



NuSym22, X International Symposium on Nuclear Symmetry Energy Catania (Italy), September 26-30, 2022

Second circular

The 10th International Symposium on Nuclear Symmetry Energy (NuSym22) will be held in Catania (Italy) on September 26-30, 2022. The event is organized and supported by INFN, Sezione di Catania and Laboratori Nazionali del Sud, and by the Physics and Astronomy Department “E. Majorana” of the University of Catania.

The symposium will address investigations of the equation of state of nuclear matter with nuclear structure and heavy-ion collision studies, as well as astrophysical observations of compact stars. Implications on gravitational wave signals, soft X-rays, astroparticle physics and neutrino observations will be discussed.

Web site and Registration

The web site of the conference can be found at <https://agenda.infn.it/event/21920/>. Registration is open and contributions for oral/poster presentations can be submitted on the web site. The registration fee amounts to 300 Euros (reduced to 150 Euros for students and early-stage postdoc fellows) and will cover coffee breaks, lunches and the social dinner.

Scientific Organization

This edition will consist of invited talks and contributed oral presentations selected by the International Advisory Committee and by the Local Organizing Committee among the submitted abstracts. The participation by young researchers, postdocs and students is strongly encouraged.

The scientific program will consist of the following topical sessions:

- Symmetry energy constraints from nuclear structure studies
- Symmetry energy constraints from astrophysics and many-body calculations
- Theoretical developments and new analysis techniques
- Symmetry energy constraints from heavy-ion collisions at intermediate and relativistic energies
- Interfaces between neutrino studies and the nuclear equation of state
- New directions

The scientific sessions will be held during the first four days of the conference, namely September 26-29. The last day, September 30, will be devoted to a satellite workshop on transport models, organized by the

TMEP (Transport Model Evaluation Project) collaboration, in the tradition of previously organized NuSym editions. Further details about this satellite meeting will be available on the web site.

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Venue of the symposium

The meeting will be held at the Physics and Astronomy Department “E. Majorana”, located inside the campus “Cittadella Universitaria” of the University of Catania (address: Via Santa Sofia 64, Catania). The venue can be easily reached by public transportation, as it is described on the web site of the conference (<https://agenda.infn.it/event/21920/page/5385-travel-information>). The airport of Catania can be easily reached by flight transportation with both major and low-cost airlines which provide connections to the major Italian and international airports.

Important dates

Abstract submission deadline	July 25, 2022
Registration deadline	September 4, 2022
Notification of abstract acceptance	August 1 st , 2022
NuSym22 scientific sessions	September 26-29, 2022
Transport models satellite workshop	September 30, 2022

Official contacts

For any information, please send an email to the address: nusym2022@ct.infn.it

We would very much appreciate if you could forward this message to those who might be interested in the conference.

We look forward to meeting you in Catania!