This is the completed set of tables of the paper:

Theoretical resolution of the H^- resonance spectrum up to the $n = 4$ threshold, II: States of ^1S and ^1D symmetries.

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TABLE I. Energies above the H ground state (in $a.u.$) and widths (in $a.u.$) of the ^1S and ^1D resonances below the $n = 2$ hydrogen threshold obtained from the solution of the complex eigenvalue Schrödinger equation (CESE – this work) and from the solution of the Harris-Nesbet algebraic coupled-channel equations (Gien – ref. [8]). The notation $[x]$ means 10^{-x}.

	Gien [8]		This work	
	E	Γ	E	Γ
$^1S(1)$	0.351232565	1.736[3]	0.35122025	1.73870[3]
(2)	0.37399025135	8.93[5]	0.373979753	9.0934[9]
(3)	0.37494272785	5.145[6]	0.374942173	5.2292[6]
(4)	0.3749967172	2.943[7]	0.37499668576	2.998[7]
(5)	0.37499981185	1.6915[8]	0.374999809851	1.7176[8]
(6)	0.3749999921	6.34[10]	0.374999989	<4[9]
$^1D(1)$	0.37209987705	3.153[4]	0.3720726	3.20[4]
(2)	0.3749996703	2.462[8]	0.3749996629	2.6[8]

TABLE II. Results of the present CESE (complex eigenvalue Schrödinger equation) calculations for H^- resonances of $^1S^e$ symmetry below the $n = 2$ threshold. E: total energy in $a.u.$. For H^-, $1a.u. = 27.19658eV$. Γ: total width. $\epsilon_m \equiv E_{th} - E_m$: the energy distance from threshold. $R_\epsilon \equiv \epsilon_{m-1}/\epsilon_m$, $R_\Gamma \equiv \Gamma_{m-1}/\Gamma_m$.

State	$-E(a.u.)$	$\epsilon(10^{-8}a.u.)$	$\frac{\Gamma}{2}(10^{-8}a.u.)$	R_ϵ	R_Γ
1	0.14877975	2377975	86935.		
2	0.126020247	102024.7	4546.7	23.31	19.12
3	0.125057827	5782.7	261.46	17.64	17.39
4	0.12500331424	331.424	14.99	17.45	17.44
5	0.125000190149	19.0149	0.8588	17.43	17.46
6	0.125000011	1.1	< 0.2	17.3	$^{a)}$
The value of the ratio given by the G-D model is [34]				17.429	

$^{a)}$ Because of the extreme diffuseness of this state function and of the corresponding small number for Γ, the value for R_Γ did not have the same level of accuracy and therefore it is excluded from the list.

TABLE III. As in Table II, for ${}^1D^e$ H^- resonances below the $n=2$ threshold.

State	$-E(a.u.)$	$\epsilon(10^{-6}a.u.)$	$\frac{\Gamma}{2}(10^{-6}a.u.)$	R_ϵ	R_Γ
1	0.1279274$^{a)}$	2927.4	160.		
2	0.1250003371	0.3371	0.0130	8684.	12307.
The value of the ratio given by the G-D model is [34]				4422	

$^{a)}$ This energy corresponds to $10.8738eV$ above the H^- ${}^1S$ ground state, using $1a.u. = 27.19658eV$ and the nonrelativistic H^- energy $-0.5277510a.u.$. The two-photon experiment of Stintz *et al* [35] gave $10.872 \pm 0.002eV$.

TABLE IV. Experimental values for H^- ^1S and ^1D resonances between the $n = 2$ and $n = 4$ thresholds. The energies, E, are in eV above the H ground state and the widths, Γ, are in meV.

	McGowan *et al* [3]	Spence [13]	Williams [14]		Warner *et al* [15]
	E	E	E	Γ	E
$^1S(1)$	11.65 ± 0.03		11.723	41 ± 8	11.718 ± 0.009
$^1S(2)$			12.026	9 ± 3	12.077 ± 0.010
$^1D(1)$	11.89 ± 0.02	11.860 ± 0.030	11.805	46 ± 8	11.815 ± 0.005
$^1D(2)$			12.04	7 ± 3	12.055 ± 0.008

TABLE V. Positions above the H ground state (in $a.u.$) and widths (in mau, $1mau = 10^{-3}a.u.$) of H^- ^1S and ^1D resonances below the $n = 3$ threshold, as identified in this and in previous works.

