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

15 - 26 October 2018
Trieste, Italy

Further information:
http://indico.ictp.it/event/8338/
smr3242@ictp.it

The workshop introduces young and established nuclear scientists to the evaluation of nuclear structure and decay data, by providing an overview of experimental and theoretical nuclear techniques and basic training in the evaluation procedures and formats involved in the production of the Evaluated Nuclear Structure Data File (ENSDF).

Description:

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 ICTP workshops that started in 2003 and has 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.

Topics:

- nuclear experimental techniques & facilities;
- nuclear structure models;
- XUNDL compilations;
- ENSDF evaluation methodologies, procedures and formats;
- analysis and utility codes;
- ENSDF editors and Web tools;
- databases and online retrieval software.

Call for Papers:

A session will be held during the workshop for participants to present 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)

Directors:

P. DIMITRIOU (Nuclear Data Section/NAPC, IAEA)
E. A. McCUTCHAN (Brookhaven National Laboratory, USA)

Local Organizer:

C. TUNIZ (ICTP)

Speakers:

P. ISACKER (GANIL, France)
S. LENZI (Univ. Padova-INFN, Italy)
A. MACCHIAVELI (LBNL, USA)
T. KIBEDI (ANU, Australia)
F. KONDEV (ANL, USA)
S. BASUNIA (LBNL, USA)
M. MARTIN (ORNL, USA)
B. SINGH (McMaster Univ., Canada)
M. VERPELLI (Nuclear Data Section/NAPC, IAEA)
V. ZERKIN (Nuclear Data Section/NAPC, IAEA)

How to apply:

Online application:
http://indico.ictp.it/event/8338/

Female scientists are encouraged to apply.

Grants:

A limited number of grants are available to support the attendance of selected participants, with priority given to participants from developing countries. There is no registration fee.

Applicants should hold at least a Master's Degree (M.Sc.) in Nuclear Physics, and possess a few years of professional experience related to nuclear structure and decay data.

Deadline:

30 June 2018

The Abdus Salam
International Centre
for Theoretical Physics
www.ictp.it
Trieste, Italy