



NUSYM24 – XIIth International Symposium on Nuclear Symmetry Energy
September 09-13, Caen – France

3rd announcement

Dear colleagues,

We would like to remind you that the **XIIth International Symposium on Nuclear Symmetry Energy (NuSYM24)** will be held during September 9-13 in Caen (France) organized by GANIL.

The purpose of NuSYM24 consists of discussing advances in experimental and theoretical studies of the nuclear equation of state of asymmetric nuclear matter and relevant advances in astrophysics. An important role of the symposium is to unify efforts of the nuclear physics and astrophysics communities in addressing common research challenges.

The program will cover the current state of research and expected development trends in various centers and facilities in the world. The symposium, while providing a convenient space and time for discussions of burning problems and future directions, will also offer opportunities to build collaborations to advance in inter-related research fields.

Topics of the NuSym24 conference:

- Nuclear equation-of-state (EoS) and symmetry energy in laboratory experiments, in astrophysical observations, and microscopic theories.
- Nuclear structure and direct reactions.
- Heavy-ion collision experiments.
- Transport model simulations of heavy-ion reactions.
- Microscopic calculations of neutron-rich dense nuclear matter.
- Isospin dependence of nuclear effective interactions.
- Clustering in isospin-asymmetric nuclear systems.
- Astrophysical multi-messenger observations.
- Theory of compact stars and neutron star mergers.
- Supernova theory for neutrino emission and nucleosynthesis.
- Investigations at existing and future accelerator facilities.
- Detector developments.

The scientific sessions will consist of invited talks and contributed presentations among the submitted abstracts.

Invited speakers : <https://indico.in2p3.fr/event/31700/page/3901-invited-speakers>

Excursion and social dinner

The conference registration fee will be 290€, including coffee breaks, lunches and social dinner. There will be no fee for undergraduate students and PhD students and a charge of **100€** for accompanying person.

An excursion and a visit of the beautiful town of **Honfleur** are scheduled on Wednesday September 11, 2024 (afternoon).

The social dinner will be held at Le bistrot du port in Honfleur after the excursion.

To pay by credit card, please follow the link below :

<https://sogecommerce.societegenerale.eu/vads-site/GANIL>

Instructions for speakers

The conference will consist of invited oral presentations and contributed (selected from the submitted abstracts) oral presentations.

The time allocated for invited talks is 30 minutes (25' + 5' questions).

The time allocated for oral contributions is 20 minutes (15' + 5' questions). Contributions introducing posters (last session of Tuesday afternoon) are allocated 10 minutes or 5 minutes (without questions), see program.

Speakers are kindly asked to upload their presentation (we recommend to use the PDF format for your presentation) on the indico website the day before their talk. It will not be possible to connect your personal laptop to the conference hall projector. There will be a Windows computer in the conference room

Practical information

NuSYM24 will take place at GANIL located in Caen, Normandy, France.

The Symposium will start on the morning of Monday, September 9th and end on Friday September 13th.

A round table will be organized on Friday afternoon.

Transport models satellite workshop will take place on Friday afternoon and Saturday.

Important dates

Abstract submission deadline

June 30th, 2024

Notification of abstract acceptance

July 26th, 2024

Registration deadline

August 22th, 2024

NuSym23 scientific sessions

September 9-13st, 2024

Transport models satellite workshop

September 13 afternoon&14th, 2024

Accommodation and travel

Information on lodging and travel is available on our website.

Contact

We would appreciate if you could bring this Symposium to the attention of your colleagues. Participation of young researchers is strongly encouraged.

You can contact us at the following address: nusym24@ganil.fr

Please do not hesitate to contact us if you need an invitation letter for visa application.

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