5,0$	a	1.434742161	1.434742172	0.000003263484202
15	$D_v 0,5,1,0$	f	$3.06637 * 10^{-6}$	fixed	
16	$D_v 0,5,3,0$	f	$3.05137 * 10^{-6}$	fixed	
17	$D_v 0,5,5,0$	f	$3.01748 * 10^{-6}$	fixed	
18	$D_v 2,5,1,0$	a	$2.9029 * 10^{-6}$	$2.9026 * 10^{-6}$	$0.0415 * 10^{-6}$
19	$D_v 2,5,3,0$	a	$3.0032 * 10^{-6}$	$3.0033 * 10^{-6}$	$0.0129 * 10^{-6}$
20	$D_v 2,5,5,0$	a	$3.2298 * 10^{-6}$	$3.2301 * 10^{-6}$	$0.0541 * 10^{-6}$
21	$H_v 0,5,1,0$	f	$6.28 * 10^{-12}$	fixed	
22	$H_v 0,5,3,0$	f	$4.65 * 10^{-12}$	fixed	
23	$H_v 0,5,5,0$	f	$1.39 * 10^{-12}$	fixed	
24	$H_v 2,5,1,0$	f	$6.93 * 10^{-12}$	fixed	
25	$H_v 2,5,3,0$	f	$5.242 * 10^{-12}$	fixed	
26	$H_v 2,5,5,0$	f	$4. * 10^{-12}$	fixed	
27	$Q_{v 0,5,5,0}$	f	$7.598273 * 10^{-3}$	fixed	
28	$Q_{v 2,5,5,0}$	a	$7.89258 * 10^{-3}$	$7.89256 * 10^{-3}$	$0.00124 * 10^{-3}$
29	$Q_{vJ 0,5,5,0}$	f	$9.991 * 10^{-8}$	fixed	
30	$Q_{vJ 2,5,5,0}$	a	$11.925 * 10^{-8}$	$11.923 * 10^{-8}$	$0.129 * 10^{-8}$
31	$Q_{vJJ 0,5,5,0}$	f	$1.2 * 10^{-12}$	fixed	
32	$Q_{vJJ 2,5,5,0}$	f	$1.2 * 10^{-12}$	fixed	
33	$\rho_v 0,5,5,0$	f	$-1.885 * 10^{-8}$	fixed	
34	$\rho_v 2,5,5,0$	a	$-6.081 * 10^{-8}$	$-6.088 * 10^{-8}$	$0.956 * 10^{-8}$

Nr.	Symbol	Fit / fix	Start value	Fit 1	Fit 1 $\delta$
					Save 1 in mol
1	$Q_{1v 0,6,6,0}$	f	$0.0705 * 10^{-4}$	fixed	
2	$Q_{1v 2,6,6,0}$	f	$0.0705 * 10^{-4}$	fixed	
3	$G_{vz 0,6,0,0}$	f	4142.356311	fixed	
4	$G_{vz 0,6,2,0}$	f	4163.368023	fixed	
5	$G_{vz 0,6,4,0}$	f	4226.315447	fixed	
6	$G_{vz 0,6,6,0}$	f	4330.934569	fixed	
7	$G_{vz 2,6,0,0}$	a	10398.58446	10398.5846	0.001938150971
8	$G_{vz 2,6,2,0}$	a	10418.85151	10418.85185	0.001410694735
9	$G_{vz 2,6,4,0}$	a	10479.52778	10479.52806	0.0009310533888
10	$G_{vz 2,6,6,0}$	a	10580.31761	10580.31751	0.001260490595
11	$B_v 0,6,0,0$	f	1.46168866	fixed	
12	$B_v 0,6,2,0$	f	1.46078915	fixed	
13	$B_v 0,6,4,0$	f	1.4580952	fixed	
14	$B_v 0,6,6,0$	f	1.45364858	fixed	
15	$B_v 2,6,0,0$	a	1.444618469	1.444621243	0.00001712841131
16	$B_v 2,6,2,0$	a	1.443643265	1.443640747	0.00001033540194
17	$B_v 2,6,4,0$	a	1.440931269	1.440929946	0.000006232915188