	Algebraic coupled-channel		R-matrix		Complex coordinate rotation						CESE	
	Callaway [30]		Odgers *et al* [32]		Ho [19]		Ho and Callaway [20]		Bhatia and Ho [22]		This work	
	$E(a.u.)$	Γ (mau)	$E(a.u.)$	Γ (mau)	$E(a.u.)$	Γ (mau)	$E(a.u.)$	Γ (mau)	$E(a.u.)$	Γ (mau)	$E(a.u.)$	Γ(mau)
$^1S(1)$	0.431003	1.430	0.43100	1.52	0.43100	1.42					0.43099394	1.41786
(2)	0.442232	0.306	0.44228	0.299							0.44221827	0.30822
(3)	0.443872	0.0776	0.44389	0.094							0.443860535	0.087792
(4)	0.444004	0.034	0.44400	0.032							0.443993379	0.049676
(5)											0.4443508498	0.012986
(6)											0.4444250551	0.0027234
(7)											0.4444404250	0.00056584
(8)											0.44444361103	0.00011733
(9)											0.44444427160	0.00002432
(10)											0.4444444085	0.00000628
$^1D(1)$	0.434055	1.635	0.43404	1.68			0.4340	1.6	0.4340467	1.658	0.434041	1.652
(2)	0.443188	0.242	0.44321	0.242							0.4431694	0.2528
(3)	0.444100	0.027	0.44427	0.0214							0.44424173	0.04168
(4)											0.44426613	0.04936
(5)											0.444411505	0.006856
(6)											0.4444390840	0.0011232
(7)											0.4444425339	0.0007814
(8)											0.44444357062	0.000183112
(9)											0.44444430197	0.0000296
(10)											0.4444444206	0.0000114

TABLE VI. Positions above the H ground state (in $a.u.$) and widths (in mau, $1 mau = 10^{-3} a.u.$) of H^- ^1S and ^1D resonances below the $n = 4$ threshold, as identified from the implementation of four methods for the calculation of resonances.

	R-matrix		Complex coordinate rotation				Algebraic coupled-channel		CESE	
	Pathak *et al* [31]		Ho and Callaway [20]		Ho [21]		Callaway [30]		This work	
	$E(a.u.)$	Γ (mau)	$E(a.u.)$	Γ (mau)	$E(a.u.)$	Γ (mau)	$E(a.u.)$	Γ (mau)	$E(a.u.)$	Γ (mau)
$^1S(1)$	0.460392	1.09	0.46036	0.95	0.460362	0.95	0.4603	1.0	0.46036471	0.95466
(2)	0.465307	0.71	0.46527	0.88	0.46527	0.88	0.4657	0.81	0.46527663	0.8636
(3)	0.466475	0.27			0.466433	0.34			0.46643330	0.34036
(4)	0.468005	0.093			0.467982	0.127			0.46798266	0.127954
(5)	0.468483	0.045			0.468491	0.046			0.46849313	0.04534
(6)	0.468540	0.045			0.46853	0.07			0.468531196	0.069572
(7)	0.468662	0.013							0.46866427	0.015208
(8)									0.468721274	0.005134
(9)									0.4687361131	0.004744
(10)									0.46874036	0.001720
(11)									0.4687467663	0.0005614
(12)									0.4687489161	0.00019548
(13)									0.46874914414	0.00029276
(14)									0.4687496373	0.00006504
(15)									0.4687498804	0.0000202
(16)									0.46874994720	0.00001834
(17)									0.46874998	0.00002
$^1D(1)$	0.461246	1.25	0.46125	0.95			0.4613	1.2	0.4612636	0.9882
(2)	0.465523	0.735	0.46551	0.76					0.46550115	0.7674
(3)	0.466829	0.210	0.46687	0.24					0.4668382	0.3152
(4)	0.466943	0.272							0.46688715	0.22538
(5)	0.467338	0.013							0.467332382	0.01538
(6)	0.468185	0.010							0.46817064	0.1098
(7)	0.468475	0.0075							0.46847318	0.00418
(8)	0.468689	0.0075							0.4685698	0.05286
(9)	0.468696								0.46856980	0.035506
(10)									0.46869466	0.00076
(11)									0.46869377	0.01124
(12)									0.468732598	0.00350
(13)									0.4687388165	0.000254
(14)									0.468740005	0.003328
(15)									0.4687421425	0.001916
(16)									0.468744565	0.001084
(17)									0.4687477424	0.0000320
(18)									0.4687482994	0.0003374
(19)									0.4687494674	0.0001066
(20)									0.46874950228	0.00015178
(21)									0.46874954519	0.00000876
(22)									0.4687498367	0.0000390
(23)									0.4687499115	0.00000286
(24)									0.4687499797	0.00001266

TABLE VII. Energy (in $10^{-4}eV$ above the H $n = 3$ threshold), width (in $10^{-4}eV$) and wavefunction composition (in terms of the dominant symmetries) of the H^- ^1D *shape* resonance above the $n = 3$ threshold from the present CESE calculations. Comparison is made with the E and Γ obtained by Ho and Bhatia [23] who implemented the CCR method.

