



## Workshop on

# Nuclear Structure and Decay Data: Theory and Evaluation

20 February - 3 March 2006

ICTP, Miramare – Trieste, Italy

The Abdus Salam International Centre for Theoretical Physics (ICTP, Trieste, Italy) in cooperation with the International Atomic Energy Agency (IAEA, Vienna, Austria) is organizing a Workshop on “Nuclear Structure and Decay Data: Theory and Evaluation” to be held at the Abdus Salam ICTP in Trieste from 20 February - 3 March 2006.

The Workshop constitutes a unique opportunity for scientists to gain extensive and up-to-date training on the evaluation of nuclear structure and decay data, as developed for the Evaluated Nuclear Structure Data File (ENSDF) and *Nuclear Data Sheets* for the nuclear physics community. Reliable evaluated nuclear structure and decay data are of vital importance in a large number of energy and non-energy based applications such as power generation, materials analysis, dosimetry and medical diagnostics, as well as basic nuclear physics and astrophysics. Important features of these needs are satisfied by the work undertaken by the International Nuclear Structure and Decay Data (NSDD) Evaluators’ Network. The main products of this worldwide network are the recommended data files and evaluated decay data.

Scientists from all countries that are members of the United Nations, UNESCO or IAEA may attend the Workshop. They should hold an advanced degree in nuclear physics, nuclear engineering or related subjects, and preferably possess several years’ professional experience in nuclear physics (related to nuclear structure and decay data). Students will also be given the opportunity to give a short presentation of their own technical work at the Workshop. Although the main purpose of ICTP is to help scientists from developing nations through a programme of training activities within a framework of international cooperation, applicants from developed countries are also welcome to attend. As this activity will be conducted in English, participants must have an adequate working knowledge of this language.

As a rule, travel and subsistence expenses for participants should be borne by their home institutions. However, limited funds will be available to support **some** participants from developing countries. Such financial support will be available only to those who attend the entire activity. Thus, every effort should be made by candidates to secure support for their fare from their home countries. No registration fee is associated with attendance at the Workshop.

Application forms for the Workshop can be found on the Web server of ICTP at:  
[http://cdsagenda5.ictp.trieste.it/full\\_display.php?smr=0&ida=a05193](http://cdsagenda5.ictp.trieste.it/full_display.php?smr=0&ida=a05193)

Background information on the IAEA Nuclear Data Section is available from: <http://www-nds.iaea.org/>

**The closing date for receipt of applications for participation is 28 September 2005.**

Those wishing to participate should fully complete and sign the “Request for Participation” form, available from the ICTP WWW server, and send it by mail or FAX to:

**Nuclear Structure and Decay Data:  
Theory and Evaluation**  
(c/o Elizabeth Brancaccio)  
the Abdus Salam International Centre for Theoretical Physics  
Strada Costiera 11  
34014 Trieste, Italy

*If sending an application by e-mail: [smr1741@ictp.it](mailto:smr1741@ictp.it)  
(please save and send file attachments in PDF or RTF format)*

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*in cooperation with*

International Atomic Energy Agency

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(ICTP, Trieste)*

**Application deadline**

**28 September 2005**