

**The 8th European Summer School
on Experimental Nuclear Astrophysics
Santa Tecla, Catania, Italy
13-20 September 2015**

Final Announcement

We have the pleasure to announce the “8th 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.

The school is supported by Laboratori Nazionali del Sud INFN-LNS and by Dipartimento di Fisica e Astronomia, Università di Catania.

- **ENNAS**

The European Network of Nuclear Astrophysics Schools (ENNAS) is a project that aims to correlate the topics of the three 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 scientific program, the registration form, the fee payment will be given at the following:

-website: <http://www.lns.infn.it/link/astro2015>

-email: astro2015@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, 13th September, to Sunday 20st September. The seven school days include one day for arrivals (13.09.15) and one day for departures (20.09.15). During the whole period of the school, morning and afternoon lecture sessions will be given.

- **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 and 2013. Traditionally, particular attention is devoted to the participation of young students of less-favoured countries.

- **SOCIAL ACTIVITIES**

A welcome dinner is planned on 14.09 at the Santa Tecla Palace with a typical Sicilian folk music. The school will organize a trip to the natural reserve of Vendicari together with an excursion to the city of Noto, known because of its Baroque style (included in the Unesco Heritage list). The trip will be on 16.09 and could be booked at the registration desk of the school. A moderate fee will be charged to participants according to the number of interested people. A social dinner will be held in the Santa Tecla Hotel on 18.09.

- **SPEAKERS**

M. Barbui, C. Bertulani, S. Bishop, C. Brogini, A. Coc, N. Colonna, S. Degl'Innocenti, R. Diehl, A. Di Leva, M. El Eid, M. Hass, J. Josè, T. Kajino, K. Kratz, S. Kubono, K.H. Langanke, M. Lugaro, F. Matteucci, M. Mazzocco, B. Meyer, J. Mrazek, M. Pignatari, R.G. Pizzone, O. Tesileanu, L. Trache, M. Turner, T. Uesaka, M. Viviani, P. Woods

- **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 contact the organizing committee by email at astro2015@lns.infn.it for pre-registration (see below) or by filling the registration form in the school website.

We ask for a registration fee of 300 € (which will cover the school expenses as well most social activities and shuttle service from/to airport (only on the first and last day of the school) as well as the proceedings book. 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 85 € per day (120 € 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 School website

<http://www.shougun.it/CongressiScheda.aspx?IdCongresso=92&lingua=en>

- **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 cosy, 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).

The transfer from the Catania airport to Santa Tecla (and vice versa) will be arranged by the school organization only on the arrival day (September 13) and on the last day, (September 20), in connection with the flights. In order to book the airport transfer service, we require that all registrants should submit this [FORM](#).

Participants who require assistance for airport transportation in the other days of the schools are asked to contact the travel agency, in the registration website, to arrange a proper shuttle service (or by email s.prestifilippo@shougun.it). Taxi is another option (<http://www.cataniaintaxi.it> in italian).

All the participants will be collected at the Catania Airport, as the meeting point is set in front of the "Travelex" currency exchange office in the arrival terminal of the Catania Airport. Some members of the local committee will be waiting for students/lecturers at the meeting point

with posters with the school logo. Other participants, arriving or departing on different dates can book a private shuttle (with competitive rates for school participants) from airport to Santa Tecla by contacting s.prestifilippo@shougun.it or directly at the conference desk.

- **PROCEEDINGS**

We are glad to inform you that the proceedings of the school will be published by Journal of Physics Conference Series. School participants will receive information about it at the school and immediately after.

- **SPONSORS**

Sponsorship are provided by Ametek s.r.l. and CAEN. Additional gifts are also provided by F.lli Russo s.r.l.

- **SCIENTIFIC COMMITTEE**

C. Spitaleri (Director, Catania), C. Rolfs (Bochum), 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), Wei Liping (CIAE), M. Wiescher (South Bend).

- **LOCAL COMMITTEE**

R.G. Pizzone (chair), G. Agnello, S. Palmerini, V. Potenza, S.M.R. Puglia, G.G. Rapisarda, M.L. Sergi, R. Spartà

- **SCIENTIFIC SECRETARY**

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