



The Abdus Salam
International Centre for Theoretical Physics



Joint ICTP-IAEA Workshop on Nuclear Structure Decay Data: Theory and Evaluation

6 - 17 August 2012

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 ICTP in Trieste from 6 - 17 August 2012.

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 to produce the Evaluated Nuclear Structure Data File (ENSDF) and *Nuclear Data Sheets* for use and adoption by 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 Network of Nuclear Structure and Decay Data (NSDD) Evaluators. The main products of this worldwide network are the recommended data files and evaluated decay data.

Participation:

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 or related subjects, and preferably possess several years of 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. As it will be conducted in English, participants should have an adequate working knowledge of this language.

Background information on the IAEA Nuclear Data Section is available from: <http://www-nds.iaea.org/> Although the main purpose of the Centre is to help research workers from developing countries, through a programme of training activities within a framework of international cooperation, a limited number of students and post-doctoral scientists from developed countries are also welcome to attend. As a rule, travel and subsistence expenses of the participants should be borne by the home institution. Every effort should be made by candidates to secure support for their fare (or at least half-fare). However, limited funds are available for some participants, who are nationals of, and working in, a developing country. Such support is available only for those who attend the entire activity. There is no registration fee.

How to Apply:

The "On-line Application" form can be accessed at the **ICTP activity website:**

http://cdsagenda5.ictp.trieste.it/full_display.php?ida=a11181

Once in the website, comprehensive instructions will guide you step-by-step, on how to fill out and submit the application form.

Activity Secretariat

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in cooperation with
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Deadline

15 March, 2012

ICTP Home page:
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