18	$B_v 2,6,6,0$	a	1.436463883	1.436464463	0.000007578716881
19	$D_v 0,6,0,0$	f	$3.1294 * 10^{-6}$	fixed	
20	$D_v 0,6,2,0$	f	$3.1193 * 10^{-6}$	fixed	
21	$D_v 0,6,4,0$	f	$3.09318 * 10^{-6}$	fixed	
22	$D_v 0,6,6,0$	f	$3.04816 * 10^{-6}$	fixed	
23	$D_v 2,6,0,0$	a	$3.2314 * 10^{-6}$	$3.2364 * 10^{-6}$	$0.0324 * 10^{-6}$
24	$D_v 2,6,2,0$	a	$3.0792 * 10^{-6}$	$3.0758 * 10^{-6}$	$0.0174 * 10^{-6}$
25	$D_v 2,6,4,0$	a	$3.09372 * 10^{-6}$	$3.09238 * 10^{-6}$	$0.00763 * 10^{-6}$
26	$D_v 2,6,6,0$	a	$3.06698 * 10^{-6}$	$3.06752 * 10^{-6}$	$0.00917 * 10^{-6}$
27	$H_v 0,6,0,0$	f	$7.24 * 10^{-12}$	fixed	
28	$H_v 0,6,2,0$	f	$6.43 * 10^{-12}$	fixed	
29	$H_v 0,6,4,0$	f	$3.98 * 10^{-12}$	fixed	
30	$H_v 0,6,6,0$	f	$-0.1 * 10^{-12}$	fixed	
31	$H_v 2,6,0,0$	f	$7.907 * 10^{-12}$	fixed	
32	$H_v 2,6,2,0$	f	$7.063 * 10^{-12}$	fixed	
33	$H_v 2,6,4,0$	f	$4.531 * 10^{-12}$	fixed	
34	$H_v 2,6,6,0$	f	$0.311 * 10^{-12}$	fixed	
35	$Q_v 0,6,6,0$	f	$7.71428 * 10^{-3}$	fixed	
36	$Q_v 2,6,6,0$	a	$8.02286 * 10^{-3}$	$8.02377 * 10^{-3}$	$0.00500 * 10^{-3}$
37	$Q_{vJ} 0,6,6,0$	f	$10.357 * 10^{-8}$	fixed	
38	$Q_{vJ} 2,6,6,0$	a	$12.489 * 10^{-8}$	$12.718 * 10^{-8}$	$0.619 * 10^{-8}$
39	$Q_{vJJ} 0,6,6,0$	f	$0.45 * 10^{-12}$	fixed	
40	$Q_{vJJ} 2,6,6,0$	f	$1.1 * 10^{-12}$	fixed	
41	$\rho_v 0,6,6,0$	f	$-1.926 * 10^{-8}$	fixed	

42	$\rho_{\nu 2,6,6,0}$	<b>a</b>	$-1.751 * 10^{-8}$	$-1.752 * 10^{-8}$	$0.346 * 10^{-8}$
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Nr.	Symbol	Fit / fix	Start value	Fit 1	Fit 1 $\delta$
					Save 1 in mol
1	$G_{vz 1,0,0,0>$	f	3293.513232	fixed	
2	$G_{vz 3,0,0,0>$	a	9571.696905	9571.696846	0.0004279617899
3	$B_v 1,0,0,0>$	f	1.43037261	fixed	
4	$B_v 3,0,0,0>$	a	1.410235098	1.410235658	0.000002249090592
5	$D_v 1,0,0,0>$	f	$2.7468 * 10^{-6}$	fixed	
6	$D_v 3,0,0,0>$	a	$2.70253 * 10^{-6}$	$2.70321 * 10^{-6}$	$0.00271 * 10^{-6}$
7	$H_v 1,0,0,0>$	f	$3.38 * 10^{-12}$	fixed	
8	$H_v 3,0,0,0>$	a	$3.652 * 10^{-12}$	$3.797 * 10^{-12}$	$0.869 * 10^{-12}$

Nr.	Symbol	Fit / fix	Start value	Fit 1	Fit 1 $\delta$
