

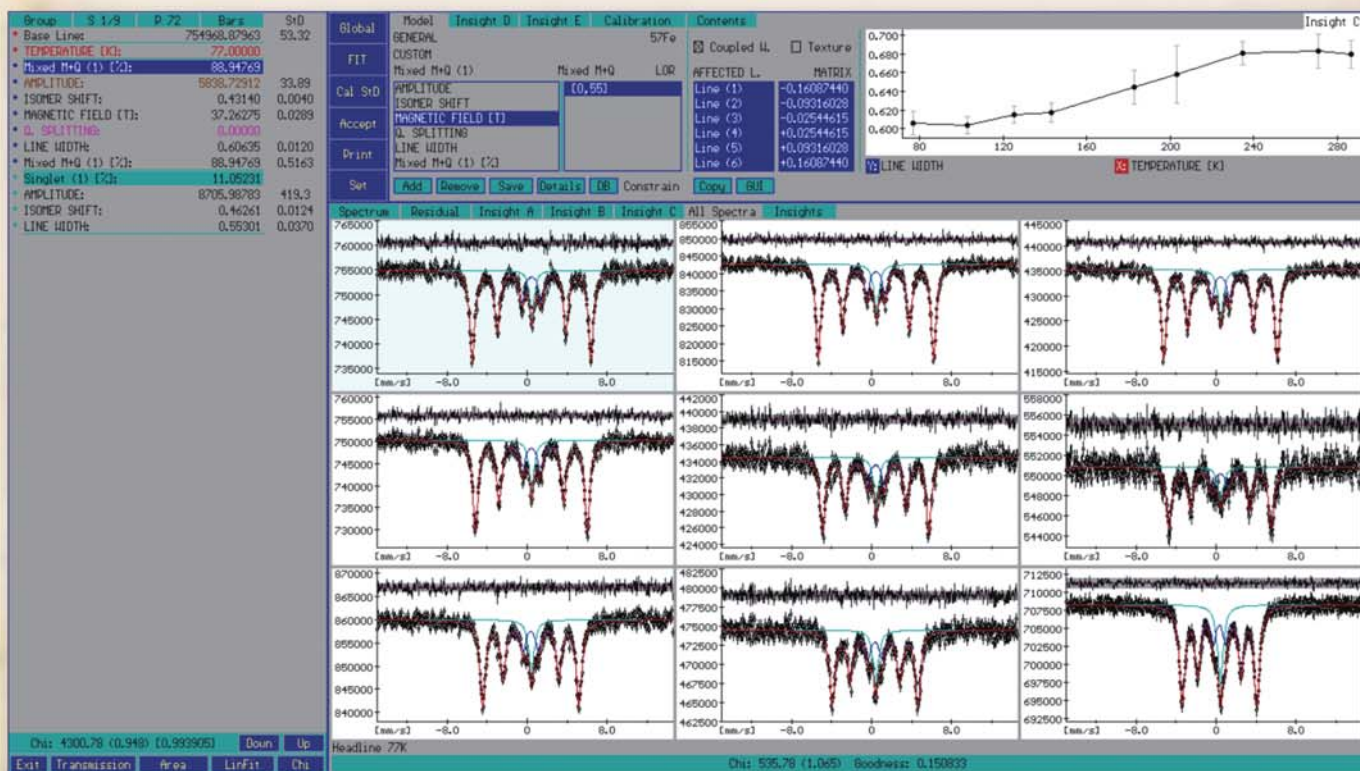
# MossWinn 4.0i

MossWinn 4.0i provides Mössbauer spectroscopists with a uniquely wide range of options, tools and fit models for fitting complex Mössbauer spectra of a high variety of Mössbauer nuclides including  $^{57}\text{Fe}$ ,  $^{119}\text{Sn}$ ,  $^{151}\text{Eu}$ ,  $^{121}\text{Sb}$ ,  $^{125}\text{Te}$ ,  $^{129}\text{I}$ ,  $^{141}\text{Pr}$ ,  $^{237}\text{Np}$ ,  $^{197}\text{Au}$  and  $^{161}\text{Dy}$ . Fit options include

- ☒ multiple sites and multiple distributions,
- ☒ powder, mosaic and single crystal geometries,
- ☒ Lorentzian and Pseudo-Voigt peak shapes,
- ☒ arbitrary-profile discrete distributions,
- ☒ VBF, xVBF, binomial/multinomial distributions,
- ☒ fitting of transmission integral (TI),
- ☒ TI with squared Lorentzian source function,
- ☒ MIDB database-assisted spectrum analysis,
- ☒ simultaneous fitting of up to 32 spectra,
- ☒ Goldanskii-Karyagin effect,
- ☒ Blume-Tjon relaxation for  $^{57}\text{Fe}$ ,
- ☒ electron hopping relaxation for  $^{57}\text{Fe}$ ,
- ☒ paramagnetic hyperfine structure for  $^{57}\text{Fe}$ ,
- ☒ handling of user-written DLL fit functions,
- ☒ combination of TI with distributions,
- ☒ parallel computing on multicore systems.

Visit <http://www.mosswinn.com/english/videotutorials.htm> for examples.

The increased resolution of the graphical user interface of MossWinn 4.0i enabled the implementation of new functions for greater efficiency, insight and control.



<http://www.mosswinn.com>

Just give it a try. And you will see.



## Mössbauer Effect Data Center

is pleased to offer these publications and services to the international Mössbauer community...

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## Mössbauer Effect Reference and Data Journal



The *Journal* reports as thoroughly as possible all published information on Mössbauer spectroscopy. An annual subscription includes ten issues plus an index issue. Each issue includes a Reference Listing, a Data Listing, an Abbreviation Listing, an Isotope Index, a Subject Index, and the *Mössbauer Spectroscopy Newsletter*.

## Mössbauer Web Sites ON THE WORLD WIDE WEB



The Mössbauer Effect Data Center developed and administers two separate Web sites for the Mössbauer community

(<[www.mossbauer.info](http://www.mossbauer.info)> and <[www.medc.dicp.ac.cn](http://www.medc.dicp.ac.cn)>). These sites provide Mössbauer researchers with pertinent and timely information, free of charge. Included on the sites are general information pertinent to the Mössbauer community, news items, regional lab information, position postings, information on upcoming conferences, the most recent *Mössbauer Spectroscopy Newsletter*, IBAME information, an E-Mail and Fax Directory of Mössbauer Authors, links to Mössbauer instrument and source suppliers, and further information regarding the Center's products and services. Access to the MEDC Web-Access Database is also provided through the MEDC site. Researchers may now access and search the MEDC database *from their computers* via the MEDC Web site. The MEDC Database contains both a Reference and a Data file, and includes search, sort, and print functions.

*For further information about these and our many other publications and services for the Mössbauer community, please visit us at our Web site*

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# 18 STEPS TO MAKE A MÖSSBAUER SOURCE



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