

**The 9<sup>th</sup> European Summer School  
on Experimental Nuclear Astrophysics  
Santa Tecla, Catania, Italy  
17-24 September 2017**

2<sup>nd</sup> Announcement

We have the pleasure to announce the “9<sup>th</sup> European Summer School on Experimental Nuclear Astrophysics (Santa Tecla School)”, devoted to the education of young Ph.D. students and young researchers. The school belongs to the European Network of Nuclear Astrophysics Schools (ENNAS), a network made by the European schools on nuclear astrophysics and related areas (the Santa Tecla, the Sinaia, the Russbach schools), having the common effort of preparing and educating young physicists in nuclear physics, astrophysics and their mutual relationship in the nuclear astrophysics field.

The school will deal with both various astrophysical issues, ranging from primordial nucleosynthesis to stellar evolution, and nuclear topics, including novel experimental approaches, radioactive ion beams, indirect methods, and plasma physics (in stars and in the laboratory).

The lectures of the school will be given by high-quality level scientists, selected for their didactical skills. In the spirit of the school, large room will be given to young researcher oral contributions. Specific sessions will be allocated to allow them to present their latest scientific results.

- **HISTORY**

The school is internationally re-known as a cornerstone for young-scientist formation in the field of nuclear astrophysics as well as a “melting-pot” for the discussion of the up-to-date research activity. The previous editions of the school took place in 2001, 2003, 2005, 2007, 2009, 2011, 2013 and 2015. Traditionally, particular attention is devoted to the participation of young students of less-favoured countries, especially from the southern coast of the Mediterranean Sea.

- **ENNAS**

The European Network of Nuclear Astrophysics Schools (ENNAS) is a project that aims to correlate the topics of the four European schools, to correlate their activities to better serve the community of science and students, and to correlate the efforts to obtain funds for these schools, from national and international agencies (i.e. EPS, EC...).

- **SCHOOL WEBPAGE AND CONTACT**

Updated information about the school, the program, the registration form, the fee payment will be given at the following:

-website: <https://agenda.infn.it/conferenceDisplay.py?confId=12664>

-email: [astro2017@lns.infn.it](mailto:astro2017@lns.infn.it) .

- **VENUE**

The school will be held in Santa Tecla, a small sea-shore village 15 Km North of Catania, at the Santa Tecla Palace Hotel (<http://www.hotelsantatecla.it/>), a four stars complex that will offer both double and single rooms, leisure activities, and full board.

- **TIMING**

The school will be held from Sunday, 17<sup>th</sup> September, to Sunday 24<sup>th</sup> September. The seven school days include one day for arrivals (17.09.17) and one day for departures (24.09.17). During the whole period of the school, morning and afternoon lecture sessions will be given.

- **PRELIMINARY SCIENTIFIC PROGRAM**

Primordial Nucleosynthesis

Stellar Evolution

Hydrostatic and Explosive Nucleosynthesis

Plasmas in stars and the laboratory

Detectors and Facilities for Nuclear Astrophysics

Experiments with rare and radioactive isotopes

Indirect Methods for Nuclear Astrophysics

- **LIST OF CONFIRMED SPEAKERS**

A. Bonasera, C. Bertulani, C. Brogгинi, A. Coc, M. Couder, S. Cristallo, F. De Oliveira, M. El Eid, Z. Fülöp, M. Gai, F. Hammache, S. Harissopulos\*, G. Imbriani, K.L. Kratz, S. Kubono, M. La Commara, G. Mathews, C. Matei, J. Mrazek, M. Mazzocco, A. Mengoni\*, S. Nishimura, D. Pierroutsaku, O. Straniero, L. Trache, M. Wiescher\*, P. Woods, H. Yamaguchi

\*to be confirmed

- **CONTRIBUTIONS BY YOUNG RESEARCHERS**

A number of oral contributions from young researchers will be selected by the SOC. Please upload your contribution through the school website by July 20<sup>th</sup> 2017. Selected speakers will be granted the possibility to give a short talk in special sessions.

- **SOCIAL ACTIVITIES**

An excursion to one of the most beautiful Sicilian UNESCO world heritage sites will be planned by the school travel agency. Further information about booking and payment will be given in the next announcements.

- **TRAVEL INFORMATIONS**

Catania has an international airport with connections to Rome and other European airports. On the arrival and departure day, the organization will provide a shuttle service to/from Santa Tecla. Santa Tecla is located on the banks of the Mediterranean sea, in a comfortable and spectacular environment. The hotel has a large lecture hall and many smaller sites for discussions and informal meetings. At the time of the school the weather is ideal in Sicily (around 25° C).

- **ACCOMODATION & PAYMENTS**

The organizers encourage the participation of young researchers from Europe and from non-European countries. The number of participants will be strictly limited to 100. Applicants are welcome to fill the registration form in the school website.

A registration fee of 300 € is requested for covering school expenses and shuttle service from/to airport, only on the first and last day of the school. The venue of the School is the Santa Tecla Palace Hotel, directly on the shore of the Ionian Sea. Rooms were booked at a special rate by the school secretary. Full board in a double room is 95 € per day (140 € for a single room) only if bookings are made through the school website. Fee for accompanying persons is 100 €.

Both the registration fee and the accommodation costs have to be paid in advance via the website

<http://www.shougun.it/CongressiScheda.aspx?IdCongresso=106&lingua=en>

Info available at [s.prestifilippo@shougun.it](mailto:s.prestifilippo@shougun.it)

- **IMPORTANT DEADLINES**

Invitation letter for VISA application: 1<sup>st</sup> July 2017

Registration: 20<sup>th</sup> July 2017

Abstract submission: 20<sup>th</sup> July 2017

Hotel booking: 1<sup>st</sup> September 2017.

- **SUPPORTING INSTITUTIONS**

The school is supported by Laboratori Nazionali del Sud (LNS-INFN), ENSAR2 NUSPRASEN and Dipartimento di Fisica e Astronomia (DFA-UniCT) of Catania.

- **SCIENTIFIC COMMITTEE**

C. Spitaleri (Director, Catania), M. Aliotta (Edinburgh), M. Busso (Perugia), A. Coc (Orsay), M. El Eid (Beirut), T. Kajino (Tokyo), K.L. Kratz (Mainz), S. Kubono (Tokyo), K. Langanke (Darmstadt), J. Josè (Barcelona), T. Motobayashi (Tokyo), A.M. Mukhamedzhanov (TAMU), E. Nappi (Bari), O. Straniero (Teramo), G. Rogachev (TAMU), L. Trache (Bucarest), R.E. Tribble (BNL & TAMU), Weiping Liu (CIAE), M. Wiescher (South Bend).

- **LOCAL COMMITTEE**

R.G. Pizzone (chair), G. Agnello, M. La Cognata, S.M.R. Puglia, G.G. Rapisarda, S. Romano, M.L. Sergi, R. Sparta

- **SCIENTIFIC SECRETARY**

Livio Lamia, email [astro2017@lns.infn.it](mailto:astro2017@lns.infn.it)

- **NEXT ANNOUNCEMENTS**

Next announcement will appear in July 2017 with details about lecturers, subject of lectures and final registration procedures.