

## GUIDELINES FOR CONTRIBUTORS

The journal “Nuclear Physics and Atomic Energy” publishes articles which are completed works containing the new results of theoretical and experimental researches on Nuclear Physics, Atomic Energy, Radiation Physics, Radiobiology and Radioecology, Engineering and Methods of Experiment.

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All papers submitted to the journal are peer reviewed and approved by the Editorial Board. The Editorial Board has the rights to decline papers, which are not in line with the journal profile, contain no new information or which scientific and methodological levels are not high.

The hard copies and electron version should be prepared according to the rules listed below. The editors reserve to themselves the right to reject the paper with unsatisfactory quality of the contributed material.

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<sup>1</sup>*Affiliation*

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### INSTRUCTIONS FOR PREPARING MANUSCRIPT (TITLE)

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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 no more than 1000 phonetic symbols, 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 × 29.7 cm (A4 format), with margins of: Top – 2, Bottom – 2.5, Left – 3, Right – 1 cm. The abstract (including the title of article, names of author and coauthor(s), affiliation(s) and keywords) should be presented in Ukraine, Russian and English.

*Keywords:*

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#### 1. Introduction

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This paper contains instructions for preparing the manuscripts. The text, not exceeding 14 pages, should be prepared in .doc format (using Microsoft Word).

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#### 2. Instructions

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The text should be typed as follows:

- 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;
- title: Times New Roman, 12 pt, ALL CAPS, bold, 1.5 spacing, centered;
- abstract: Times New Roman, 11 pt, 1.5 spacing, justified;
- keywords: 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 0.5 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 80 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. The figures should be presented in one of the following graphic formats: jpg, gif, pcx, bmp, tif.

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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:

1. *Holzwarth G., Eckart G.* Fluid-dynamical approximation for finite Fermi systems // Nucl. Phys. - 1979. - Vol. A325. - P. 1 - 30.
2. *Bertsch G.F., Broglia R.A.* Oscillations in finite quantum systems. Ch. 6. - Cambridge: Cambridge University, 1994. - 150 p.
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.
4. *Smolanzuk R., Skalski J., Sobiczewski A.* Masses and half-life of superheavy elements // Proc. of the Int. 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  $^{14}\text{C}$ ,  $^3\text{H}$ ,  $^{60}\text{Co}$ , etc.