

atomic spectrum webbook
search experimental dat of ST gap



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約有 76,300 項結果 (搜尋時間 : 0.59 秒)

Atomic Spectra Database | NIST

<https://www.nist.gov/pml/atomic-spectra-database> 翻譯這個網頁

2009年7月21日 - NIST Standard Reference Database 78 Version 5.6 Last Update to Data Content: October 2018 | Version History &...

NIST Chemistry WebBook - the NIST WebBook

<https://webbook.nist.gov/chemistry/> 翻譯這個網頁

Evaluated Infrared Spectra: A description of one of the collections of IR ... THz Spectral Database: A description of THz infrared spectra measured by NIST.

Welcome to the NIST WebBook

<https://webbook.nist.gov/> 翻譯這個網頁

The NIST Chemistry WebBook provides access to data compiled and distributed by NIST under ... Electronic and vibrational spectra for over 5000 compounds.

缺少字詞 : atomic

Argon - the NIST WebBook

<https://webbook.nist.gov/cgi/cbook.cgi?ID=7440-37-1> 翻譯這個網頁

Other names: Ar; UN 1006; UN 1951; argon atom; Permanent link for this species ... NIST

Atomic Spectra Database - Lines Holdings (on physics web site) - NIST ...

neon - the NIST WebBook

<https://webbook.nist.gov/cgi/inchi/InChI%3D1S/Ne> 翻譯這個網頁

NIST Atomic Spectra Database - Lines Holdings (on physics web site) - NIST ... NIST Atomic

Spectra Database - Ground states and ionization energies (on ...



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Atomic Spectra Database

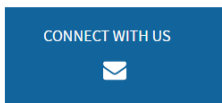
NIST Standard Reference Database 78

Version 5.6

Last Update to Data Content: October 2018 | [Version History & Citation Information](#) | [Disclaimer](#) |

DOI: <https://dx.doi.org/10.18434/T4W30F>

Welcome to the NIST Atomic Spectra Database, NIST Standard Reference Database #78. The spectroscopic data may be selected and displayed according to wavelengths or energy levels by choosing one of the following options:



LINES

Spectral lines and associated energy levels displayed in wavelength order with all selected spectra intermixed or in multiplet order. Transition probabilities for the lines are also displayed where available.

LEVELS

Energy levels of a particular atom or ion displayed in order of energy above the ground state.

GROUND STATES & IONIZATION ENERGIES

Ground states and ionization energies of atoms and atomic ions.

LIBS

ASD Interface for Laser Induced Breakdown Spectroscopy (LIBS)

NIST Atomic Spectra Database Levels Form

This form provides access to NIST critically evaluated data on atomic energy levels.

Spectrum: e.g., Fe I or Mg II-like or Z=59 II or 198Hg I

<p>Level Units: <input type="text" value="eV"/></p> <p>Format output: <input type="text" value="HTML (formatted)"/></p> <p>Display output: <input type="text" value="in its entirety"/></p> <p>Page size: <input type="text" value="15"/></p> <p>Term ordered: <input checked="" type="radio"/> term energy <input type="checkbox"/></p> <p>Energy ordered: <input type="radio"/></p> <p>Level information: <input checked="" type="checkbox"/> Principal configuration <input checked="" type="checkbox"/> Principal term <input checked="" type="checkbox"/> Level <input checked="" type="checkbox"/> Uncertainty <input checked="" type="checkbox"/> J <input type="checkbox"/> g <input checked="" type="checkbox"/> Landé-g <input checked="" type="checkbox"/> Leading percentages</p> <p>Bibliographic references: <input checked="" type="checkbox"/></p> <p>Level splitting: <input type="checkbox"/></p> <p>T_0 (eV): <input type="text"/></p> <p>for partition function: <input type="text"/></p>	<p>Extended Search: <input type="button" value="Set Additional Criteria"/> for all levels searches of this spectrum</p>
<input type="button" value="Default Values"/> <input type="button" value="Retrieve Data"/>	

