



Dear colleagues,

This is the **third** Circular of the 4-th International Conference on **Current Problems in Nuclear Physics and Atomic Energy (NPAE-Kyiv2012)**, which will be held from September 3 to September 7, 2012 in Kyiv, Ukraine. This Conference is the continuation of the Conferences held in Kyiv in 2006, 2008 and 2010.

The NPAE-Kyiv2012 Conference will cover the following topics:

- Collective processes in atomic nuclei
- Nuclear reactions
- Nuclear structure and decay processes
- Rare nuclear processes
- Neutron and reactor physics, nuclear data
- Problems of atomic energy
- Applied nuclear physics, experimental facilities and detection techniques
- High-energy physics

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 working language of the Conference is English.

Conference program will be available on the Conference website
<http://www.kinr.kiev.ua/NPAE-Kyiv2012>
approximately August 22, 2012.

The NPAE-Kyiv2012 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>) in collaboration with the Taras Shevchenko National University of Kyiv (*NTSU*, <http://www.univ.kiev.ua>).

Conference site

The Conference will take place at the Institute of Postgraduate Education (IPE) of Taras Shevchenko National University of Kyiv, located about 5 km south of downtown (Vasylkivska str., 36, Kyiv). The Conference site is close to the metro station "Vasylkivska". The distance between the Conference site and the subway is 300 meters.

Conference proceedings

Proceedings of the Conference will be published by Publishing Department of KINR and will be available on the Conference site after Conference. Proceedings of the previous Conferences (NPAE-Kyiv2006, NPAE-Kyiv2008, NPAE-Kyiv2010) can be found on the sites http://www.kinr.kiev.ua/NPAE_Kyiv2006/ and http://www.kinr.kiev.ua/NPAE_Kyiv2008/.

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. Samples and instructions for preparation of the article can be found in the end of this circular and on the Conference website. All registered participants will receive a copy of the Proceedings.

Conference fee and registration

Registration fee for participants	250 Euro.
Registration fee for participants from Ukraine and the CIS countries	70 Euro.
Registration fee for accompanying persons	70 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).

Registration of the Conference participants will be held on **September 2 from 11:00 to 19:00** and **September 3 from 9:00 to 10:50** at the Conference site (Vasylykivska str., 36, Kyiv).

General information

Welcome party for the Conference participants is planned for Monday evening on September 3, 2012. Conference banquet will be organized on Thursday evening on September 6, 2012.

Sightseeing tour to the historical places of Kyiv will be organized on Wednesday evening on September 5, 2012.

Travel information

International airport “Borispol” (web site <http://kbp.aero>) 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.

Please, find in airport the persons with the Conference poster for transportation from International airport “Borispol” to hotel according to your confirmation in the Final Registration Form.

Useful link for transportation individually is <http://www.skybus.kiev.ua>

You can also use municipal bus “Sky Bus” (<http://www.skybus.kiev.ua>) in the airport “Borispol” circulating every 25 minutes with final destination to main railway station. There are two stop in Kiev. The final stop on the main railway station is relatively far from Metro, while the other stop “Metro Kharkivska” is very close.

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

Metro stop "Vokzal'na" is located near the main exit of the railway station on the left side. From stop "Vokzal'na" to stop "Khreshatyk" it is possible to get by red line of metro (3 stops).

From stop "Khreshatyk" to stop "Maidan Nezalezhnomy" it is quite walking distance, using underground transfer between metro stops.

From stop "Maidan Nezalezhnomy" to stop "Vasylkivska" it is possible to get by blue line of metro (7 stops). The Conference site is close to the metro station "Vasylkivska". The distance between the Conference site and the subway is 300 meters.

It is useful to use metro map on the conference site. Metro costs 2.00 grivnas, the municipal bus costs 1.50 grivna, the bus or small bus of private companies costs ~2.00-3.50 grivnas.

Visa

Visa formalities to Ukraine are waived for nationals of some countries (without the 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 Embassy or Consulate of Ukraine in your country.

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

Key Dates

Participant registration	2 September 2012 from 11:00 to 19:00 3 September 2012 from 9:00 to 10:50
Deadline for papers	3 September 2012
Conference	3 -7 September 2012

Weather forecast

Links on various weather forecasts can be found on the conference site. The weather is rather sunny and comfortable in September in Kiev.

Correspondence

Please, address all the mail and questions concerning scientific program, publication, etc. to:

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e-mail: interdep@kinr.kiev.ua)
+ 38 067 396 73 72 (Ms. Natali Olesova – IPO hotel issues)

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

<http://www.kinr.kiev.ua/NPAE-Kyiv2012> .

We are looking forward to seeing you in Kyiv

NPAE-Kyiv2012 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.

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1. Introduction

1 line ®

This paper contains instructions for preparing manuscripts for the International Conference NPAE-Kyiv2012. 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 by e-mail address: npae-kyiv2012@kinr.kiev.ua

The paper should be written in English.

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2. Instructions

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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.

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2.1. Additional instructions

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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.

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REFERENCES

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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.