

Fonte dos dados: NIST Atomic Spectra Database Lines Data (Estados Unidos)

Hidrogênio (H)

Observed Wavelength Air (nm)	Unc. (nm)	Ritz Wavelength Air (nm)	Unc. (nm)	Rel. Int. (?)	A_{ki} (s ⁻¹)	Acc.	E_i (cm ⁻¹)	E_k (cm ⁻¹)	Lower Level Conf.	Upper Level Conf.
410.1734	0.0006	410.17415	0.00024	70000	9.7320e+05	AAA	82 259.158 - 106 632.1681		2	6
434.0472	0.0006	434.0471	0.0003	90000	2.5304e+06	AAA	82 259.158 - 105 291.657		2	5
486.135	0.005	486.1333	0.0003	180000	8.4193e+06	AAA	82 259.158 - 102 823.904		2	4
656.279	0.003	656.2819	0.0007	500000	4.4101e+07	AAA	82 259.158 - 97 492.304		2	3

Hélio (He)

Observed Wavelength Air (nm)	Unc. (nm)	Ritz Wavelength Air (nm)	Unc. (nm)	Rel. Int. (?)	A_{ki} (s ⁻¹)	Acc.	E_i (cm ⁻¹)	E_k (cm ⁻¹)	Lower Level Conf., Term, J	Upper Level Conf., Term, J
447.14802	0.00015	447.1470365	0.0000022	200*	6.8275e+05	AAA	[169 086.7664725] - [191 444.5006512]		1s2p ³ P° 2	1s4d ³ D 1
447.14802	0.00015	447.1474069	0.0000022	200*	6.1440e+06	AAA	[169 086.7664725] - [191 444.4821307]		1s2p ³ P° 2	1s4d ³ D 2
447.14802	0.00015	447.1474310	0.0000022	200*	2.4579e+07	AAA	[169 086.7664725] - [191 444.4809292]		1s2p ³ P° 2	1s4d ³ D 3
447.14802	0.00015	447.1485650	0.0000022	200*	1.0241e+07	AAA	[169 086.8428979] - [191 444.5006512]		1s2p ³ P° 1	1s4d ³ D 1
447.14802	0.00015	447.1489354	0.0000022	200*	1.8432e+07	AAA	[169 086.8428979] - [191 444.4821307]		1s2p ³ P° 1	1s4d ³ D 2
587.5621	0.0010	587.561396	0.000003	500*	1.7673e+07	AAA	[169 086.7664725] - [186 101.5486891]		1s2p ³ P° 2	1s3d ³ D 2
587.5621	0.0010	587.561483	0.000003	500*	7.0708e+07	AAA	[169 086.7664725] - [186 101.5461767]		1s2p ³ P° 2	1s3d ³ D 3
587.5621	0.0010	587.562509	0.000003	500*	2.9462e+07	AAA	[169 086.8428979] - [186 101.5928903]		1s2p ³ P° 1	1s3d ³ D 1
587.5621	0.0010	587.564035	0.000003	500*	5.3019e+07	AAA	[169 086.8428979] - [186 101.5486891]		1s2p ³ P° 1	1s3d ³ D 2

Sódio (Na)

Observed Wavelength Air (nm)	Unc. (nm)	Ritz Wavelength Air (nm)	Unc. (nm)	Rel. Int. (?)	A_{ki} (s ⁻¹)	Acc.	E_i (cm ⁻¹)	E_k (cm ⁻¹)	Lower Level Conf., Term, J	Upper Level Conf., Term, J
443.23	0.02	443.234	0.014	310	1.4e+07	D	263 745.3 - 286 300.4		2p ³ (² P°)3s3p(² P°) ⁴ S ³ / ₂	2p ³ 3s(² P°)4s ⁴ P° ³ / ₂
507.12	0.02	507.120	0.015	270	4.1e+07	D	266 586.7 - 286 300.4		2p ³ (² P°)3s3p(² P°) ⁴ D ⁷ / ₂	2p ³ 3s(² P°)4s ⁴ P° ³ / ₂
588.995095	0.000003	588.995094	0.000003	80000	6.16e+07	AA	0.00000 - 16 973.36619		2p ³ 3s ² S ¹ / ₂	2p ³ 3p ² P° ³ / ₂
589.592424	0.000003	589.592424	0.000003	40000	6.14e+07	AA	0.00000 - 16 956.17025		2p ³ 3s ² S ¹ / ₂	2p ³ 3p ² P° ¹ / ₂

