



## XV International Symposium on Nuclei in the Cosmos

**Laboratori Nazionali del Gran Sasso, L'Aquila - Assergi, Italy**  
**June 24 - 29, 2018**  
**<http://nic2018.lngs.infn.it>**  
**[nic2018@lngs.infn.it](mailto:nic2018@lngs.infn.it)**

### Final Circular

#### **Venue**

The conference will be held at Laboratori Nazionali del Gran Sasso of INFN, Assergi, L'Aquila. The Gran Sasso National Laboratory (LNGS) is one of the four INFN National laboratories. It hosts experiments from the fields of Astroparticle Physics, Nuclear Astrophysics and other disciplines which require a low background environment. In particular the LUNA facility represents the first underground accelerator worldwide.

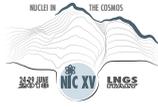
#### **Scientific program**

The conference is the fifteenth in the Nuclei in the Cosmos (NIC) biennial series. The focus of the NIC XV conference will be the cross-fertilization of nuclear physics research with astrophysical topics. The conference aims to address the current major achievements in nuclear physics, astrophysics, astronomy, cosmo-chemistry and neutrino physics that provide the necessary framework for any microscopic understanding of astrophysical processes, as well as for discussing the future directions and perspectives in the various fields of Nuclear Astrophysics research.

The scientific programme will open on Monday June 25th at 9:30 and will close on Friday June 29th at noon.

The conference program is available on the website <http://nic2018.lngs.infn.it/index.php/program/#timetable>

All invited talks will be 30 minutes long including 5 minutes of discussion. All contributed talks will be 15 minutes long including 3 minutes of discussion. A computer and projector will be available for presentations. The presentation must be handed to the organizers on USB pen to be copied to the laptop of the Fermi Auditorium well before the session starts. Speakers should check the computer presentations on the conference laptop before each session.



Poster orientation must be portrait (=vertical) and the allowed poster size is A0.

Posters will be exposed during the whole duration of the conference. Authors are asked to place their posters in the afternoon of Monday, 25. Each presenter will receive an identification poster number at registration desk.

The dedicated poster session is on Tuesday June 26th from 19:00 until 20:30.

## **Registration**

The Registration will be possible on Sunday, June 24 from 16:00 to 20:00. During this time appetizer and a light dinner will be arranged at conference venue.

We encourage all participants who come to LNGS by their own means of transportation to pass by LNGS for registration on Sunday afternoon.

On Monday, June 25 registration will be possible from 8:15 to 9:30, and during the coffee break from 11:15 to 11:45.

## **Travel information**

Shuttle buses have been arranged for all participants who requested transportation from Rome airports to L'Aquila on June 24. Participants who asked for transportation but did not get feedback should get in touch with the organizers immediately.

During the conference, we encourage the use of the conference shuttle buses to reach the conference venue from the hotels.

Daily shuttle buses can be used also by participants and accompanying persons who did not pre-register for this service. Please, refer to the following link for the detailed schedule: <https://gsbox.lngs.infn.it/s/ZBYRgQqSVUqwBzL>

The shuttle buses will bring back participants to hotels at the end of the day.

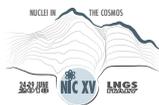
Buses from LNGS to Rome airports at the end of the conference are arranged for June 29, only. In case you are interested, please provide your travel details to the conference desk by Wednesday, June 27.

## **Events**

Welcome party will take place on Monday, June 25 at 19:00 at conference venue.

During the NIC conference visits to LNGS underground laboratory will be offered to participants and accompanying persons who booked this service during the registration for NIC XV.

Underground tours will take place on Monday, June 25 at 16:45, on Tuesday, June 26 at 17:30 and 19:00, on Thursday, June 28 at 16.45. Please, note that the number of places for visits are limited. So please, make sure to sign up for the tour at dedicated desk upon arrival



on Monday, June 25.

Half day excursions of participants and accompanying persons will be organized in the be afternoon of Wednesday, June 27. Excursions will start from LNGS at 14:30. After the excursions buses will bring you back to your hotels and to LNGS.

