

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



**3 - 14 October 2022**  
**Trieste, Italy**

Further information:  
<http://indico.ictp.it/event/9830/>  
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The workshop offers an introduction to evaluated nuclear structure and decay data, by providing an overview of experimental and theoretical nuclear techniques and basic hands-on training in the evaluation procedures employed to produce the Evaluated Nuclear Structure Data File (ENSDF).

## Directors:

P. DIMITRIOU, IAEA, Austria  
E.A. McCUTCHAN, Brookhaven National Laboratory, USA

## Description:

Reliable evaluated nuclear structure and decay data are of vital importance for basic nuclear physics and astrophysics, as well as for applications in the fields of energy, cultural heritage, environment, human health and space exploration. The worldwide requirements for nuclear structure and decay data are catered by the international network of Nuclear Structure and Decay Data (NSDD) Evaluators, an international group of evaluators created in 1974 under the auspices of the IAEA. The main output of this network is the online ENSDF database and publications in Nuclear Data Sheets.

This workshop belongs to a series of ICTP workshops that started in 2003. It has been instrumental in attracting young nuclear scientists to nuclear structure and decay data evaluation and providing them with the basic tools to pursue this activity.

## Topics:

- Nuclear experimental techniques
- Nuclear structure theory
- XUNDL compilation
- ENSDF evaluation methodology, procedures and formats
- Analysis and utility codes
- Editors and Web tools
- Databases and online retrieval software

## Call for Papers:

A session will be held for participants to present their own research related to nuclear structure and decay data.

## Local Organiser:

R. KAISER, ICTP, Italy

## How to apply:

Online application:  
<http://indico.ictp.it/event/9830/>

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.

## Deadline:

**15 August 2022**