					Save 1 in mol
1	$G_{vz 1,1,1,0>$	f	3982.205909	fixed	
2	$G_{vz 3,1,1,0>$	a	10222.28749	10222.28747	0.0003277527161
3	$B_v 1,1,1,0>$	f	1.43371862	fixed	
4	$B_v 3,1,1,0>$	a	1.413967143	1.413967496	0.000002703402265
5	$D_v 1,1,1,0>$	f	$2.80927 * 10^{-6}$	fixed	
6	$D_v 3,1,1,0>$	a	$2.77867 * 10^{-6}$	$2.77958 * 10^{-6}$	$0.00520 * 10^{-6}$
7	$H_v 1,1,1,0>$	f	$3.56 * 10^{-12}$	fixed	
8	$H_v 3,1,1,0>$	a	$8.91 * 10^{-12}$	$9.46 * 10^{-12}$	$2.69 * 10^{-12}$
9	$Q_v 1,1,1,0>$	f	$7.29154 * 10^{-3}$	fixed	
10	$Q_v 3,1,1,0>$	a	$7.44989 * 10^{-3}$	$7.45216 * 10^{-3}$	$0.00162 * 10^{-3}$
11	$Q_{vJ} 1,1,1,0>$	f	$8.723 * 10^{-8}$	fixed	
12	$Q_{vJ} 3,1,1,0>$	a	$8.854 * 10^{-8}$	$9.457 * 10^{-8}$	$0.164 * 10^{-8}$
13	$Q_{vJJ} 1,1,1,0>$	f	$1.1 * 10^{-12}$	fixed	
14	$Q_{vJJ} 3,1,1,0>$	f	$1.1 * 10^{-12}$	fixed	

Nr.	Symbol	Fit / fix	Start value	Fit 1	Fit 1 $\delta$
					Save 1 in mol
1	$Q_{1v 1,2,2,0}$	f	$0.0705 * 10^{-4}$	fixed	
2	$Q_{1v 3,2,2,0}$	f	$0.0705 * 10^{-4}$	fixed	
3	$G_{vz 1,2,0,0}$	f	4655.840604	fixed	
4	$G_{vz 1,2,2,0}$	f	4676.255877	fixed	
5	$G_{vz 3,2,0,0}$	a	10858.19254	10858.19254	0.0006564790954
6	$G_{vz 3,2,2,0}$	a	10877.75125	10877.75125	0.0004445934344
7	$B_v 1,2,0,0$	f	1.43756761	fixed	
8	$B_v 1,2,2,0$	f	1.43674813	fixed	
9	$B_v 3,2,0,0$	a	1.418164711	1.418164711	0.000005224720167
10	$B_v 3,2,2,0$	a	1.417375362	1.417375362	0.000003103053772
11	$D_v 1,2,0,0$	f	$2.87877 * 10^{-6}$	fixed	
12	$D_v 1,2,2,0$	f	$2.87058 * 10^{-6}$	fixed	
13	$D_v 3,2,0,0$	a	$2.83323 * 10^{-6}$	$2.83323 * 10^{-6}$	$0.00580 * 10^{-6}$
14	$D_v 3,2,2,0$	a	$2.84025 * 10^{-6}$	$2.84025 * 10^{-6}$	$0.00326 * 10^{-6}$
15	$H_v 1,2,0,0$	f	$4.69 * 10^{-12}$	fixed	
16	$H_v 1,2,2,0$	f	$4.09 * 10^{-12}$	fixed	
17	$H_v 3,2,0,0$	f	$5.143 * 10^{-12}$	fixed	
18	$H_v 3,2,2,0$	f	$4.299 * 10^{-12}$	fixed	
19	$Q_{v 1,2,2,0}$	f	$7.40491 * 10^{-3}$	fixed	
20	$Q_{v 3,2,2,0}$	a	$7.59592 * 10^{-3}$	$7.59592 * 10^{-3}$	$0.00644 * 10^{-3}$
21	$Q_{vJ 1,2,2,0}$	f	$9.252 * 10^{-8}$	fixed	
22	$Q_{vJ 3,2,2,0}$	a	$11.550 * 10^{-8}$	$11.550 * 10^{-8}$	$0.709 * 10^{-8}$