CESE (this work)								CCR [23]	
E	Γ	dd	sd	pp	pf	ff	dg	E	Γ
4.965	8.6	0.561	0.234	0.092	0.084	0.017	0.012	1171	1569

TABLE VIII. The orbital basis set used in the present computation of ^1S and ^1D resonances. The number of localized radial STO's, N_{loc}, and the number of complex rotated radial STO's, N_{rot}, for each orbital symmetry, l, are given. The STOs are chosen systematically so as to have their average r fall in a regular way inside the range defined by $< r >_{min}$ and $< r >_{max}$.

	s		p		d		f		g		h	i	$< r >_{min}$	$< r >_{max}$
	N_{loc}	N_{rot}	N_{loc}	N_{rot}	N_{loc}	N_{rot}	N_{loc}	N_{rot}	N_{loc}	N_{rot}	N_{loc}	N_{loc}	$(a.u.)$	$(a.u.)$
^1S	32	34	32	33	32	32	32		30		28		1.5	8000
^1D	31	32	31	31	31	30	31	29	29	28	27	25	1.1	5500

TABLE IX. The basis set expansion for the CESE computation of ^1S and ^1D resonances. For a given total symmetry the number of radial terms within the angular contribution ll' is given.

	ss	pp	dd	ff	gg	hh	sd	pf	dg	fh	gi	Total
^1S	596	491	424	392	345	301						2549
^1D		436	373	343	299		884	759	655	582	501	4832

TABLE X. As in Table II, for ${}^1S^e$ H^- resonances below the $n = 3$ threshold. Note that, apart from the series A predicted by the G-D model [34], the B state appears, which is not predicted by the model.

State	$-E(a.u.)$	$\epsilon(10^{-8}a.u.)$	$\frac{\Gamma}{2}(10^{-8}a.u.)$	R_ϵ	R_Γ
1 A1	0.06900606	1345050.	70893.		
2 A2	0.05778173	222617.	15411.	6.042	4.600
3 B	0.056139465	58390.9	4389.6		
4 A3	0.056006621	45106.5	2483.8	4.938	6.204
5 A4	0.0556491502	9359.46	649.3	4.819	3.825
6 A5	0.0555749449	1938.93	136.17	4.827	4.76
7 A6	0.0555595750	401.94	28.292	4.824	4.813
8 A7	0.05555638897	83.341	5.8665	4.823	4.823
9 A8	0.05555572840	17.284	1.216	4.822	4.824
10 A9	0.0555555915	3.59	0.314	4.81	[a)]
The value of the ratio given by the G-D model is [34]				4.823	

[b)] See footnote of Table II.

TABLE XI. As in table II, for ${}^1S^e$ H^- resonances below the $n = 4$ threshold. Note the existence of overlapping resonances, A4 and B2.

				A		B	
State	$-E(a.u.)$	$\epsilon(10^{-8}a.u.)$	$\frac{\Gamma}{2}(10^{-6}a.u.)$	R_ϵ	R_Γ	R_ϵ	R_Γ
1 A1	0.03963529	838529.	477.33				
2 B1	0.03472337	347337.	431.8				
3 A2	0.03356670	231670.	170.18	3.619	2.805		
4 A3	0.03201734	76734.	63.977	3.019	2.660		
5 A4	0.03150687	25687.	22.67	2.987	2.822		
6 B2	0.031468804	21880.4	34.786			15.874	12.413
7 A5	0.03133573	8573.	7.604	2.996	2.981		
8 A6	0.031278726	2872.6	2.567	2.984	2.962		
9 B3	0.0312638869	1388.69	2.372			15.756	14.665
10 A7	0.03125964	964.	0.860	2.980	2.985		
11 A8	0.0312532337	323.37	0.2807	2.981	3.064		
12 A9	0.0312510839	108.39	0.09774	2.983	2.872		
13 B4	0.03125085586	85.586	0.14638			16.226	16.204
14 A10	0.0312503627	36.27	0.03252	2.988	3.006		
15 A11	0.0312501196	11.96	0.0101	3.033	3.220		
16 B5	0.03125005280	5.280	0.00917			16.209	15.963
17 A12	0.03125002	2.	0.01	$^{a)}$	$^{a)}$		
The values of the ratio given by the G-D model are [34]				2.982		16.210	

$^{a)}$ See footnote of Table II.

