



The Abdus Salam
International Centre
for Theoretical Physics



ICTP/Joint ICTP-IAEA Workshop on Nuclear Reaction Data: Experiment and Compilation

DESCRIPTION:

This workshop offers an opportunity to overview nuclear reaction data measurements, compilation, evaluation and applications, gain practical experience with nuclear reaction databases, and become familiar with the compilation process for addition of newly measured data to the EXFOR library.

MORE DETAILS:

This is the first Joint ICTP-IAEA workshop covering the nuclear reaction data flow from experiments to application including compilation and evaluation. The participants will be guided through EXFOR retrieval tools and will be involved in compilation of data measured in their institutes, countries or geographical regions for addition to the EXFOR library. The EXFOR library is a unique collection of nuclear reaction data (e.g., cross sections) measured in the world for neutron, charged particle and photon beams. The international collaboration on EXFOR development started in 1970 and accumulated data from more than 25k experiments. EXFOR offers free and sustainable open access to the data and it makes the data more citable. Participants are expected to bring articles reporting data measured in their geographical areas but missing in EXFOR.

TOPICS:

- Time-of-flight measurement
- Activation measurement
- Fission yield measurement
- Resonance analysis and reaction modelling
- Uncertainty and covariance
- Energy, medical and nuclear astrophysics applications
- EXFOR retrieval and compilation

SPEAKERS:

O. Cabellos, Universidad Politécnica de Madrid, Spain
A. Georgiadou, NEA, France
G. Gkatis, EC-JRC, Belgium
F. Gunsing, CEA Saclay, France
M. Herman, LANL, USA (formerly)
A. Mengoni, INFN Bologna, Italy
N. Otsuka, IAEA, Austria
C. Paradela, EC-JRC, Belgium
S. M. Qaim, FZJ, Germany
P. Schillebeeckx, SCK/CEN and EC-JRC, Belgium
O. Serot, CEA Cadarache, France
S. Takacs, ATOMKI, Hungary



2 - 6 November 2026



Trieste, Italy



**Deadline:
30 June 2026**

DIRECTORS:

Naohiko Otsuka, International Atomic Energy Agency, Austria
Oscar Cabellos, Universidad Politécnica de Madrid, Spain

LOCAL ORGANISER:

Natasa Stojic, ICTP, Italy

FURTHER INFORMATION:

E-mail: smr4244@ictp.it



Web: <https://indico.ictp.it/event/11170>

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.

