



Dear colleagues,

This is the **third** circular of the 2-nd International Conference on **Current Problems in Nuclear Physics and Atomic Energy (NPAE-Kyiv2008)**, which will be held from June 9 to June 15, 2008 in Kyiv, Ukraine.

The first International Conference on Current Problems in Nuclear Physics and Atomic Energy (NPAE-Kyiv2006) was held in Kyiv (Ukraine) from May 29 to June 03, 2006. The Conference proceedings of the first conference have been published in two parts and also available in the web http://www.kinr.kiev.ua/NPAE_Kyiv2006/.

The purpose of these Conferences is to bring together scientists to share their knowledge in the current problems in nuclear physics and atomic energy.

The NPAE-Kyiv2008 conference will cover the following topics:

- Collective processes in atomic nuclei
- Nuclear reactions at low and high energies
- Nuclear structure and decay data
- Rare nuclear processes, nuclear astrophysics
- Neutron and reactor physics
- Nuclear data and data evaluation
- Problems of atomic energy
- Applied nuclear physics in medicine and industry
- Experimental facilities and detection techniques

The conference will consist of plenary, parallel and poster sessions. Plenary sessions are composed of invited talks, and parallel sessions consist of invited talks and oral presentations selected from the contributions.

The Conference program is available on the Conference website <http://www.kinr.kiev.ua/NPAE-Kyiv2008>

The working language of the Conference is English. Simultaneous translation will be provided for some reports.

The NPAE-Kyiv2008 conference is organized by the National Academy of Sciences of Ukraine (NASU, <http://www.nas.gov.ua>) the Institute for Nuclear Research of NASU, Kyiv ([KINR](http://www.kinr.kiev.ua), <http://www.kinr.kiev.ua>) in collaboration with Taras Shevchenko National University of Kyiv ([NTSU](http://www.univ.kiev.ua), <http://www.univ.kiev.ua>).

Conference site

The Conference will take place at the Institute of Continuing Education (ICE) of Taras Shevchenko National University of Kyiv, located about 5 km south of downtown (Vasylkivska str., 36, (Amurska square), Kyiv).

Conference proceedings

The Proceedings of the Conference will be published by Publishing Department of KINR and selected papers will be also published in the scientific journal "Nuclear Physics and Atomic Energy" (<http://www.kinr.kiev.ua/data/digest/digest.html>). The papers selected for publication in journal will be reviewed by referees.

Reports and posters (as .DOC file) will be collected during the Conference registration upon arrival. Also authors are asked to bring two hardcopies of their paper(s). Samples and instructions for preparation of the article can be found at the end of this circular and on the Conference website. All registered participants will receive a copy of the Proceedings.

Conference fee and registration

The registration fee for participants 200 Euro.

The registration fee for participants from Ukraine and the CIS countries 50 Euro.

The registration fee for accompanying persons 50 Euro.

Registration fee includes book of abstracts, coffee breaks, welcome party, conference dinner, social events, book of proceedings (books of abstracts and proceedings for participants).

The fee should be paid in cash upon arrival.

Registration of the Conference participants will be held on **June 8 from 11:00 to 19:00** and **June 9 from 8:30 to 10:30** at the Conference site (Vasylkivska str., 36, Kyiv).

General information

Welcome party for the Conference participants is planned on Monday evening on June 9, 2008. Conference banquet will be organized on Thursday evening on June 12, 2008.

During the Conference (at leisure hours) for all participants a sightseeing tour to the historical places of Kyiv will be organized.

Travel information

International airport "Borispol" (web site <http://www.airport-borispol.kiev.ua/>) of Kyiv has good connections with the majority countries in the world. The airport is located in 40--50 min travel by car to downtown and the Conference site.

The shuttle bus for conference participants on the route International airport "Borispol" — Hotel "Mir" — Conference site (Institute of Continuing Education, Vasylkivska str., 36, Kyiv) departure from the International airport "Borispol"

at 10:00, 13:00, 15:00, 17:00 and 19:00 on June 8, 2008 and

at 13:00 and 16:00 on June 9, 2008.

Please, find in airport the persons with the Conference poster for information how to use this bus.

You can also use municipal bus right in front of the airport "Borispol" circulating every 25 minutes with final destination to main railway station. Ticket costs 25 grivnas.

Kyiv is well connected by railway transport with some European countries. It is easy to get the Conference site by metro and bus or taxi.

The metro stop "Vokzal'na" is located near the main exit of the railway station on the left side. From stop "Vokzal'na" to stop "Kreshatyk" it is possible to get by red line of metro.

From stop "Kreshatik" to stop "Maidan Nezalezhnosti" it is possible to go by step, using underground transfer between metro stops.

From stop "Maidan Nezalezhnosti" to stop "Lybidska" it is possible to get by blue line of metro.

From metro station "Lybidska" it is possible to get to the Conference site by bus number 38 or by small bus number 38, 156, 172. The bus stop "Amurska plosha" is located near the Conference site.

It is useful to use metro map <http://www.airport-borispol.kiev.ua/transport/detail/metro.html#>. Metro costs 0.50 grivna, the bus costs 0.50 grivna, the small bus costs 1.50 grivnas.

Visa

Visa formalities to Ukraine are waived for nationals of many countries (without official invitations). If you know that you need visa, and learn about application process, you can visit the site <http://www.mfa.gov.ua/mfa/en/publication/content/1865.htm> or apply to the local Embassy or Consulate of Ukraine.