TABLE XII. As in table II, for ${}^1D^e$ H^- resonances below the $n = 3$ threshold. Note the existence of overlapping resonances, A3 and B1.

				A		B	
State	$-E(a.u.)$	$\epsilon(10^{-6}a.u.)$	$\frac{\Gamma}{2}(10^{-6}a.u.)$	R_ϵ	R_Γ	R_ϵ	R_Γ
1 A1	0.065959	10403.	826.				
2 A2	0.0568306	1275.0	126.4	8.159	6.535		
3 A3	0.05575827	202.71	20.84	6.290	6.065		
4 B1	0.05573387	178.31	24.68				
5 A4	0.055588495	32.939	3.428	6.154	6.079		
6 A5	0.0555609160	5.3604	0.5616	6.145	6.104		
7 B2	0.0555574661	1.9105	0.3907			93.332	63.169
8 A6	0.05555642938	0.87382	0.091556	6.134	6.134		
9 A7	0.05555569803	0.14247	0.0148	6.133	6.186		
10 B3	0.0555555794	0.0238	0.0057			80.125	68.544
The values of the ratio given by the G-D model are [34]				6.134		80.552	

TABLE XIII. As in table II, for $^1D^e$ H^- resonances below the $n = 4$ threshold. Note the existence of pairs of overlapping resonances: B2 and A4, D3 and A5, D4 and B3, B3 and C2, B4 and D6.

				A		B		C		D	
State	$-E(a.u.)$	$\epsilon(10^{-6}a.u.)$	$\frac{\Gamma}{2}(10^{-6}a.u.)$	R_ϵ	R_Γ	R_ϵ	R_Γ	R_ϵ	R_Γ	R_ϵ	R_Γ
1 A1	0.0387364	7486.4	494.1								
2 B1	0.03449885	3248.85	383.7								
3 A2	0.0331618	1911.8	157.6	3.916	3.135						
4 C1	0.03311285	1862.85	112.69								
5 D1	0.032667618	1417.618	7.69								
6 A3	0.03182936	579.36	54.9	3.300	2.871						
7 D2	0.03152682	276.82	2.09							5.121	3.679
8 B2	0.0314302	180.2	26.43			18.029	14.518				
9 A4	0.03143020	180.20	17.753	3.215	3.092						
10 D3	0.03130534	55.34	0.38							5.002	5.500
11 A5	0.03130623	56.23	5.62	3.205	3.159						
12 A6	0.031267402	17.402	1.75	3.231	3.211						
13 D4	0.0312611835	11.1835	0.127							4.948	2.992
14 B3	0.031259995	9.995	1.664			18.029	15.883				
15 C2	0.0312578575	7.8575	0.958					237.079	117.630		
16 A7	0.031255435	5.435	0.542	3.202	3.229						
17 D5	0.0312522576	2.2576	0.0160							4.954	7.938
18 A8	0.0312517006	1.7006	0.1687	3.196	3.213						
19 A9	0.0312505326	0.5326	0.0533	3.193	3.165						
20 B4	0.03125049772	0.49772	0.07589			20.082	21.926				
21 D6	0.03125045481	0.45481	0.00438							4.964	3.653
22 A10	0.0312501633	0.1633	0.0195	3.261	2.733						
23 D7	0.0312500885	0.0885	0.00143							5.139	3.063
24 B5	0.0312500203	0.0203	0.00633			24.518	11.989				
The values of the ratio given by the G-D model are [34]				3.197		18.777		3227		4.940	

TABLE XIV. Wavefunction characteristics for the ^1S H$^-$ resonances lying below the $n = 2$ threshold. $< r_{out} >$ is the estimate for the size of each state due to the outer electron, computed as the average of the distance of the outer electron from the center of mass (in *a.u.*). $R_{<r>}$ is the ratio of consecutive values of $< r_{out} >$. The notation $[x]$ means 10^{-x}.