23	$Q_{vJJ 1,2,2,0}$	f	$1.1 * 10^{-12}$	fixed	
24	$Q_{vJJ 3,2,2,0}$	f	$1.1 * 10^{-12}$	fixed	
25	$\rho_v 1,2,2,0$	f	$-1.714 * 10^{-8}$	fixed	
26	$\rho_v 3,2,2,0$	f	$-1.714 * 10^{-8}$	fixed	

Nr.	Symbol	Fit / fix	Start value	Fit 1	Fit 1 $\delta$
					Save 1 in mol
1	$G_{vz 0,0,0,1}$	f	2063.047099	fixed	
2	$G_{vz 2,0,0,1}$	a	8519.243778	8519.243778	0.0002931910586
3	$B_v 0,0,0,1$	f	1.430246801	fixed	
4	$B_v 2,0,0,1$	a	1.411083883	1.411083883	0.000001443596331
5	$D_v 0,0,0,1$	f	$2.77499 * 10^{-6}$	fixed	
6	$D_v 2,0,0,1$	a	$2.73227 * 10^{-6}$	$2.73227 * 10^{-6}$	$0.00166 * 10^{-6}$
7	$H_v 0,0,0,1$	f	$3.03 * 10^{-12}$	fixed	
8	$H_v 2,0,0,1$	a	$3.301 * 10^{-12}$	$3.301 * 10^{-12}$	$0.505 * 10^{-12}$

Nr.	Symbol	Fit / fix	Start value	Fit 1	Fit 1 $\delta$
					Save 1 in mol
1	$G_{vz 0,1,1,1}$	f	2766.73776	fixed	
2	$G_{vz 2,1,1,1}$	a	9185.820009	9185.820009	0.0003654884919
3	$B_v 0,1,1,1$	f	1.43329914	fixed	
4	$B_v 2,1,1,1$	a	1.414522941	1.414522941	0.000002353339668
5	$D_v 0,1,1,1$	f	$2.83315 * 10^{-6}$	fixed	
6	$D_v 2,1,1,1$	a	$2.80061 * 10^{-6}$	$2.80061 * 10^{-6}$	$0.00364 * 10^{-6}$
7	$H_v 0,1,1,1$	f	$3.52 * 10^{-12}$	fixed	
8	$H_v 2,1,1,1$	a	$3.82 * 10^{-12}$	$3.82 * 10^{-12}$	$1.50 * 10^{-12}$
9	$Q_v 0,1,1,1$	f	$7.15128 * 10^{-3}$	fixed	
10	$Q_v 2,1,1,1$	a	$7.47974 * 10^{-3}$	$7.47974 * 10^{-3}$	$0.00273 * 10^{-3}$
11	$Q_{vJ} 0,1,1,1$	f	$8.0507 * 10^{-8}$	fixed	
12	$Q_{vJ} 2,1,1,1$	a	$10.043 * 10^{-8}$	$10.043 * 10^{-8}$	$0.532 * 10^{-8}$
13	$Q_{vJJ} 0,1,1,1$	f	$1.07 * 10^{-12}$	fixed	
14	$Q_{vJJ} 2,1,1,1$	a	$4.18 * 10^{-12}$	$4.18 * 10^{-12}$	$2.39 * 10^{-12}$

Nr.	Symbol	Fit / fix	Start value	Fit 1	Fit 1 $\delta$
					Save 1 in mol
1	$Q_{1v 0,2,2,1}$	f	$0.0705 * 10^{-4}$	fixed	
2	$Q_{1v 2,2,2,1}$	f	$0.0705 * 10^{-4}$	fixed	
3	$G_{vz 0,2,0,1}$	f	3455.790658	fixed	
4	$G_{vz 0,2,2,1}$	f	3476.021425	fixed	
5	$G_{vz 2,2,0,1}$	a	9837.711465	9837.71148	0.001163930532
6	$G_{vz 2,2,2,1}$	a	9857.539731	9857.539723	0.0007100093111
7	$B_v 0,2,0,1$	f	1.43682343	fixed	
8	$B_v 0,2,2,1$	f	1.43603278	fixed	
