Table 4. Wavelengths and transition probabilities for E2 spectral lines in Co^{16+}.

λ/ Å	n	l	j	n'	l'	j'	A/s^{-1}
2752.546	5	2	2.5	5	4	3.5	0.95E+00
2730.003	5	2	2.5	5	4	4.5	0.30E+03
2690.342	5	2	1.5	5	4	3.5	0.96E+01
1717.328	6	1	1.5	6	3	2.5	0.24E+03
1716.444	6	1	1.5	6	3	3.5	0.11E+04
1636.393	6	1	0.5	6	3	2.5	0.11E+04
957.488	5	1	1.5	5	3	2.5	0.83E+03
956.572	5	1	1.5	5	3	3.5	0.38E+04
916.509	5	1	0.5	5	3	2.5	0.36E+04
743.882	5	0	0.5	5	2	1.5	0.12E+05
739.262	5	0	0.5	5	2	2.5	0.13E+05
469.241	4	1	1.5	4	3	2.5	0.31E+04
467.814	4	1	1.5	4	3	3.5	0.14E+05
448.049	4	1	0.5	4	3	2.5	0.14E+05
426.913	6	3	3.5	7	3	3.5	0.27E+06
426.858	6	3	2.5	7	3	3.5	0.33E+05
426.803	6	3	3.5	7	3	2.5	0.44E+05
426.749	6	3	2.5	7	3	2.5	0.26E+06
414.147	6	2	2.5	7	2	1.5	0.12E+06
413.343	6	2	2.5	7	2	2.5	0.33E+06
413.326	6	2	1.5	7	2	1.5	0.29E+06
412.524	6	2	1.5	7	2	2.5	0.82E+05
364.777	4	0	0.5	4	2	1.5	0.61E+05
362.713	4	0	0.5	4	2	2.5	0.63E+05
341.880	6	1	1.5	7	3	3.5	0.13E+07
341.810	6	1	1.5	7	3	2.5	0.29E+06
338.478	6	1	0.5	7	3	2.5	0.10E+07
304.767	5	3	2.5	6	1	0.5	0.47E+06
302.206	5	3	3.5	6	1	1.5	0.41E+06
302.115	5	3	2.5	6	1	1.5	0.68E+05
273.015	5	4	3.5	6	2	1.5	0.99E+05
272.881	5	4	4.5	6	2	2.5	0.27E+07
272.658	5	4	3.5	6	2	2.5	0.73E+04
256.984	5	3	3.5	6	3	2.5	0.12E+06
256.964	5	3	3.5	6	3	3.5	0.77E+06
256.918	5	3	2.5	6	3	2.5	0.74E+06
256.898	5	3	2.5	6	3	3.5	0.92E+05
248.379	5	2	2.5	6	2	1.5	0.38E+06
248.084	5	2	2.5	6	2	2.5	0.10E+07
247.862	5	2	1.5	6	2	1.5	0.89E+06
247.568	5	2	1.5	6	2	2.5	0.26E+06
231.182	5	1	1.5	6	1	0.5	0.24E+07
229.653	5	1	1.5	6	1	1.5	0.12E+07
227.216	5	1	0.5	6	1	1.5	0.12E+07
202.564	5	1	1.5	6	3	2.5	0.12E+07
202.552	5	1	1.5	6	3	3.5	0.53E+07
200.666	5	1	0.5	6	3	2.5	0.42E+07

