

Nuclear Physics in Astrophysics IV

XXII International Nuclear Physics
Divisional Conference of the European Physical Society

A Europhysics Conference

Laboratori Nazionali del Gran Sasso, Assergi, Italy
June 8 - 12 2009

Second Circular

Assergi, February 4, 2009

The conference will be held at Laboratori Nazionali del Gran Sasso, INFN, Assergi, L'Aquila, Italy between 08-12 June, 2009.

Preliminary Scientific Program

NPA IV program will consist of invited review talks on recent achievements of Nuclear Astrophysics and selected oral and poster contributions on important experimental and theoretical results.

The scientific programme will open on Monday June 8th at 9:00 and close on Friday June 12th at noon.

Invited speakers

The following invited speakers have already confirmed their participation in NAPIV:

Big-Bang Nucleosynthesis and Formation of First Stars

A.Coc, IN2P3, Orsay, France

Stellar(non explosive) Nucleosynthesis

M. Limongi, INAF Rome, Italy

D. Schürmann, JINA, USA and DSA Napoli II Seconda Università, Italy

G. Pizzone, Laboratori Nazionali del Sud, Catania, Italy

M. Heil, GSI, Darmstadt, Germany

A. Mukhamedzhanov Texas A&M, USA

R. Reifarth, GSI, Darmstadt, Germany

A. Junghans, FZD, Dresden, Germany

Explosive Nucleosynthesis

F. Thielemann, University of Basel, Basel, Suisse

T. Kurtukian-Nieto, CEN Bordeaux, France

G. Gyürky, ATOMKI, Debrecen, Hungary *EPS Invited Speaker*

D.G. Redondo, Universidade de Lisboa, Lisboa, Portugal

Nuclear Structure far from stability

P. Woods, University of Edinburgh, Edinburgh, UK

R. Gernhaeuser, Technical University of München, Germany

Underground Facilities for Nuclear Astrophysics and Rare-Event Physics

C.P. Garay, Instituto de Fisica Corpuscular Valencia, Spain

A. Lemut, INFN Genova and LBNL, USA

A. Ianni, INFN, Laboratori Nazionali del Gran Sasso, Italy

N.J.T. Smith, Particle Physics Department, Rutherford Appleton Laboratory, Chilton, UK

O. Cremonesi, INFN, Milano Italy

K. Zuber, Technische Universität Dresden, Dresden, Germany

Public Lecture

Prof. Dr. C. Chiosi - *Primordial and stellar nucleosynthesis*

Call for Abstract

All contributors to the conference are requested to submit a one-page abstract by e-mail (npa4-abstract@lngs.infn.it) not later than **April 1st, 2009**. Accepted format is standard LaTeX. A template can be downloaded from the conference website. The selection of oral and poster contributions will be done by 15 April 2009. The book of abstracts will be distributed to the participants at the registration desk.

Proceedings

Both oral contributions and selected poster will be peer reviewed by a dedicated committee of referees.

The proceedings of the conference will be published in Journal of Physics: Conference Series.

The deadline for proceedings contributions is July 10th, 2009. Independently this volume will also be made available in book form for the conference participants.

Fee and support

The following conference fees will apply:

- for Individual Ordinary Members of EPS: 350 EUR
- for Members of National Societies: 350 EUR
- for Non-Members: 380 EUR
- Students: 300 EUR (defined by student registration)

The fee includes:

- the transportation from/to the Rome airports
- the shuttle service from/to the hotel
- the visit at the underground laboratory
- the abstract booklet and a copy of the proceedings volume
- refreshments and lunches

The fee should be paid by bank transfer by **April 30th, 2009** (preferred) or on site in cash (euros only).

Account Holder: Nuclear Physics in Astrophysics-NPAIV

Bank: Banca di Credito Cooperativo Roma – Agenzia 157

SWIFT: ROMAITRR

IBAN: IT86 W 08327 03603 0000 0000 0139

Reason for payment: Fee NPA4 conference, "your name"

The number of participants is limited to 120.

Accommodation

Accommodation will be available in nearby hotels at a walking distance of about 10 minutes. Special rates will be applied for the participants. Rooms are available for single and double occupancy in different categories up to **May 15, 2009**.

For a detailed list of hotels please visit the conference web site: <http://npa4.lngs.infn.it>

Support

The Local Committee will encourage the attendance of young physicists. A limited amount of support will be available for young scientists upon request.

EPS Grant

European Physics Society Grants' Committee agreed to grant NPAIV conference. Recipients of the grants should have received their PhD not more than 6 years (or equivalent) prior to the application. They should present a contribution to NPAIV and study or work at an European institution or demonstrate economic need. If you want to apply please fill in the application form and submit an abstract of your contribution (TEX and pdf file) using the Latex style. In case the applications exceed the availability the local organizing committee will choose among applicants based on the applications. Applicants will be informed in due time. Deadline for the EPS Grant is **March 15th, 2009**.

EPS Poster Prize

The European Physics Society has granted NPAIV conference one EPS Poster Prize to make an award to a PhD student (defined by student registration) who has presented the best poster at the conference. A summary of the poster will be also published in Europhysics News. During the conference the Local Organizing Committee will judge the poster and organize an awards ceremony.

Correspondence

Further information is available at the conference website:

Web: <http://npa4.lngs.infn.it>

e-mail: npa4@lngs.infn.it

Address

Laboratori Nazionali del Gran Sasso, INFN,

S.S.17bis km18+910

67010 Assergi (AQ)

Italy

fax: +39 0862 437570

We are looking forward to welcome you at the Laboratori Nazionali del Gran Sasso.

The Local Organizing Committee

Prof. Dr.Eugenio Coccia, director of LNGS, chair

Dr. Alba Formicola (scientific secretary)

Dr. Carlo Gustavino

Dr. Matthias Junker

Conference secretary: Mr. Fausto Chiarizia