State	$< r_{out} >$	$R_{<r>}$	ss	pp	dd	ff	gg	hh
1	9.684		.674	.324	.2[2]	.2[4]	.2[6]	.1[8]
2	39.71	4.101	.610	.390	.3[3]	.2[5]	.4[7]	.2[8]
3	168.0	4.231	.589	.411	.2[4]	.1[6]	.2[8]	.1[9]
4	704.	4.190	.584	.416	.1[5]	.6[8]	.1[9]	.7[11]
5	2942.	4.179	.583	.417	.5[7]	.3[9]	.7[11]	.4[12]
6	11473.	3.900	.573	.427	.3[8]	.2[10]	.5[12]	.2[13]

TABLE XV. As in Table XIV for H^- ^1S resonances below the $n = 3$ threshold.

State	$< r_{out} >$	$R_{<r>}$	ss	pp	dd	ff	gg	hh
1 A1	20.10		.512	.443	.045	.3[3]	.8[6]	.5[7]
2 A2	44.92	2.235	.465	.467	.068	.2[3]	.6[6]	.2[7]
4 A3	100.4	2.235	.429	.468	.107	.2[2]	.2[5]	.2[6]
5 A4	228.8	2.279	.416	.486	.099	.4[4]	.4[7]	.3[8]
6 A5	507.1	2.216	.409	.488	.103	.7[5]	.7[8]	.4[9]
7 A6	1118.	2.205	.406	.489	.105	.1[5]	.1[8]	.8[10]
8 A7	2461.	2.201	.404	.489	.106	.3[6]	.3[9]	.2[10]
9 A8	5408.	2.197	.404	.490	.107	.6[7]	.6[10]	.4[11]
10 A9	11680.	2.160	.403	.492	.106	.1[7]	.1[10]	.7[12]
3 B	29.80		.294	.125	.563	.022	.3[4]	.3[5]

TABLE XVI. As in Table XIV for H^- ^1S resonances below the $n = 4$ threshold.

State	$< r_{out} >$	$R_{<r>}$	ss	pp	dd	ff	gg	hh
1 A1	34.76		.403	.477	.114	.6[2]	.3[4]	.7[7]
3 A2	60.79	1.749	.360	.476	.150	.014	.1[3]	.7[7]
4 A3	108.5	1.785	.349	.480	.157	.014	.4[4]	.3[7]
5 A4	192.6	1.775	.326	.473	.179	.022	.3[4]	.3[7]
7 A5	344.0	1.786	.322	.475	.182	.021	.5[5]	.5[8]
8 A6	597.6	1.737	.319	.475	.184	.022	.2[5]	.1[8]
10 A7	1033.	1.729	.316	.474	.188	.023	.8[6]	.8[9]
11 A8	1789.	1.732	.310	.474	.192	.024	.2[6]	.1[9]
12 A9	3083.	1.723	.312	.473	.191	.025	.8[7]	.7[10]
14 A10	5343.	1.733	.311	.474	.191	.024	.2[7]	.2[10]
15 A11	9251.	1.731	.312	.471	.192	.025	.6[8]	.5[11]
17 A12	12170.	1.316	.315	.454	.206	.028	.5[8]	.3[11]
2 B1	36.09		.278	.021	.471	.224	.7[2]	.3[5]
6 B2	103.6	2.871	.277	.011	.442	.271	.2[2]	.2[5]
9 B3	367.4	3.546	.272	.8[2]	.408	.313	.1[3]	.1[6]
13 B4	1440.	3.919	.272	.012	.391	.325	.6[5]	.6[8]
16 B5	5693.	3.953	.277	.012	.383	.328	.4[6]	.4[9]

TABLE XVII. As in Table XIV for the ^1D H^- resonances lying below the $n = 2$ threshold.

State	$< r_{out} >$	$R_{<r>}$	sd	pp	pf	dd	dg	ff	fh	gg	gi
1	14.35		.222	.767	.5[2]	.6[2]	.7[5]	.4[4]	.7[6]	.3[5]	.9[7]
2	1011.	70.45	.338	.618	.044	.6[6]	.1[7]	.3[8]	.7[10]	.2[9]	.7[11]

TABLE XVIII. As in Table XIV for H^- ^1D resonances below the $n = 3$ threshold.

