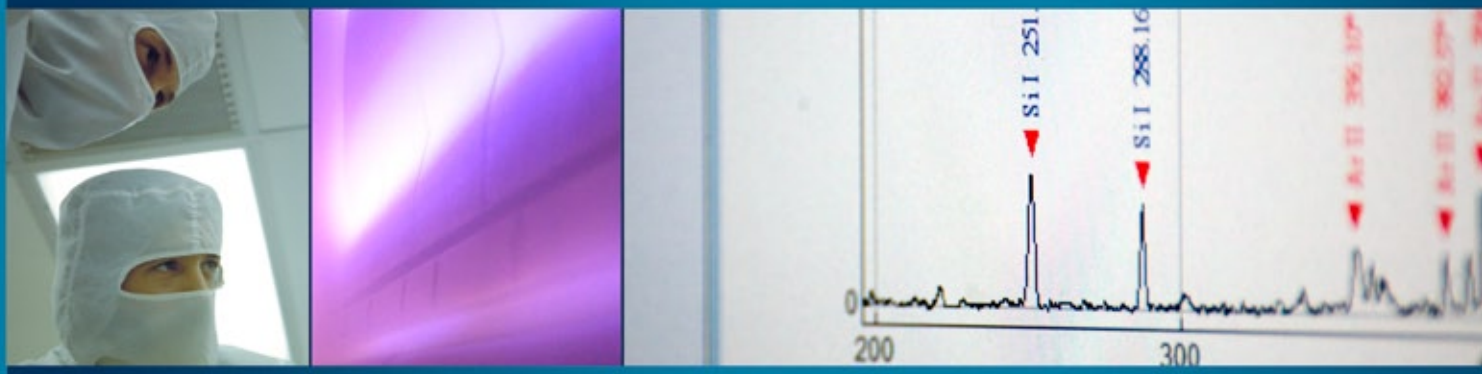
P L A S U S

German high-quality plasma spectroscopy
and software solutions

SPECLINE

SPECTRAL LINE IDENTIFICATION FOR ATOMS AND MOLECULES



PLASUS SPECLINE FEATURES:

- EXTENSIVE DATABASE FOR ATOMS, IONS AND MOLECULES
- IDENTIFICATION AND EVALUATION OF SPECTRAL DATA
- DIRECT DATA IMPORT OF COMMON SPECTROSCOPIC FILE FORMATS

peak finding +++

line identification +++

atoms and molecules +++

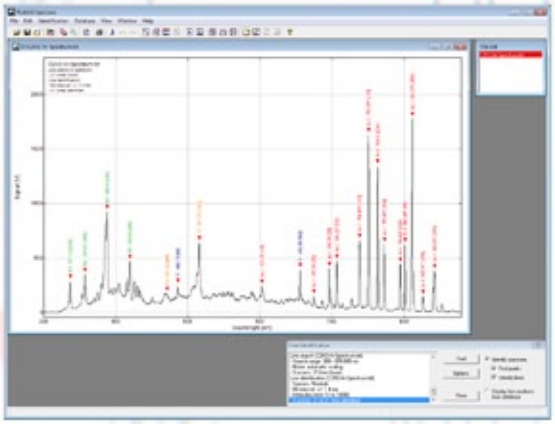
Powerful software tool for analyzing spectral data.
Designed and developed by PLASUS.

WWW.PLASUS.DE

SPECLINE

SPECTRAL LINE IDENTIFICATION FOR ATOMS AND MOLECULES

PLASUS SpecLine is the most powerful software tool for evaluating your spectral data. The unique database for atoms and molecules makes line identification fast and easy. Many evaluation functions will support you in analyzing and comparing your spectra. All common spectroscopic file formats are supported.



Line identification
Identification of atoms, molecules and their ions using the included database.

Automatic peak finding
Search algorithms for peak finding in the spectra.

Comparison of measured data
Several spectra - even with different file formats - can be overlaid and compared.

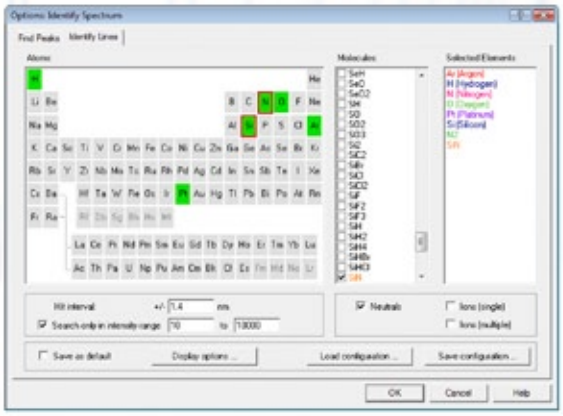
Data evaluation
Data smoothing, integral, scaling, peak value calibration, arithmetic of spectra (+,-, * ,/).

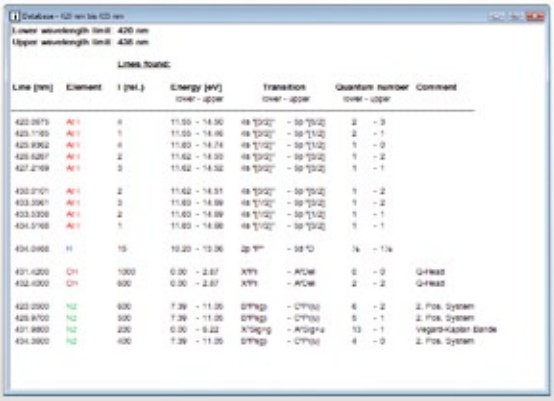
Selection for database search
Periodic table for atoms, molecule list box, neutrals, ions, wavelength and intensity range.

Database versions
A: atoms and ions
AM: atoms, ions and most of two-atomic molecules
AMS: all available atoms, molecules and ions

Configuration files
Saving and loading of search parameters.

SpecLine file format
File format containing spectrum as well as line identification data.





Database information
Wavelength, oscillator strength, designation, transition probabilities, energies and quantum number of upper and lower level.

Data import
Data import formats: ASCII, Binary, EMICON, GRAMS, Ocean Optics, 4SPEC, MAPS, DaVis, WinSpec, AvaSoft, Hamamatsu and more.

Data export
Data export to ASCII, Binary and Excel(CSV) format, graphic export to BMP, WMF and WPG format.

More information and a free trial version are available on our website: www.plasus.de.

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