Table 4. Continued

$\lambda/$ Å	n	l	j	n'	l'	j'	A/s^{-1}
185.915	5	0	0.5	6	2	1.5	0.24E+07
185.749	5	0	0.5	6	2	2.5	0.24E+07
164.908	4	3	2.5	5	1	0.5	0.96E+06
164.414	5	4	3.5	7	2	1.5	0.67E+05
164.368	5	4	4.5	7	2	2.5	0.19E+07
164.287	5	4	3.5	7	2	2.5	0.49E+04
163.822	4	3	3.5	5	1	1.5	0.82E+06
163.647	4	3	2.5	5	1	1.5	0.14E+06
160.411	5	3	3.5	7	3	3.5	0.47E+06
160.395	5	3	3.5	7	3	2.5	0.75E+05
160.385	5	3	2.5	7	3	3.5	0.56E+05
160.369	5	3	2.5	7	3	2.5	0.45E+06
155.147	5	2	2.5	7	2	1.5	0.26E+06
155.034	5	2	2.5	7	2	2.5	0.70E+06
154.945	5	2	1.5	7	2	1.5	0.62E+06
154.832	5	2	1.5	7	2	2.5	0.18E+06
139.888	4	3	3.5	5	3	2.5	0.35E+06
139.868	4	3	3.5	5	3	3.5	0.22E+07
139.760	4	3	2.5	5	3	2.5	0.21E+07
139.741	4	3	2.5	5	3	3.5	0.27E+06
138.846	3	0	0.5	3	2	1.5	0.51E+06
138.135	3	0	0.5	3	2	2.5	0.53E+06
137.374	5	1	1.5	7	3	3.5	0.31E+07
137.363	5	1	1.5	7	3	2.5	0.69E+06
136.487	5	1	0.5	7	3	2.5	0.25E+07
133.890	4	2	2.5	5	2	1.5	0.14E+07
133.740	4	2	2.5	5	2	2.5	0.39E+07
133.611	4	2	1.5	5	2	1.5	0.34E+07
133.461	4	2	1.5	5	2	2.5	0.97E+06
128.235	5	0	0.5	7	2	1.5	0.20E+07
128.157	5	0	0.5	7	2	2.5	0.20E+07
127.543	4	2	2.5	5	4	3.5	0.23E+07
127.494	4	2	2.5	5	4	4.5	0.69E+09
127.290	4	2	1.5	5	4	3.5	0.21E+08
122.024	4	1	1.5	5	1	0.5	0.10E+08
121.333	4	1	1.5	5	1	1.5	0.52E+07
119.867	4	1	0.5	5	1	1.5	0.52E+07
107.687	4	1	1.5	5	3	2.5	0.66E+07
107.675	4	1	1.5	5	3	3.5	0.30E+08
106.530	4	1	0.5	5	3	2.5	0.23E+08
97.792	4	0	0.5	5	2	1.5	0.13E+08
97.712	4	0	0.5	5	2	2.5	0.13E+08
95.819	4	3	2.5	6	1	0.5	0.60E+06
95.615	4	3	3.5	6	1	1.5	0.52E+06
95.556	4	3	2.5	6	1	1.5	0.86E+05