Criptônio (Kr)

Observed Wavelength Air (nm)	Ritz Wavelength Air (nm)	Rel. Int. (?)	A_{ki} (s ⁻¹)	Acc.	E_i (cm ⁻¹)	E_k (cm ⁻¹)	Lower Level Conf., Term, J	Upper Level Conf., Term, J
427.396943	427.39694+	1000	2.6e+06	D	79 971.7417 - 103 362.6124		4s ² 4p ⁵ (² P° _{3/2})5s ² [³ / ₂] ^o 2	4s ² 4p ⁵ (² P° _{3/2})6p ² [³ / ₂] 2
431.85524	431.85519+	400			79 971.7417 - 103 121.1419		4s ² 4p ⁵ (² P° _{3/2})5s ² [³ / ₂] ^o 2	4s ² 4p ⁵ (² P° _{3/2})6p ² [³ / ₂] 2
431.95795	431.95796+	1000			79 971.7417 - 103 115.6343		4s ² 4p ⁵ (² P° _{3/2})5s ² [³ / ₂] ^o 2	4s ² 4p ⁵ (² P° _{3/2})6p ² [³ / ₂] 3
436.264157	436.26416+	500	8.4e+05	D	79 971.7417 - 102 887.1936		4s ² 4p ⁵ (² P° _{3/2})5s ² [³ / ₂] ^o 2	4s ² 4p ⁵ (² P° _{3/2})6p ² [³ / ₂] 1
437.612159	437.61216+	800	5.6e+06	D	80 916.7680 - 103 761.6336		4s ² 4p ⁵ (² P° _{3/2})5s ² [³ / ₂] ^o 1	4s ² 4p ⁵ (² P° _{3/2})6p ² [³ / ₂] 0
439.996634	439.99663+	200	2.0e+06	D	85 846.7046 - 108 567.7689		4s ² 4p ⁵ (² P° _{1/2})5s ² [¹ / ₂] ^o 1	4s ² 4p ⁵ (² P° _{1/2})6p ² [¹ / ₂] 2
445.391749	445.39175+	600	7.8e+05	D	80 916.7680 - 103 362.6124		4s ² 4p ⁵ (² P° _{3/2})5s ² [³ / ₂] ^o 1	4s ² 4p ⁵ (² P° _{3/2})6p ² [³ / ₂] 2
446.369000	446.36899+	800	2.3e+06	D	80 916.7680 - 103 313.4726		4s ² 4p ⁵ (² P° _{3/2})5s ² [³ / ₂] ^o 1	4s ² 4p ⁵ (² P° _{3/2})6p ² [³ / ₂] 1
450.235427	450.23543+	600	9.2e+05	D	80 916.7680 - 103 121.1419		4s ² 4p ⁵ (² P° _{3/2})5s ² [³ / ₂] ^o 1	4s ² 4p ⁵ (² P° _{3/2})6p ² [³ / ₂] 2
556.222534	556.22253+	500	2.8e+05	D	79 971.7417 - 97 945.1664		4s ² 4p ⁵ (² P° _{3/2})5s ² [³ / ₂] ^o 2	4s ² 4p ⁵ (² P° _{3/2})5p ² [³ / ₂] 2
557.028944	557.02893+	2000	2.1e+06	D	79 971.7417 - 97 919.1468		4s ² 4p ⁵ (² P° _{3/2})5s ² [³ / ₂] ^o 2	4s ² 4p ⁵ (² P° _{3/2})5p ² [³ / ₂] 1
587.091599	587.09157+	3000	1.8e+06	D	80 916.7680 - 97 945.1664		4s ² 4p ⁵ (² P° _{3/2})5s ² [³ / ₂] ^o 1	4s ² 4p ⁵ (² P° _{3/2})5p ² [³ / ₂] 2
645.628888	645.62888+	200			92 294.4012 - 107 778.8962		4s ² 4p ⁵ (² P° _{3/2})5p ² [⁵ / ₂] 3	4s ² 4p ⁵ (² P° _{3/2})6d ² [⁷ / ₂] ^o 4