You can choose among five alternative tours:

1. Easy hike on Campo Imperatore, the "Little Tibet" of Italy (shoes and pullover required);
2. Guided tour to the "Grotte di Stiffe";
3. Guided tour to the village of Fontecchio, an example of economic and cultural development and of a medieval village and its surrounding landscape;
4. Guided tour to the the village of Bominaco which host masterpieces of Christian art and architecture as well as medieval castle;
5. Guided tour to the historical center of L'Aquila and its rich heritage;

Since places in each tour are limited, please make sure you sign up to the excursion at dedicated desk by lunch time on Tuesday, June 26.

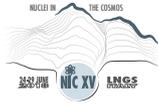
On Thursday, June 28 Prof. F. K. Thielemann will give a public lecture entitled "Explosive nucleosynthesis: what we learned and what we still do not understand". In the evening a Gala Dinner will follow.

Poster prize ceremony for best posters presented by PhD student at the conference will be held on Thursday June 28.

## **Accompanying persons**

We draw your attention to some tours elaborated by students form the Highschool Liceo Scientifico Pasteur in Rome. The following proposals are available:

- Ancient Rome: <https://gsbox.lngs.infn.it/s/yow1NbcxFicN8ms>
- The Baroque Rome: <https://gsbox.lngs.infn.it/s/L1mIBPLRmgXv1gZ>
- The Aventine Hill: <https://gsbox.lngs.infn.it/s/X7jNPoR017rNDp7>
- Historical squares: <https://gsbox.lngs.infn.it/s/5Fbv8CXZTIvS6H2>
- The Copped District: <https://gsbox.lngs.infn.it/s/V0F xv3VxxlVwujG>
- The Modern Rome (EUR): <https://gsbox.lngs.infn.it/s/jBXMWhKQWxaQkM>
- Modern Rome: MAXXI and surroundings: <https://gsbox.lngs.infn.it/s/0T90SBI tG70FeRL>



The students have proposed these tours in the framework of a training project carried out with the laboratory. They will be also present during the whole conference and they will appreciate your comments and feedback.

Further information on leisure and recreational activities can be found on conference website.

A guide to restaurants in L'Aquila area has been prepared by students of the high school Liceo Scientifico Bafile in L'Aquila involved another training project.

You can download the guide here: <https://gsbox.lngs.infn.it/s/0T90SBItG70FeRL>

## Proceedings

Written contributions for all presentations, including posters, will be published in the conference proceedings. In order to expediate publication, as well as minimize costs and hence the impact on the registration fees, the proceedings will be published electronically.

Springer has been selected as the publisher and proceedings will be published as one of the books in their Springer Proceedings in Physics series (<http://www.springer.com/series/361>) and as such, all papers will receive a DOI reference.

Deadline for submission of contributions is **July 24, 2018**.

All contributions will be refereed.

The electronic version of the proceedings will be made available free of charge for downloading by conference participants for 4 months following its online publication.

Template format and consent to publish can be found on website <http://nic2018.lngs.infn.it>.

Required contribution length (including figures and bibliography) is:

invited talk 5 pages

oral talk 4 pages

poster 3 pages.

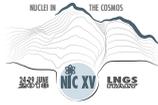
## Supporting institutions and sponsors

The conference is supported financially by a number national and international organisations: INFN, Università della Campania, GSSI, JINA and EPS. In addition, we have also received sponsorship from the IUPAP.

As such, NICXV will be conducted in accordance with IUPAP principles. In particular, no bona fide scientist will be excluded from participation on the grounds of national origin, nationality, or political considerations unrelated to science.

NIC XV is supported also by High Voltage Engineering Europe B.V (<http://www.highvolteng.com/>).

## Contact



Organizing Committee mailing address is:

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NIC2018 Organizing Committee  
Via Giovanni Acitelli 22  
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Italy

Official email address is:

**[nic2018@lngs.infn.it](mailto:nic2018@lngs.infn.it)**

We look forward to welcoming you at the Laboratori Nazionali del Gran Sasso

The NIC XV Organizing Committee:

Alba Formicola (chair, INFN - LNGS)  
Matthias Junker (vice-chair, INFN - LNGS)  
Francesca Cavanna (Genova University & INFN)  
Giovanni Francesco Ciani (GSSI)  
László Csedreki (INFN - LNGS)  
Rosanna Depalo ( INFN Padova)  
Lucio Gialanella (University of Campania & INFN)  
Izabela Kochanek (INFN - LNGS)  
Gianluca Imbriani (Federico II University & INFN)

Conference secretarial staff

Fausto Chiarizia (INFN - LNGS)  
Alessio Attardi (INFN - LNGS)

