
16-23 August, 2015, Odessa, Ukraine

Preliminary announcement

The Conference and the Gamow’s School are devoted to:
- 111 year anniversary of George Gamow
- 150 year anniversary of Odessa National University
- 50 years of discovery of CMB radiation
- 100 years of general relativity

SCIENTIFIC ORGANIZING COMMITTEE:

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A.A.Starobinsky (L. D. Landau Institute for Theoretical Physics, Moscow), A.V.Stepanov (Pulkovo observatory RAN, Saint-Petersburg), Y.S.Yatskiv (President of UAA, Kiev)

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V.P.Olyeynik, S.L.Strakhova, A.L.Sukharev, V.V.Troiansky, V.O.Yushenko
SCIENTIFIC TOPICS:
Cosmology, gravitation, astroparticle physics, high energy physics, astrophysics, plasma astrophysics, radioastronomy, solar activity, solar system, astrobiology

MAIN EVENTS:
1 Announcement 15 February
2 Announcement 15 May
3 Announcement 15 July
Registration 15 June (deadline)
Abstract submission 15 June (deadline)
Arrival day 16 August
Conference opening 17 August
Conference closing 22 August
Excursions day 23 August

PRELIMINARY LIST OF PLENARY SPEAKERS:
1. I. Antoniadis (Albert Einstein Center - University of Bern and Ecole Polytechnique, Bern, Switzerland)
2. R. Bernabei (University of Rome “Tor Vergata”, Roma, Italy)
3. G.S. Bisnovatyi-Kogan (SRI RAS, Moscow, Russia G.S.)
4. A.D. Chernin (SAI MSU, Moscow)
5. T. Damour (Institut des Hautes Etudes Scientifiques, Bures sur Yvette, France) to be confirmed
6. A. Dolgov (Novosibirsk State University, Novosibirsk, Russia; ITEP, Moscow, Russia; University of Ferrara and INFN, Italy)
7. N. Erokhin (IKI RAN, Moscow, Russia) to be confirmed
8. G. Fleishman (NJIT, USA) to be confirmed
9. W. Gekelman (UCLA, USA) to be confirmed
10. A. Giuliani (CSNSM - CNRS/IN2P3, Orsay, France) to be confirmed
11. A. Kosovichev (Stanford University, USA) to be confirmed
12. A. Levinson (Tel Aviv University, Tel Aviv, Israel) to be confirmed
13. M. Merafina (University of Rome La Sapienza, Roma, Italy) to be confirmed
14. V. Mukhanov (Ludwig-Maximilians-Universität, Munich, Germany)
15. J. Paredes (Universitat de Barcelona (IEEC-UB), Barcelona, Spain) to be confirmed

16. G. Pelletier (Institute of Planetology and Astrophysics of Grenoble (IPAG), Grenoble, France) to be confirmed

17. G. Romero (Instituto Argentino de Radiotelescopios (IAR, CCT La Plata, CONICET) Buenos Aires, Argentina) to be confirmed

18. V. Rubakov (INR, Moscow, Russia)

19. M. Shaposhnikov (EPFL, Lausanne, Switzerland)

20. S. Sibiryakov (CERN, Geneva, Switzerland)

21. D. Singleton (California State University, Fresno, USA)

22. A. Smirnov (ICTP, Trieste, Italy; Max-Planck Institute for Nuclear physics, Heidelberg, Germany)

23. A. Starobinsky (L. D. Landau Institute for Theoretical Physics, Moscow, Russia)

24. M. Trodden (University of Pennsylvania, Philadelphia, USA)

GENERAL INFORMATION:

These Conference and School are devoted to the 110th birthday anniversary of Georgij (George) Antonovich Gamow, one of the great physicists and cosmologists of the 20th century. Gamow has made an important and decisive contribution to modern physics, cosmology and biology. His three most significant contributions to science are:

- He discovered the quantum nature of alpha-decay in nuclear physics (1928).
- He proposed the theory of the Hot Universe (1946-1953).
- He found the clue to the genetic code in biology (1954).

George Gamow was born in Odessa. Here, he leaved the secondary school and was for two years a student of the Novorossiisk University of Odessa. Wherever Gamow lived, he retained his character and his sharp Odessian humor. During the conference, participants will be able to visit the sights of Odessa, to see and feel its colour and to walk along the Gamow places described in his book “My World Line: an Informal Autobiography”.

These Conference and School will be the 5th Gamow Conference in Odessa, after those in 1994, 1999, 2004 and 2009 years, and the 15th annual Gamow School, starting from 2001 year. We intend to bring together experts on the subjects of modern astrophysics, cosmology, high energy physics and biology with a number of interested scientists and students, in order to discuss the most recent developments and problems related to the topics of the activities,
exchange of ideas, review major experimental and theoretical efforts. The program will consist of series of coordinated review lectures supplemented by short reports, presentations of posters and discussions of the hottest problems in observable Universe. The working language is English.

CONFERENCE FEE:
300 euro (420$), 150 euro (200$) for postgraduate students, 100 euro (140$) for accompanying persons (no fees for children).
Optionally, these fees can be reduces for participants from Former Soviet Union and from economically less privileged countries.
The conference fee includes the conference materials (the program and the book of abstracts), tea/coffee breaks and the conference events (welcome reception).
The conference fee should be paid upon arrival during the registration.

CONFERENCE VENUE:
The Conference and School will be held in the Sports and Recreation Centre of Odessa National University "Chernomorka" on the bank of the Black Sea (15 km far from the center of the city). Participants will have the possibility to live either in the Chernomorka (preliminary 25$ per a day including three meals a day) or in a comfortable pension “Sovinyon”:
http://www.sovinyon-resort.com.ua, <sovinyon-resort@mail.ru>
(phone: +38 048 719-09-14)
and a hotel “Grand Marine”:
http://www.grand-marine.com.ua, <reception@grand-marine.com.ua>
(phone: + 38 048 728-80-20).
The prices in both of these hotels are indicated in Ukrainian Hryvnia (UAH). The official exchange rate of Hryvnia can be found in the web-page:
See also: http://kurs.com.ua/odessa

For more details regarding the conference and school, please contact us:
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www.astro-soc.odessa.ua (in Russian)