Cádmio (Cd)

Observed Wavelength Air (nm)	Ritz Wavelength Air (nm)	Rel. Int. (?)	A_{ki} (s ⁻¹)	Acc.	E_i (cm ⁻¹)	E_k (cm ⁻¹)	Lower Level Conf., Term, J	Upper Level Conf., Term, J
467.81493	467.81500	200	1.3e+07	C	30 113.990 -	51 483.980	4d ¹⁰ 5s5p ³ P° 0	4d ¹⁰ 5s6s ³ S 1
479.99123	479.99121	300	4.1e+07	C	30 656.087 -	51 483.980	4d ¹⁰ 5s5p ³ P° 1	4d ¹⁰ 5s6s ³ S 1
508.58217	508.58214	1000 ^w	5.6e+07	C	31 826.952 -	51 483.980	4d ¹⁰ 5s5p ³ P° 2	4d ¹⁰ 5s6s ³ S 1
609.91421	609.9142	300			51 483.980 -	67 875.191	4d ¹⁰ 5s6s ³ S 1	4d ¹⁰ 5s8p ³ P° 2
643.84695	643.84695	2000	5.9e+07	C	43 692.384 -	59 219.734	4d ¹⁰ 5s5p ¹ P° 1	4d ¹⁰ 5s5d ¹ D 2

Mercúrio (Hg)

Observed Wavelength Air (nm)	Unc. (nm)	Ritz Wavelength Air (nm)	Unc. (nm)	Rel. Int. (?)	A_{ki} (s ⁻¹)	Acc.	E_i (cm ⁻¹)	E_k (cm ⁻¹)	Lower Level Conf., Term, J	Upper Level Conf., Term, J
404.65650	0.00010	404.65643	0.00008	12000	2.07e+07	B	37 644.982 -	62 350.325	5d ¹⁰ 6s6p ³ P° 0	5d ¹⁰ 6s7s ³ S 1
407.78370	0.00010	407.78370	0.00008	1000	4.0e+06	B	39 412.237 -	63 928.120	5d ¹⁰ 6s6p ³ P° 1	5d ¹⁰ 6s7s ¹ S 0
435.83350	0.00010	435.83363	0.00008	12000	5.6e+07	B	39 412.237 -	62 350.325	5d ¹⁰ 6s6p ³ P° 1	5d ¹⁰ 6s7s ³ S 1
546.07500	0.00010	546.07498	0.00009	6000	4.9e+07	B	44 042.909 -	62 350.325	5d ¹⁰ 6s6p ³ P° 2	5d ¹⁰ 6s7s ³ S 1
567.581	0.008	567.588	0.004	600			62 350.325 -	79 963.85	5d ¹⁰ 6s7s ³ S 1	5d ¹⁰ 6s9p ¹ P° 1
576.96100	0.00010	576.96095	0.00010	1000	2.36e+07	B	54 068.6829 -	71 396.073	5d ¹⁰ 6s6p ¹ P° 1	5d ¹⁰ 6s6d ³ D 2
579.06700	0.00010	579.06705	0.00010	900	3.1e+07	D	54 068.6829 -	71 333.053	5d ¹⁰ 6s6p ¹ P° 1	5d ¹⁰ 6s6d ¹ D 2
580.3782	0.0005	580.3783	0.0004	400			63 928.120 -	81 153.485	5d ¹⁰ 6s7s ¹ S 0	5d ¹⁰ 6s10p ¹ P° 1
671.634	0.010	671.636	0.007	600	2.4e+05	D	63 928.120 -	78 813.02	5d ¹⁰ 6s7s ¹ S 0	5d ⁹ 6s ² (² D _{5/2}) 6p ² [³ / ₂] ^o 1
690.746	0.011	690.746	0.004	1000	1.6e+06	D	62 350.325 -	76 823.43	5d ¹⁰ 6s7s ³ S 1	5d ¹⁰ 6s8p ³ P° 2

Xenônio (Xe)