Table 4. Continued

λ/ Å	n	l	j	n'	l'	j'	A/s^{-1}
90.572	4	3	3.5	6	3	2.5	0.17E+06
90.570	4	3	3.5	6	3	3.5	0.11E+07
90.519	4	3	2.5	6	3	2.5	0.11E+07
90.517	4	3	2.5	6	3	3.5	0.13E+06
86.932	4	2	2.5	6	2	1.5	0.86E+06
86.895	4	2	2.5	6	2	2.5	0.23E+07
86.814	4	2	1.5	6	2	1.5	0.20E+07
86.778	4	2	1.5	6	2	2.5	0.58E+06
79.571	4	1	1.5	6	1	0.5	0.67E+07
79.389	4	1	1.5	6	1	1.5	0.34E+07
78.759	4	1	0.5	6	1	1.5	0.34E+07
75.881	4	1	1.5	6	3	2.5	0.26E+07
75.879	4	1	1.5	6	3	3.5	0.12E+08
75.305	4	1	0.5	6	3	2.5	0.95E+07
74.682	4	3	2.5	7	3	3.5	0.74E+05
74.679	4	3	2.5	7	3	2.5	0.59E+06
71.745	4	2	1.5	7	2	1.5	0.13E+07
71.721	4	2	1.5	7	2	2.5	0.36E+06
74.715	4	3	3.5	7	3	2.5	0.98E+05
74.715	4	3	3.5	7	3	3.5	0.61E+06
71.825	4	2	2.5	7	2	1.5	0.54E+06
71.801	4	2	2.5	7	2	2.5	0.14E+07
70.125	4	0	0.5	6	2	1.5	0.95E+07
70.101	4	0	0.5	6	2	2.5	0.95E+07
65.295	3	2	2.5	4	0	0.5	0.13E+08
65.096	3	2	1.5	4	0	0.5	0.89E+07
64.428	4	1	1.5	7	3	3.5	0.51E+07
64.426	4	1	1.5	7	3	2.5	0.11E+07
64.010	4	1	0.5	7	3	2.5	0.43E+07
61.359	3	2	2.5	4	2	1.5	0.67E+07
61.300	3	2	2.5	4	2	2.5	0.18E+08
61.220	3	2	1.5	4	2	1.5	0.16E+08
61.161	3	2	1.5	4	2	2.5	0.45E+07
59.953	4	0	0.5	7	2	1.5	0.63E+07
59.936	4	0	0.5	7	2	2.5	0.63E+07
53.289	3	1	1.5	4	1	0.5	0.67E+08
53.005	3	1	1.5	4	1	1.5	0.33E+08
52.301	3	1	0.5	4	1	1.5	0.34E+08
47.625	3	1	1.5	4	3	2.5	0.57E+08
47.610	3	1	1.5	4	3	3.5	0.26E+09
47.056	3	1	0.5	4	3	2.5	0.21E+09
42.486	3	0	0.5	4	2	1.5	0.12E+09
42.458	3	0	0.5	4	2	2.5	0.12E+09
42.049	3	2	2.5	5	2	1.5	0.32E+07
42.034	3	2	2.5	5	2	2.5	0.84E+07

Table 4. Continued

λ/ Å	n	l	j	n'	l'	j'	A/s^{-1}
41.983	3	2	1.5	5	2	1.5	0.74E+07
41.968	3	2	1.5	5	2	2.5	0.21E+07
41.402	3	2	2.5	5	4	3.5	0.21E+08
41.396	3	2	2.5	5	4	4.5	0.62E+10
41.338	3	2	1.5	5	4	3.5	0.19E+09
36.953	3	1	1.5	5	1	0.5	0.36E+08
36.889	3	1	1.5	5	1	1.5	0.18E+08
36.547	3	1	0.5	5	1	1.5	0.19E+08
35.950	3	2	2.5	6	2	1.5	0.17E+07
35.944	3	2	2.5	6	2	2.5	0.46E+07
35.902	3	2	1.5	6	2	1.5	0.41E+07
35.896	3	2	1.5	6	2	2.5	0.12E+07
35.521	3	1	1.5	5	3	2.5	0.81E+07
35.520	3	1	1.5	5	3	3.5	0.36E+08
35.203	3	1	0.5	5	3	2.5	0.31E+08
33.073	3	2	2.5	7	2	1.5	0.11E+07
33.068	3	2	2.5	7	2	2.5	0.28E+07
33.033	3	2	1.5	7	2	1.5	0.25E+07
33.028	3	2	1.5	7	2	2.5	0.71E+06
32.236	3	0	0.5	5	2	1.5	0.68E+08
32.227	3	0	0.5	5	2	2.5	0.68E+08
31.813	3	1	1.5	6	1	0.5	0.21E+08
31.784	3	1	1.5	6	1	1.5	0.11E+08
31.529	3	1	0.5	6	1	1.5	0.11E+08
31.206	3	1	1.5	6	3	2.5	0.16E+07
31.206	3	1	1.5	6	3	3.5	0.71E+07
30.961	3	1	0.5	6	3	2.5	0.64E+07
29.080	3	1	1.5	7	3	2.5	0.34E+06
29.080	3	1	1.5	7	3	3.5	0.15E+07
28.867	3	1	0.5	7	3	2.5	0.15E+07
28.526	3	0	0.5	6	2	1.5	0.38E+08
28.522	3	0	0.5	6	2	2.5	0.38E+08
26.684	3	0	0.5	7	2	1.5	0.24E+08
26.681	3	0	0.5	7	2	2.5	0.24E+08