If necessary, we will provide you with an official invitation letter upon request.

Key Dates

Participant registration	8 June 2008 from 11:00 to 19:00
	9 June 2008 from 8:30 to 10:30
Deadline for papers	9 June 2008
Conference	9 -15 June 2008

Correspondence

Please, address all the mail and questions concerning scientific program, publication, etc. to:
Dr. Vitali Yu. Denisov or Dr. Olena O. Gritzay

Institute for Nuclear Research,

Prospect Nauky, 47

Kyiv, 03680

Ukraine

E-mail: npae-kyiv2008@kinr.kiev.ua

Fax: +38 044 525 44 63

Phone: +38 050 351 00 83 (Dr. Vitali Yu. Denisov)

Phone: +38 067 932 70 05 (Dr. Olena O. Gritzay)

All information on the Conference may be found at the website:

<http://www.kinr.kiev.ua/NPAE-Kyiv2008>

We are looking forward to seeing you in Kyiv in 2008

NPAE-Kyiv2008 organizers

INSTRUCTIONS FOR AUTHORS (TITLE)

1 line ®

N. N. Author¹ and N. N. Co-author(s)²

1 line ®

¹*Affiliation*

²*Affiliation* (if different from Authors affiliation)

1 line ®

Abstract: Each paper must begin with an abstract. The abstract should be typed in the same manner as the body text (see below). Please note that these Instructions are typed just like the manuscripts should be. The abstract must have of 150 - 200 words, supplying general information about the achievements, and objectives of the paper, experimental technique, methods applied, significant results and conclusions. The text should be printed on the paper 21 x 29,7 cm (A4 format), with margins of: Top – 2, Bottom – 2,5, Left – 3, Right – 1 cm.

1 line ®

1. Introduction

1 line ®

This paper contains instructions for preparing manuscripts for the International Conference NPAE-Kyiv2008. The text, not exceeding 8 pages for regular papers and 14 pages for invited papers, should be prepared in .DOC format (using MS Word) and send at e-mail address: npae-kyiv2008@kinr.kiev.ua

1 line ®

2. Instructions

1 line ®

The text should be typed as follows:

- title: Times New Roman, 12 pt, ALL CAPS, bold, 1,5 spacing, centered;
- authors: name, initials and family names; Times New Roman, 12 pt, bold, 1,5 spacing, centered;
- affiliation(s): Times New Roman, 11 pt, italic, 1,5 spacing, centered;
- abstract: Times New Roman, 11 pt, 1,5 spacing, justified;
- body text: Times New Roman, 12 pt, 1,5 spacing, justified; paragraphs in sections should be indented right (tabulated) for 1,25 cm;
- section titles: Times New Roman, 12 pt, bold, 1,5 spacing, centered, numerated in Arabic numbers (except ACKNOWLEDGMENTS and REFERENCES), one line should be left blank above and below section title;
- subsection titles: Times New Roman, 11 pt, bold, 1,5 spacing, centered, numerated in heading numbering style in accordance to the section (e.g. 2.1., see below), one line should be left blank above and below subsection title;

- figure captions: width of the figure should be 85 or 170 mm, figures should be numbered (Fig. 1) and titled below figures using sentence format, Times New Roman, 11 pt, 1,5 spacing, centered (if one line) or justified (if more than one line);
- one line should be left blank below figure captions;
- table captions: width of the table should be 85 or 170 mm, tables should be numbered (*Table 1.*) and titled above tables using sentence format, Times New Roman, 11 pt, 1,5 spacing, centered (if one line) or justified (if more than one line), tables should be formatted with a single-line box around the outside border and single ruling lines between rows and columns;
- one line should be left blank below tables;
- equations: place equations centered, numbered in Arabic (1), flush right, equations should be specially prepared in MathType;
- one line should be left blank below and above equation.

1 line ®

2.1. Additional instructions

1 line ®

Numerated figures and tables should be embedded in your text and placed after they are cited. Only black and white drawings and sharp photographs are acceptable. Letters in the figures should be 3 mm high.

1 line ®

REFERENCES

1 line ®

References should be numbered in the order of referring in the text, e.g. [1], [2 – 5], etc. Do not superscript your reference numbers. Cite references as in journal format. The full references should be listed in numerical order of citation in the text at the end of the paper (justified).

References should be given in the following form:

Journals

1. *Holzwarth G., Eckart G.* Fluid-dynamical approximation for finite Fermi systems // Nucl. Phys. – 1979. – Vol. A325. – P. 1 – 30.

Books

2. *Bertsch G. F., Broglia R. A.* Oscillations in finite quantum systems. Ch. 6. – Cambridge: Cambridge University, 1994. – 150 p.

Chapters

3. *Van der Woude A.* The electric giant resonances // Electric and magnetic giant resonances in nuclei / Ed. by J. Speth. – Singapore: World Scientific P.C., 1991. – P. 99 – 232.

Conference or symposium proceedings

4. *Smolanzuk R., Skalski J., Sobiczewski A.* Masses and half-life of superheavy elements // Proc. of the International Workshop 24 on Gross Properties of Nuclei and Nuclear Excitations / Ed. by H. Feldmeier et al. - GSI, Darmstadt, 1996. - P. 35 - 42.

Special Notes

1. Use International System of Units (SI system).
2. It is undesirable to use acronyms in the titles. Please define the acronym on its first use in the paper.
3. Refer to isotopes as ^{14}C , ^3H , ^{60}Co , etc.