State	$< r_{out} >$	$R_{<r>}$	sd	pp	pf	dd	dg	ff	fh	gg	gi
1 A1	20.24		.411	.526	.022	.041	.7[4]	.3[3]	.6[6]	.6[6]	.7[7]
2 A2	52.06	2.572	.422	.465	.058	.052	.3[2]	.1[3]	.2[5]	.3[6]	.1[7]
3 A3	133.8	2.570	.419	.439	.077	.061	.5[2]	.7[4]	.6[6]	.1[6]	.2[8]
5 A4	337.0	2.519	.420	.427	.085	.062	.7[2]	.9[5]	.1[6]	.2[7]	.4[9]
6 A5	841.4	2.497	.419	.422	.088	.063	.7[2]	.1[5]	.2[7]	.2[8]	.7[10]
8 A6	2090.	2.484	.419	.420	.089	.064	.8[2]	.3[6]	.3[8]	.5[9]	.1[10]
9 A7	5193.	2.485	.419	.419	.090	.064	.8[2]	.3[7]	.4[9]	.6[10]	.2[11]
11 A8	10817.	2.083	.406	.434	.105	.073	.012	.3[7]	.6[9]	.4[10]	.5[11]
4 B1	73.66		.759	.025	.215	.062	.025	.2[2]	.2[4]	.2[5]	.6[7]
7 B2	645.4	8.762	.662	.043	.251	.8[3]	.044	.3[4]	.3[6]	.4[7]	.7[9]
10 B3	6709.	10.395	.654	.100	.209	.8[2]	.040	.4[6]	.3[8]	.4[9]	.8[11]

TABLE XIX. As in Table XIV for H^- ^1D resonances below the $n = 4$ threshold.

State	$< r_{out} >$	$R_{<r>}$	sd	pp	pf	dd	dg	ff	fh	gg	gi
1 A1	34.71		.416	.421	.087	.069	.3[2]	.3[2]	.1[4]	.2[4]	.3[7]
3 A2	58.14	1.675	.362	.411	.147	.074	.029	.021	.6[3]	.8[3]	.9[6]
6 A3	118.3	2.035	.398	.361	.135	.086	.013	.7[2]	.5[3]	.1[4]	.4[6]
9 A4	219.6	1.856	.394	.344	.150	.086	.018	.7[2]	.1[2]	.7[5]	.1[6]
11 A5	398.5	1.815	.390	.344	.147	.093	.017	.010	.9[3]	.1[5]	.5[7]
12 A6	716.6	1.798	.386	.333	.156	.093	.020	.010	.1[2]	.4[6]	.2[7]
16 A7	1296.	1.809	.384	.330	.159	.094	.022	.011	.1[2]	.2[6]	.2[7]
18 A8	2304.	1.778	.384	.330	.159	.094	.022	.011	.1[2]	.5[7]	.2[8]
19 A9	4157.	1.804	.383	.323	.169	.089	.027	.8[2]	.2[2]	.3[7]	.2[9]
22 A10	7059.	1.698	.379	.329	.161	.096	.023	.011	.1[2]	.4[8]	.2[9]
2 B1	35.84		.161	.059	.128	.484	.017	.150	.4[3]	.4[2]	.3[6]
8 B2	107.5	2.999	.112	.047	.143	.449	.039	.205	.5[2]	.8[3]	.8[5]
14 B3	392.4	3.650	.100	.090	.249	.325	.084	.156	.016	.8[4]	.2[5]
20 B4	1704.	4.343	.119	.038	.162	.405	.040	.230	.8[2]	.2[5]	.3[7]
24 B5	6206.	3.642	.105	.037	.145	.420	.042	.244	.7[2]	.2[6]	.2[8]
4 C1	43.83		.112	.177	.416	.150	.109	.075	.3[2]	.2[2]	.5[5]
15 C2	275.7	6.290	.102	.139	.206	.208	.135	.201	.027	.8[4]	.1[4]
5 D1	59.71		.513	.8[2]	.417	.2[2]	.057	.3[3]	.2[2]	.1[4]	.5[5]
7 D2	132.7	2.222	.478	.013	.429	.2[2]	.073	.1[2]	.5[2]	.6[5]	.4[5]
10 D3	296.2	2.232	.444	.010	.444	.3[3]	.094	.1[3]	.9[2]	.3[6]	.1[5]
13 D4	667.1	2.252	.428	.017	.444	.011	.106	.4[2]	.011	.2[5]	.1[6]
17 D5	1474.	2.210	.419	.018	.442	.3[2]	.107	.2[3]	.012	.2[7]	.4[7]
21 D6	3282.	2.227	.411	.029	.430	.012	.106	.4[2]	.012	.4[7]	.1[7]
23 D7	6757.	2.059	.428	.016	.447	.2[2]	.098	.4[3]	.010	.7[9]	.2[8]

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[36] The complete set of tables of this paper is available from the EPAPS server. The deposit also provides the tables containing the wavefunction characteristics for all the states under consideration.