

Nuclear Physics in Astrophysics - X

5–9 Sep 2022
CERN
Europe/Zurich timezone

Every two years the Nuclear Physics in Astrophysics (NPA) conference brings together researchers from a multi-disciplinary community of experimental and theoretical nuclear physicists, astronomers, astrophysicists and cosmo-chemists to discuss the current challenges of these exciting and fast developing research fields.

The 10th edition of the international conference Nuclear Physics in Astrophysics will be held at [CERN](#), Geneva, Switzerland, on **5-9 September 2022**. The gathering, originally planned for 2021, has been postponed to 2022 due to the breakout of the COVID-19 pandemic. Because of that, it will be possible to attend NPA-X online as well as joining us in person.

The conference series is supported by the [Nuclear Physics Division](#) of the [European Physical Society](#) and this Conference by the Nuclear Physics European Collaboration Committee ([NuPECC](#)). Former conferences of this series were held in Frankfurt (2019), Catania (2017), York (2015), Lisbon (2013), Eilat (2011), Frascati (2009), Dresden (2007), and Debrecen (2005, 2002).

NPA-X is jointly organized by the [n_TOF](#) and [ISOLDE](#) Collaborations at CERN. These two large International Collaborations are involved in studies in nuclear astrophysics at two internationally-leading facilities:

- The n_TOF neutron facility pursues neutron measurements of interest for s- and r-process nucleosynthesis, Big Bang nucleosynthesis, and other reaction networks.
- The ISOLDE radioactive ion beam facility is used to study the structure and reactions of exotic nuclei, with many projects of interest for explosive nucleosynthesis and other areas.

Details about the conference venue, accommodation and other logistic information will be given in the forthcoming circulars and on the constantly updated website:

<https://indico.cern.ch/e/npax>

Abstract submission for contributions will open on 10 January 2022 and will remain open till 31 March 2022. Details are given on the website.

In the spirit and tradition of former editions of NPA conferences, we will have no parallel sessions. Each talk is a plenary talk! The program will consist of about 20 invited and 40 contributed talks. The selection will be based on the recommendations of the International Advisory Board (IAB) and the submitted abstracts.

The members of the IAB are:

Marialuisa Aliotta, Edinburgh, UK
Maurizio Busso, Perugia, Italy
Nicola Colonna, Bari, Italy
Iris Dillman, Triumph, Canada
Zsolt Fulop, Debrecen, Hungary
Fairouz Hammache, Orsay, France
Maria Lugaro, Budapest, Hungary
Michael Paul, Jerusalem, Israel
Rene Reifarh, Frankfurt, Germany
Friedrich-Karl Thielemann, Basel, Switzerland
Anton Wallner, Dresden, Germany
Michael Wiescher, Notre Dame, USA

The conference will be preceded by a postgraduate school and followed by satellite workshops. Further information and any additional organizational details, such as the participation fees, proceedings and registration deadlines, will be provided in the second circular.

Please forward this announcement to everybody who may be interested in the conference.

We are looking forward to meet you at the Nuclear Physics in Astrophysics – X
in September 2022!

The Local Organizing Committee

Enrico Chiaveri, CERN, Geneva, CH
Sergio Cristallo, INAF Abruzzo, Italy
César Domingo Pardo, CSIC-University of Valencia, Spain
Sean Freeman, CERN, Geneva, CH, **Co-Chair**
Karl Johnston, CERN, Geneva, CH
Claudia Lederer-Woods, University of Edinburgh, UK
Alberto Mengoni, ENEA Bologna and INFN, Sezione di Bologna, Italy, **Chair**
Giuseppe Tagliente, INFN, Bari, Italy