



Compound-Nuclear Reactions and Related Topics (CNR*24)

8 – 12 July 2024, International Atomic Energy Agency, Vienna, Austria

Announcement – 1st Circular

The 7th International Workshop on Compound-Nuclear Reactions and Related Topics will be held from 8 to 12 July 2024 at the International Atomic Energy Agency, Vienna, Austria.

Following in the footsteps of previous workshops held in Yosemite National Park (2007), Bordeaux (2009), Prague (2011), Sao Paulo (2013), Tokyo (2015) and Berkeley (2018), the meeting will bring together scientists from the fields of nuclear theory, experiment, nuclear astrophysics, data evaluation, and other applications. The aim is to provide a forum to review the status of experimental and theoretical efforts in compound-nuclear reactions and related areas, discuss new developments and needs for improvement, and how they can be implemented in applications through the nuclear data process.

The event will comprise a series of invited keynote talks, oral contributions, and poster presentations. The primary goal is to create a platform for the exchange of knowledge and techniques, foster collaboration and share potential opportunities.

Topics

- Nuclear reaction mechanisms (direct, compound, pre-equilibrium, other)
- Nuclear fission
- Statistical Hauser-Feshbach theory
- Surrogate methods
- Optical model
- Level densities and photon strength functions
- R-matrix theory
- Nuclear structure for nuclear reactions
- Measurements relevant to compound-nuclear reactions (direct and indirect)
- Nuclear data evaluation and dissemination
- Applications in nuclear astrophysics, energy, waste management, nonproliferation, medical physics, other.
- Experimental facilities



Scientific programme

The scientific programme will comprise invited keynote talks recommended by members of the International Advisory Committee. Oral and poster presentations will be selected from the abstracts submitted online through the event INDICO website. The call for abstract submission will be open from 1 December 2023 until 24 February 2024.

International Advisory Committee

Y. Alhassid (Yale U)	T. Kawano (LANL)
C. Brune (Ohio U)	A. Koning (IAEA)
B. Carlson (ITA)	M. Krticka (Charles U)
S. Chiba (Tokyo Tech)	H. Leeb (TUW)
M. Dupuis (CEA Bruyères)	F. Minato (Kyushu U)
J. Escher (LLNL)	G. Perdikakis (CMU)
S. Goriely (ULB)	S. Perú (CEA Bruyères)
F. Gunsing (Saclay)	A. Plompen (JRC-Geel)
M. Herman (LANL)	J.M. Quesada (U Seville)
O. Iwamoto (JAEA)	S. Siem (U Oslo)
B. Jurado (CENBG)	A. Zilges (U Cologne)

Venue

The event will be held at the Vienna International Centre (VIC) in Vienna, Austria, where the IAEA Headquarters are located.

Registration and participation

All persons wishing to participate in the event must be designated by an IAEA Member State or should be a member of an organization that has been invited to attend. The procedure for getting designated by an IAEA Member State is outlined below.



Registration through the InTouch+ platform:

Access the InTouch+ platform (<https://intouchplus.iaea.org>):

Persons with an existing NUCLEUS account can [sign in here](#) with their username and password.

Persons without an existing NUCLEUS account can [register here](#).

Once signed in, prospective participants can use the InTouch+ platform to:

- Complete or update their personal details under 'Basic Profile' (if no financial support is requested) or under 'Complete Profile' (if financial support is requested) and upload the relevant supporting documents;
- Search for the relevant event (**EVT2303700**) under the 'My Eligible Events' tab;
- Select the Member State or invited organization they want to represent from the drop-down menu entitled 'Designating authority' (if an invited organization is not listed, please contact Conference.Contact-Point@iaea.org);
- If applicable, indicate whether a paper is being submitted and complete the relevant information;
- If applicable, indicate whether financial support is requested and complete the relevant information (this is not applicable to participants from invited organizations);
- Based on the data input, the InTouch+ platform will automatically generate Participation Form (Form A), Form for Submission of a Paper (Form B) and/or Grant Application Form (Form C);
- Submit their application.

Once submitted through the InTouch+ platform, the application together with the auto-generated form(s) will be transmitted automatically to the required authority for approval. If approved, the application together with the form(s) will automatically be sent to the IAEA through the online platform.

NOTE: Should prospective participants wish to submit a paper or request financial support, the respective forms (Forms B and C) need to be submitted together with the submission of the application (Form A), **by 29 February 2023**.

For additional information on how to apply for an event, please refer to the [InTouch+ Help](#) page. Any other issues or queries related to InTouch+ can be sent to InTouchPlus.Contact-Point@iaea.org.

If it is not possible to submit the application through the InTouch+ platform, prospective participants are requested to contact the event organisers: Paraskevi Dimitriou, P.Dimitriou@iaea.org or Kira Nathani, K.Nathani@iaea.org

Participants are hereby informed that the personal data they submit will be processed in line with the [Agency's Personal Data and Privacy Policy](#) and is collected solely for the purpose(s) of reviewing and assessing the application and to complete logistical arrangements where required. Further information can be found in the [Data Processing Notice](#) concerning IAEA InTouch+ platform.



Papers and Presentations

Participants who wish to give presentations are requested to submit an abstract of their work through the event INDICO website not later than **29 February 2024**. The abstract should be in A4 page format, should extend to no more than one page (including figures and tables) and should not exceed 500 words. Authors will be notified of the acceptance of their proposed presentations by 31 March 2024.

In addition, participants must submit the Form for Submission of a Paper (Form B) in addition to the Participation Form (Form A) through the InTouch+ platform as indicated above not later than 29 February 2024.

Expenditures and Grants

No registration fee is charged to participants.

The IAEA is generally not able to bear the travel and other costs of participants in the event. The IAEA has, however, limited funds at its disposal to help meet the cost of attendance of certain participants. Upon specific request, such assistance may be offered according to the IAEA regulations.

Practical information

Participants must make their own travel and accommodation arrangements.

Information about the venue (Vienna International Center), the city of Vienna, accommodation and travel is provided on the event INDICO website.

Key Deadlines and Dates

1 December - 29 February 2024	Deadline for submission of abstracts through IAEA-INDICO for regular contributions
1 December - 29 February 2024	Deadline for submission of Participation Form (Form A), Form for Submission of a Paper (Form B) and Grant Application Form (Form C) (if applicable) through InTouch+ platform
31 March 2024	Notification of acceptance of abstracts and of grants
30 June 2024	Deadline for uploading slides on INDICO
8 July 2024	Event begins
12 July 2024	Event ends



Accommodation

A list of hotels offering a reduced rate for IAEA event participants is provided on the event website.

Visas

Participants who require a visa to enter Austria should submit the necessary application to the nearest diplomatic or consular representative of Austria at least four weeks before they travel to Austria. Since Austria is a Schengen State, persons requiring a visa will have to apply for a Schengen visa. In States where Austria has no diplomatic mission, visas can be obtained from the consular authority of a Schengen Partner State representing Austria in the country in question.

More practical information on the venue and travel to Vienna is available on the event website.

Organisation

The event is organised by the Nuclear Data Section of the International Atomic Energy Agency.

Local Organising Committee

Paraskevi (Vivian) Dimitriou (IAEA)

Roberto Capote Noy (IAEA)

Georg Schnabel (IAEA)

For more information about the event check the event website:

<https://conferences.iaea.org/event/368/>

All queries should be addressed to:

Paraskevi (Vivian) Dimitriou, p.dimitriou@iaea.org

We look forward to seeing you in Vienna for a stimulating and fruitful event.

The Organisers