Can you please provide some [feedback](#) to improve our database?

```
[yuchien1@clogin1 ~]$ history
 1 2019-11-11 17:09:25 ls
 2 2019-11-11 17:09:28 pwd
 3 2019-11-11 17:10:30 less /pkg/README.JOB.SCRIPT.EXAMPLE
 4 2019-11-11 17:12:36 vi gl6_sub.sh
 5 2019-11-11 17:13:06 ls
 6 2019-11-11 17:13:08 vi gl6_sub.sh
 7 2019-11-11 17:13:42 less /pkg/README.JOB.SCRIPT.EXAMPLE
 8 2019-11-11 17:13:45 vi gl6_sub.sh
 9 2019-11-11 17:14:45 get_su_balance
10 2019-11-11 17:14:51 vi gl6_sub.sh
11 2019-11-11 17:15:43 qstat -Q
12 2019-11-11 17:17:14 vi gl6_sub.sh
13 2019-11-11 17:23:13 vi
14 2019-11-11 17:23:19 vi gl6_sub.sh
15 2019-11-11 17:23:27 vi Be0CH33Ar0-_T.com
16 2019-11-11 17:27:14 less /pkg/gaussian/gl6b01/setgl6
17 2019-11-11 17:27:24 pwd
18 2019-11-11 17:27:31 ls /work
19 2019-11-11 17:27:35 ls /
20 2019-11-11 17:27:41 ls /work1
21 2019-11-11 17:28:05 ls /work1/yuchien1/
22 2019-11-11 17:28:10 pwd
23 2019-11-11 17:28:12 df -h
24 2019-11-11 17:29:28 ls
25 2019-11-11 17:29:35 vi .bashrc
26 2019-11-11 17:29:50 less /pkg/gaussian/gl6b01/setgl6
27 2019-11-11 17:29:57 vi .bashrc
28 2019-11-11 17:30:19 less /pkg/gaussian/gl6b01/setgl6
29 2019-11-11 17:30:25 vi .bashrc
30 2019-11-11 17:30:36 source .bashrc
31 2019-11-11 17:30:40 which gl6
32 2019-11-11 17:30:44 ls
33 2019-11-11 17:30:55 ls -al
34 2019-11-11 17:31:31 ls
35 2019-11-11 17:31:35 chmod u+x gl6_sub.sh
36 2019-11-11 17:31:37 ls -l
37 2019-11-11 17:31:48 qsub gl6_sub.sh
38 2019-11-11 17:31:55 vi gl6_sub.sh
39 2019-11-11 17:32:09 qsub gl6_sub.sh
40 2019-11-11 17:32:16 vi gl6_sub.sh
41 2019-11-11 17:33:03 qsub gl6_sub.sh
42 2019-11-11 17:33:31 qstat -u yuchien1
43 2019-11-11 20:45:51 history
[yuchien1@clogin1 ~]$ █
```

NIST Atomic Spectra Database Levels Data

O I 614 Levels Found

Z = 8, O isoelectronic sequence

Data on Landé factors and level compositions are not available for this ion in ASD

Some data for neutral and singly-charged ions are available in the [Handbook of Basic Atomic Spectroscopic Data](#)

Primary data source [Query NIST Bibliographic Database for O I \(new window\)](#)

[Moore 1993](#)

[Literature on O I Energy Levels](#)

Configuration	Term	J	Level (eV)	Uncertainty (eV)	Reference
2s ² 2p ⁴	3P	2	0.0000000		L7288
		1	0.0196224		
		0	0.0281416		
2s ² 2p ⁴	1D	2	1.9673641		
2s ² 2p ⁴	1S	0	4.1897463		
2s ² 2p ³ (4S°)3s	5S°	2	9.1460911		
2s ² 2p ³ (4S°)3s	3S°	1	9.5213637		
2s ² 2p ³ (4S°)3p	5P	1	10.7402250		
		2	10.7404755		
		3	10.7409313		
2s ² 2p ³ (4S°)3p	3P	1	10.9887922		
		2	10.9888615		