9	$B_v 2,2,0,1$	a	1.418474859	1.418474976	0.000005290165709
10	$B_v 2,2,2,1$	a	1.417644082	1.417644043	0.00000315250712
11	$D_v 0,2,0,1$	f	$2.89374 * 10^{-6}$	fixed	
12	$D_v 0,2,2,1$	f	$2.88695 * 10^{-6}$	fixed	
13	$D_v 2,2,0,1$	a	$2.88538 * 10^{-6}$	$2.88553 * 10^{-6}$	$0.00424 * 10^{-6}$
14	$D_v 2,2,2,1$	a	$2.86582 * 10^{-6}$	$2.86577 * 10^{-6}$	$0.00257 * 10^{-6}$
15	$H_v 0,2,0,1$	f	$4.22 * 10^{-12}$	fixed	
16	$H_v 0,2,2,1$	f	$3.41 * 10^{-12}$	fixed	
17	$H_v 2,2,0,1$	f	$4.843 * 10^{-12}$	fixed	
18	$H_v 2,2,2,1$	f	$3.999 * 10^{-12}$	fixed	
19	$Q_v 0,2,2,1$	f	$7.23863 * 10^{-3}$	fixed	
20	$Q_v 2,2,2,1$	a	$7.60635 * 10^{-3}$	$7.60741 * 10^{-3}$	$0.00387 * 10^{-3}$
21	$Q_{vJ} 0,2,2,1$	f	$8.453 * 10^{-8}$	fixed	
22	$Q_{vJ} 2,2,2,1$	a	$11.763 * 10^{-8}$	$11.986 * 10^{-8}$	$0.347 * 10^{-8}$
23	$Q_{vJJ} 0,2,2,1$	f	$1.1 * 10^{-12}$	fixed	
24	$Q_{vJJ} 2,2,2,1$	f	$1.1 * 10^{-12}$	fixed	
25	$\rho_v 0,2,2,1$	f	$-1.579 * 10^{-8}$	fixed	
26	$\rho_v 2,2,2,1$	f	$-1.58 * 10^{-8}$	fixed	

Nr.	Symbol	Fit / fix	Start value	Fit 1	Fit 1 $\delta$
					Save 1 in mol
1	$G_{vz 0,0,0,0}$	f	0.0	fixed	
2	$G_{vz 1,2,0,1}$	a	6699.102016	6699.102016	0.000942534489
3	$G_{vz 1,2,2,1}$	f	6719.31818	fixed	
4	$B_v 0,0,0,0$	f	1.440000472	fixed	
5	$B_v 1,2,0,1$	a	1.427818941	1.427818939	0.000006860791079
6	$B_v 1,2,2,1$	f	1.4270048	fixed	
7	$D_v 0,0,0,0$	f	$2.76854 * 10^{-6}$	fixed	
8	$D_v 1,2,0,1$	a	$2.9026 * 10^{-6}$	$2.9026 * 10^{-6}$	$0.0171 * 10^{-6}$
9	$D_v 1,2,2,1$	f	$2.875 * 10^{-6}$	fixed	
10	$H_v 0,0,0,0$	f	$2.701 * 10^{-12}$	fixed	
11	$H_v 1,2,0,1$	f	$4.92 * 10^{-12}$	fixed	
12	$H_v 1,2,2,1$	f	$4.32 * 10^{-12}$	fixed	
13	$Q_v 1,2,2,1$	a	$7.4600 * 10^{-3}$	$7.4600 * 10^{-3}$	$0.0264 * 10^{-3}$
14	$Q_{vJ} 1,2,2,1$	f	$9.55 * 10^{-8}$	fixed	
15	$Q_{vJJ} 1,2,2,1$	f	$1.1 * 10^{-12}$	fixed	
16	$\rho_v 1,2,2,1$	f	$-1.714 * 10^{-8}$	fixed	

Nr.	Symbol	Fit / fix	Start value	Fit 1	Fit 1 $\delta$
					Save 1 in mol
1	$Q_{1v 1,3,3,1}$	f	$0.0828 * 10^{-4}$	fixed	
2	$G_{vz 0,1,1,0}$	f	707.408891	fixed	
3	$G_{vz 1,3,1,1}$	a	7374.845596	7374.845596	0.0004704974009
