

Nuclear Physics in Astrophysics IV

XXII International Nuclear Physics
Divisional Conference of the European Physical Society

A Europhysics Conference

Laboratori Nazionali di Frascati
in collaboration with Laboratori Nazionali del Gran Sasso, Assergi, Italy
June 8 - 12 2009

Third Circular

Frascati, May 28, 2009

The conference will be held at Laboratori Nazionali di Frascati, INFN, Frascati, Italy between 08-12 June, 2009.

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 in the following field:

- Big-Bang Nucleosynthesis and Formation of First Stars
- Stellar Nucleosynthesis
- Explosive Nucleosynthesis Nuclear Structure Far from Stability
- Underground Facilities for Nuclear Astrophysics and Rare-Event Physics

The scientific programme will open on Monday June 8th at 9:00 and close on Friday June 12th at noon. The accepted abstracts and the program of the conference can be found at <http://npa4.lngs.infn.it>

All invited talks will be 30 minutes long including 5 minutes of discussion. All contributed talks will be 20 minutes long including 5 minutes of discussion. A data projector will be on disposal. The presentation must be handed to the organizers on USB pen to be copied to the laptop of the Lecture Hall well before the session starts. Speakers should check the computer presentations on the conference laptop in the coffee break before their session.

The poster size is A0. The posters should be displayed for the whole duration of the conference. The dedicated poster session is on 9 June from 17:00 until 19:00.

Invited speakers

Big-Bang Nucleosynthesis and Formation of First Stars

A.Coc, IN2P3, Orsay, France

Stellar 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. Guglielmetti, Università di Milano and INFN, Italy

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

S. Paling, Uni Sheffield and Boulby Deep Underground Science Facility, UK

O. Cremonesi, INFN, Milano Italy

M. Laubenstein INFN, Laboratori Nazionali del Gran Sasso, Italy

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 page limit is 6 pages for invited talks and 4 pages for contributed talks. The five best posters will also be published with a 4 page limit. The proceedings editors will assure that the papers accepted will live up to high scientific standards. Papers failing to do so will be rejected. In particular, the selected articles have to be original papers not yet published or accepted for publication elsewhere.

All articles must be submitted in electronic format using the specific LaTeX style files.

The editors will provide guidelines for manuscript preparation and a server for uploading the final manuscripts for production. Detailed information can be found on the conference web site <http://npa4.lngs.infn.it/index.php?query=proceedings>. The deadline for proceedings contributions is August 31st, 2009.

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
- excursion Villa Adriana, Tivoli
- the abstract booklet
- refreshments and lunches

The fee should be paid on site in cash (euros only).
The number of participants is limited to 120.

Travel information

NPAIV buses will leave from Fiumicino Airport at 15:00 and at 18:30 on Sunday, June 7th. You will find the bus at the bus parking in front of Terminal C, exit international flights.

The Bus is run by the company "Schiaffini" and will expose the poster of the NPAIV conference. For the busses preference will be given to those who did a reservation via the NPAIV web site.

If you want to reach Frascati independently please refer to the NPAIV web site <http://npa4.lngs.infn.it/index.php?query=reachfrascati> for maps and timetables.

In brief, from Fiumicino Airport you can take the Leonardo Express (Non Stop) to Rome Termini Station. Here you can take the train to Frascati Station.

From Ciampino Airport you can take the public bus to Ciampino FS Railway Station. From Ciampino station you then take the train to Frascati.

Events

Welcome party on Monday, 8 June

A Welcome Party will be offered for the participants Monday, June 8, 2009, the evening party will be in the garden in Laboratori Nazionali di Frascati.

Visit to the Frascati National Laboratory on Tuesday, June 9

We provide the possibility to visit the Frascati National Laboratory. Further information concerning this visit will be announced on Monday, June 8.

Public Lecture on Wednesday, June 10

C.Chiosi, University of Padova, will give a public lecture (in English language)
Primordial and stellar nucleosynthesis

Half-day excursion and Gala Dinner on Thursday, June 11

An excursion to Villa Adriana, Tivoli will take place.
In the evening Gala Dinner in Hotel Villa Mercede.

Poster Price Ceremony on Friday, June 12

The European Physics Society has granted NPAIV conference one EPS Poster Prize to make an award to a PhD student who has presented the best poster at the conference.

Correspondence

Further information is available at the conference website:

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

e-mail: npa4@lngs.infn.it

Tel.: (0039) 06 9403 2701 – 2700

Fax : (0039) 06 9403 2703

Address

Laboratori Nazionali di Frascati, INFN,
via E.Fermi 40
00044 Frascati
Italy

We are looking forward to welcome you at the Laboratori Nazionali di Frascati.

The Local Organizing Committee

Eugenio Coccia, director of LNGS, chair

Alba Formicola (scientific secretary)

Carlo Gustavino

Matthias Junker

Conference secretary:

Fausto Chiarizia (LNGS), Silvia Giromini (LNF)