



The Abdus Salam

**International Centre
for Theoretical Physics**

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**Joint ICTP-IAEA Workshop on
"Nuclear Structure and Decay Data:
Experiment, Theory and Evaluation"
August 22 - September 2, 2016
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 organising the Joint ICTP-IAEA Workshop on "Nuclear Structure and Decay Data: Experiment, Theory and Evaluation", to take place from August 22 - September 2, 2016.

The aim of this workshop is to introduce both young and established nuclear scientists to the evaluation of nuclear structure and decay data, by providing them with basic training in the evaluation methodologies, procedures and formats that are involved in the assembly and maintenance of the Evaluated Nuclear Structure Data File (ENSDF).

Reliable evaluated nuclear structure and decay data are of vital importance for basic nuclear physics and astrophysics, as well as for nuclear applications such as power generation, material analysis, dosimetry and medical diagnostics. These important data requirements are catered by the international network of Nuclear Structure and Decay Data (NSDD) Evaluators, created in 1974 and coordinated by the IAEA. The main output of this network is the recommended ENSDF database and evaluations published in Nuclear Data Sheets.

This workshop belongs to a series of well-defined ICTP workshops that have been crucial for attracting young nuclear scientists to nuclear structure and decay data evaluation and for providing them with the basic tools to pursue this activity.

The main topics of the workshop include:

- modern nuclear experimental techniques & facilities;
- modern nuclear structure models;
- nuclear structure and decay data: compilations and evaluations;
- evaluation methodologies for nuclear structure and decay data;
- analysis and utility codes;
- ENSDF editors and Web tools;
- databases and online retrieval software.

Call For Papers

A poster session will be held during the workshop for participants to display their work related to nuclear structure and decay data. Please upload a **one-page abstract directly to the on-line application**. (upload file attachments in .pdf)

PARTICIPATION:

The Workshop is open and intended for scientists and engineers from all countries that are members of the UN, UNESCO or IAEA. They should hold at least a Master's Degree (M. Sc.) in Nuclear Physics, and possess a few years of professional experience in nuclear physics related to nuclear structure and decay data. As the activity will be conducted in English, participants should have an adequate working knowledge of this language.

The main purpose of the Abdus Salam ICTP is to help researchers from developing countries through a program based on international co-operation. However, applicants from developed countries are also welcome to attend. Travel and subsistence expenses of the participants should be borne by the home institution. Limited funds covering travel, accommodation and meals are available for some participants who are nationals of, and working in, developing countries. As a rule these funds are granted only to those attending the entire activity. **Registration is free-of-charge for all participants.**

APPLICATION:

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

<https://e-applications.ictp.it/applicant/login/2859>

inclusive of a *step-by-step instruction guide*.

(Please save and upload file attachments in either of these formats: RTF, .doc or .pdf)

ACTIVITY SECRETARIAT:

Secretary, Lisa Iannitti

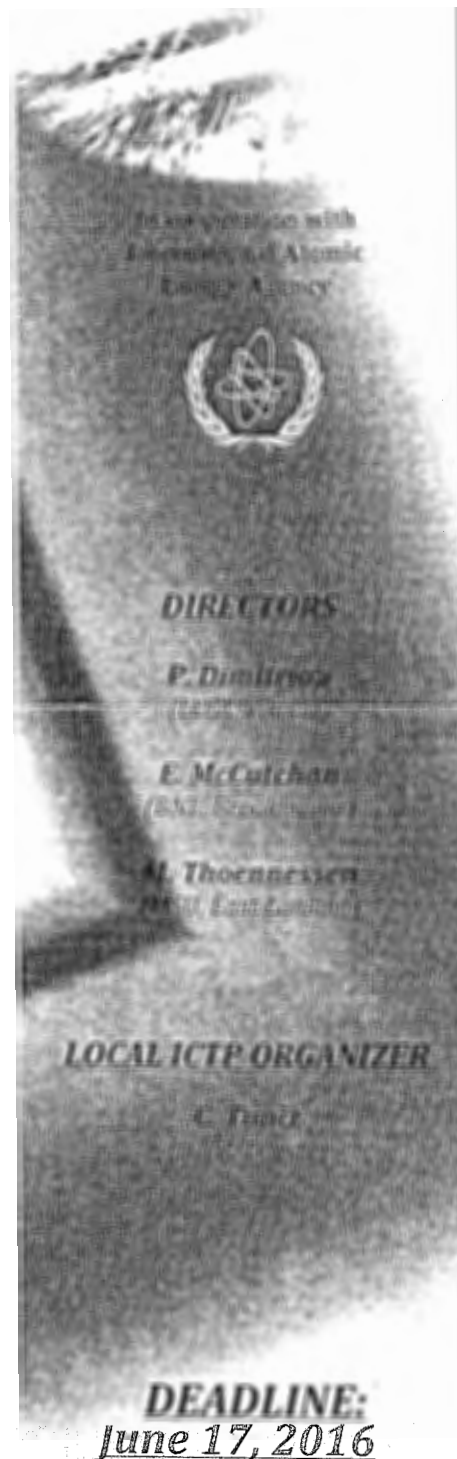
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