4	$G_{vz 1,3,3,1}$	f	7415.389112	fixed	
5	$B_v 0,1,1,0$	f	1.443157181	fixed	
6	$B_v 1,3,1,1$	a	1.431253405	1.431253405	0.000002162574011
7	$B_v 1,3,3,1$	f	1.429586892	fixed	
8	$D_v 0,1,1,0$	f	$2.82774 * 10^{-6}$	fixed	
9	$D_v 1,3,1,1$	a	$2.94179 * 10^{-6}$	$2.94179 * 10^{-6}$	$0.00190 * 10^{-6}$
10	$D_v 1,3,3,1$	f	$2.929188 * 10^{-6}$	fixed	
11	$H_v 0,1,1,0$	f	$3.266 * 10^{-12}$	fixed	
12	$H_v 1,3,1,1$	f	$5.098 * 10^{-12}$	fixed	
13	$H_v 1,3,3,1$	f	$3.41 * 10^{-12}$	fixed	
14	$Q_v 0,1,1,0$	f	$7.166195 * 10^{-3}$	fixed	
15	$Q_v 1,3,3,1$	a	$7.560420 * 10^{-3}$	$7.560420 * 10^{-3}$	$0.000575 * 10^{-3}$
16	$Q_{vJ} 0,1,1,0$	f	$8.1073 * 10^{-8}$	fixed	
17	$Q_{vJ} 1,3,3,1$	f	$8.63739 * 10^{-8}$	fixed	
18	$Q_{vJJ} 0,1,1,0$	f	$1.135 * 10^{-12}$	fixed	
19	$Q_{vJJ} 1,3,3,1$	f	$1.1 * 10^{-12}$	fixed	
20	$\rho_v 1,3,3,1$	f	$0.22946 * 10^{-8}$	fixed	

Nr.	Symbol	Fit / fix	Start value	Fit 1	Fit 1 $\delta$
					Save 1 in mol
1	$Q_{1v 1,4,4,1}$	f	$0.0828 * 10^{-4}$	fixed	
2	$Q_{1v 0,2,2,0}$	f	$0.0705 * 10^{-4}$	fixed	
3	$G_{vz 1,4,0,1}$	a	8035.774529	8035.774528	0.001243462416
4	$G_{vz 1,4,2,1}$	a	8056.081778	8056.081779	0.0008475057078
5	$G_{vz 1,4,4,1}$	f	8117.119316	fixed	
6	$G_{vz 0,2,0,0}$	f	1399.760658	fixed	
7	$G_{vz 0,2,2,0}$	f	1420.418451	fixed	
8	$B_v 1,4,0,1$	a	1.435232467	1.435232476	0.000008929874458
9	$B_v 1,4,2,1$	a	1.43439073	1.434390702	0.00000657285147
10	$B_v 1,4,4,1$	f	1.431793125	fixed	
11	$B_v 0,2,0,0$	f	1.446801862	fixed	
12	$B_v 0,2,2,0$	f	1.445995548	fixed	
13	$D_v 1,4,0,1$	a	$3.0230 * 10^{-6}$	$3.0229 * 10^{-6}$	$0.0109 * 10^{-6}$
14	$D_v 1,4,2,1$	a	$3.02640 * 10^{-6}$	$3.02638 * 10^{-6}$	$0.00808 * 10^{-6}$
15	$D_v 1,4,4,1$	f	$2.9752995 * 10^{-6}$	fixed	
16	$D_v 0,2,0,0$	f	$2.88954 * 10^{-6}$	fixed	
17	$D_v 0,2,2,0$	f	$2.88341 * 10^{-6}$	fixed	
18	$H_v 1,4,0,1$	f	$6.075 * 10^{-12}$	fixed	
19	$H_v 1,4,2,1$	f	$5.231 * 10^{-12}$	fixed	
20	$H_v 1,4,4,1$	f	$2.699 * 10^{-12}$	fixed	
21	$H_v 0,2,0,0$	f	$4.344 * 10^{-12}$	fixed	
22	$H_v 0,2,2,0$	f	$3.336 * 10^{-12}$	fixed	
