

ASY-EOS 2015

International Workshop on Nuclear Symmetry Energy and Reaction Mechanisms

Second Announcement

The fourth edition of the International Workshop on Nuclear Symmetry Energy and Reaction Mechanisms, ASY-EOS-2015, will be held in March 3-6, 2015, in Piazza Armerina (Sicily), Italy; the previous editions were held in Militello Val di Catania (in 2008), in Noto (in 2010) and in Siracusa (in 2012).

The workshop is promoted by the ASY-EOS collaboration and organized by the Istituto Nazionale di Fisica Nucleare (INFN) - Sezione di Catania and Laboratori Nazionali del Sud (LNS) and by the University of Catania.

The present circular will be available on the official web site of the meeting, www.ct.infn.it/asyeos2015

General Information

The ASY-EOS topical conference series take place in Sicily with the aim of strengthening the link of scientific communities involved in the study of nuclear reactions and their implications on exotic nuclear systems and states of asymmetric nuclear matter. In addition to the investigation of the symmetry energy in nuclear physics, the forthcoming edition of the ASY-EOS-2015 meeting will focus towards the relevance on nuclear reaction mechanisms at the future radioactive beam facilities. ***One session of the workshop will be devoted to the relevance of heavy-ion collisions on the study of the neutrinosphere in Core Collapse supernovae.***

As in the previous editions, special attention will be devoted to the valorization of Sicilian cultural resources and the dissemination of scientific and technological research. This edition of the ASY-EOS conference will be held in the historic town of Piazza Armerina, famous for its ancient Roman villa of the third- fourth century AD, "Villa Romana del Casale". With an area of over 3500 square meters, the Villa was the hunting residence of Maximian Herculean, co-emperor of Diocletian in the management of the Roman Empire. It is now an amazing testimony of life in Roman times due to its mosaic floors, famous throughout the world.

More information about Piazza Armerina and Villa Romana del Casale can be found at the following links:

<http://www.piazza-armerina.it/>

<http://www.villaromanadelcasale.it/en/>

and on the workshop web site.

Information about how to reach the workshop site will be given on the workshop web site.

The organizing committee has negotiated a special rate with local hotel for participants in the ASY-EOS 2015 workshop. More detailed information about accommodation will be provided in the second circular and on the workshop web site.

Scientific Program And Format

The Workshop will focus on the study of nuclear reaction mechanisms and their impact on the symmetry energy term in the nuclear equation of state at both sub- and supra-saturation

densities; the session devoted to the “neutrinosphere” will pay a *special attention to the educational aspect*.

The format of the workshop will include general talks and short oral contributions followed by moderated discussions.

A special ASY-EOS collaboration meeting will take place on March 6th. The meeting is open to anyone interested and will focus on the status of the analysis of the experiment S394 performed at GSI in spring 2011 and on future perspectives.

Participation by students and post-doctoral fellows is strongly encouraged. The official language of the workshop will be English.

Call For Contributions & Pre-Registration

Anyone wishing to attend the workshop is invited to pre-register on the website *before February the 10th, 2015*. At the time of registration it is also possible to submit an abstract. The deadline for abstract submission *has been extended to February the 2nd, 2015*. Accommodation reservation link is available on the website. The registration fee amounts to 250 Euros and will cover all coffee breaks, lunches and participation to the social events (visit to the Villa Romana del Casale and social dinner).

A special prize, offered by our sponsor CAEN-Electronic Instrumentation (www.caen.it) will be assigned to the best talk given by a under 35 speaker.

For any information concerning the workshop and its organization please feel free to write to: asyeosws@ct.infn.it.

Committees

International Scientific Committee:

V. Baran (University of Bucharest, Romania), Z. Basrak (Ruđer Bošković Institute, Croatia), A. Chbihi (GANIL, France), C. Horowitz (Indiana University, USA), R.C. Lemmon (SFTC, Daresbury, U.K.), Y. Leifels (GSI, Germany), J. Lukasik (IFJ-PAN, Poland), J. Natowitz (Texas A&M University, USA), A. Pagano (INFN-Catania, Italy), P. Russotto (INFN-Catania, Italy), W. Trautmann (GSI, Germany), M.B. Tsang (NSCL-MSU, USA), G. Verde (INFN-Catania, Italy).

Local organizing committee:

C. Agodi (INFN-LNS, Italy), G. Cardella (INFN-Catania, Italy), E. De Filippo (INFN-Catania, Italy), G. Lanzalone (“Kore” University, Enna & INFN-LNS, Italy), E.V. Pagano (University of Catania and INFN-LNS, Italy), S. Pirrone (INFN-Catania, Italy), G. Politi (University of Catania and INFN-Catania, Italy), L. Quattrocchi (University of Messina & INFN-GR.Coll. Messina, Italy), F. Rizzo (University of Catania & INFN-LNS, Italy), P. Russotto (INFN-Catania, Italy)

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