Observed Wavelength Air (nm)	Unc. (nm)	Ritz Wavelength Air (nm)	Rel. Int. (?)	A_{ki} (s ⁻¹)	Acc.	E_i (cm ⁻¹)	E_k (cm ⁻¹)	Lower Level Conf., Term, J	Upper Level Conf., Term, J
473.41518	0.00005	473.4152+	600			68 045.156 -	89 162.356	5p ⁵ (² P° _{3/2}) 6s ² [³ / ₂] ^o 1	5p ⁵ (² P° _{3/2}) 6p ² [³ / ₂] ^o 2
480.70190	0.00005	480.7019+	500	2.4e+06		68 045.156 -	88 842.256	5p ⁵ (² P° _{3/2}) 6s ² [³ / ₂] ^o 1	5p ⁵ (² P° _{3/2}) 7p ² [¹ / ₂] ^o 0
482.9708	0.0002	482.9708+	400			68 045.156 -	88 744.559	5p ⁵ (² P° _{3/2}) 6s ² [³ / ₂] ^o 1	5p ⁵ (² P° _{3/2}) 7p ² [³ / ₂] ^o 1
484.32934	0.00005	484.3293+	300			68 045.156 -	88 686.500	5p ⁵ (² P° _{3/2}) 6s ² [³ / ₂] ^o 1	5p ⁵ (² P° _{3/2}) 7p ² [³ / ₂] ^o 2
491.6507	0.0002	491.6506+	500			68 045.156 -	88 379.126	5p ⁵ (² P° _{3/2}) 6s ² [³ / ₂] ^o 1	5p ⁵ (² P° _{3/2}) 6p ² [³ / ₂] ^o 1
492.3152	0.0002	492.3151+	500			68 045.156 -	88 351.681	5p ⁵ (² P° _{3/2}) 6s ² [³ / ₂] ^o 1	5p ⁵ (² P° _{3/2}) 7p ² [³ / ₂] ^o 2
502.82794	0.00005	502.8279+	200			68 045.156 -	87 927.131	5p ⁵ (² P° _{3/2}) 6s ² [³ / ₂] ^o 1	5p ⁵ (² P° _{3/2}) 7p ² [¹ / ₂] ^o 1
582.3890	0.0002	582.3887+	300			76 196.767 -	93 362.671	5p ⁵ (² P° _{1/2}) 6s ² [¹ / ₂] ^o 0	5p ⁵ (² P° _{3/2}) 5f ² [³ / ₂] ^o 1
618.2420	0.0002	618.2418+	300			78 119.798 -	94 290.225	5p ⁵ (² P° _{3/2}) 6p ² [³ / ₂] ^o 2	5p ⁵ (² P° _{3/2}) 8d ² [¹ / ₂] ^o 3
631.8062	0.0002	631.8063+	500			78 403.061 -	94 226.320	5p ⁵ (² P° _{3/2}) 6p ² [³ / ₂] ^o 3	5p ⁵ (² P° _{3/2}) 8d ² [¹ / ₂] ^o 4
646.9705	0.0002	646.9705+	300			77 269.145 -	92 721.530	5p ⁵ (² P° _{3/2}) 6p ² [¹ / ₂] ^o 1	5p ⁵ (² P° _{3/2}) 7d ² [³ / ₂] ^o 2
650.4180	0.0010	650.417+	200 ^h			80 196.629 -	95 567.14	5p ⁵ (² P° _{3/2}) 5d ² [¹ / ₂] ^o 4	5p ⁵ (² P° _{3/2}) 7f ² [³ / ₂] ^o 5
672.8008	0.0002	672.8006+	200			77 269.145 -	92 128.287	5p ⁵ (² P° _{3/2}) 6p ² [¹ / ₂] ^o 1	5p ⁵ (² P° _{3/2}) 7d ² [¹ / ₂] ^o 1
682.7315	0.0002	682.7313+	200			76 196.767 -	90 839.777	5p ⁵ (² P° _{1/2}) 6s ² [¹ / ₂] ^o 0	5p ⁵ (² P° _{3/2}) 4f ² [³ / ₂] ^o 1
688.2155	0.0002	688.2154+	300			78 119.798 -	92 646.125	5p ⁵ (² P° _{3/2}) 6p ² [³ / ₂] ^o 2	5p ⁵ (² P° _{3/2}) 7d ² [¹ / ₂] ^o 3