23	$Q_{vJ 1,4,4,1}$	a	$7.6676955 * 10^{-3}$	$7.66772 * 10^{-3}$	$0.00150 * 10^{-3}$
24	$Q_{vJ 0,2,2,0}$	f	$7.26875 * 10^{-3}$	fixed	
25	$Q_{vJJ 1,4,4,1}$	f	$10.317 * 10^{-8}$	fixed	
26	$Q_{vJJ 0,2,2,0}$	f	$8.4951 * 10^{-8}$	fixed	
27	$Q_{vJJ 1,4,4,1}$	f	$1.1 * 10^{-12}$	fixed	
28	$Q_{vJJ 0,2,2,0}$	f	$1.159 * 10^{-12}$	fixed	
29	$\rho_v 1,4,4,1$	f	$-1.676 * 10^{-8}$	fixed	
30	$\rho_v 0,2,2,0$	f	$-1.714 * 10^{-8}$	fixed	

Nr.	Symbol	Fit / fix	Start value	Fit 1	Fit 1 $\delta$
					Save 1 in mol
1	$Q_{1v 0,3,3,0}$	f	$0.0705 * 10^{-4}$	fixed	
2	$Q_{1v 1,5,5,1}$	f	$0.0828 * 10^{-4}$	fixed	
3	$G_{vz 0,3,3,0}$	f	2139.156364	fixed	
4	$G_{vz 1,5,1,1}$	a	8702.133461	8702.134221	0.002425869451
5	$G_{vz 1,5,3,1}$	a	8742.916439	8742.910183	0.002942843969
6	$G_{vz 1,5,5,1}$	f	8824.599012	fixed	
7	$G_{vz 0,3,1,0}$	f	2097.719897	fixed	
8	$B_v 0,3,3,0$	f	1.448490235	fixed	
9	$B_v 1,5,1,1$	a	1.438936176	1.43892968	0.00002329248319
10	$B_v 1,5,3,1$	a	1.437009756	1.437060926	0.0000280212585
11	$B_v 1,5,5,1$	f	1.433593945	fixed	
12	$B_v 0,3,1,0$	f	1.450144159	fixed	
13	$D_v 0,3,3,0$	f	$2.93419 * 10^{-6}$	fixed	
14	$D_v 1,5,1,1$	a	$3.1487 * 10^{-6}$	$3.1358 * 10^{-6}$	$0.0463 * 10^{-6}$
15	$D_v 1,5,3,1$	a	$2.8790 * 10^{-6}$	$2.9664 * 10^{-6}$	$0.0549 * 10^{-6}$
16	$D_v 1,5,5,1$	f	$3.014074 * 10^{-6}$	fixed	
17	$D_v 0,3,1,0$	f	$2.94781 * 10^{-6}$	fixed	
18	$H_v 0,3,3,0$	f	$3.14 * 10^{-12}$	fixed	
19	$H_v 1,5,1,1$	f	$6.63 * 10^{-12}$	fixed	
20	$H_v 1,5,3,1$	f	$4.942 * 10^{-12}$	fixed	
21	$H_v 1,5,5,1$	f	$1.566 * 10^{-12}$	fixed	
22	$H_v 0,3,1,0$	f	$4.62 * 10^{-12}$	fixed	
23	$Q_{vJ 0,3,3,0}$	f	$7.375054 * 10^{-3}$	fixed	
24	$Q_{vJ 1,5,5,1}$	a	$7.79320 * 10^{-3}$	$7.79098 * 10^{-3}$	$0.00657 * 10^{-3}$
25	$Q_{vJJ 0,3,3,0}$	f	$8.9691 * 10^{-8}$	fixed	
26	$Q_{vJJ 1,5,5,1}$	a	$12.23 * 10^{-8}$	$11.50 * 10^{-8}$	$1.85 * 10^{-8}$
27	$Q_{vJJ 0,3,3,0}$	f	$1.099 * 10^{-12}$	fixed	
28	$Q_{vJJ 1,5,5,1}$	f	$1.1 * 10^{-12}$	fixed	
29	$\rho_v 0,3,3,0$	f	$-1.752 * 10^{-8}$	fixed	
30	$\rho_v 1,5,5,1$	a	$-4.59 * 10^{-8}$	$-4.23 * 10^{-8}$	$1.09 * 10^{-8}$