

## GUIDELINES FOR AUTHORS OF JOURNAL “PHYSICS OF ATOMIC NUCLEI”

The following requirements apply to the materials submitted to the editorial office by E-mail.

1. The following documents should be attached to the article (TeX+pdf or doc+pdf):

- recommendation from the core academic or research institution (Institute, University) (scan, pdf).
- agreements: License Agreement with journal “Physics of Atomic Nuclei” and Copyright Transfer Agreement with “Pleiades Publishing”, signed by all authors (or by corresponding author) (scan, pdf) (see publishers websites: “Physics of Atomic Nuclei” – <http://sciencejournals.ru/journal/yadfiz/> and “Pleiades Publishing” – <http://pleiades.online/en/journal/nuclphys/>).

2. The text of the article (in Russian or English), figure captions, list of references should be clearly printed in double line spacing, in normal font size 12 pt with full justify alignment. It is not recommended to highlight individual parts with underscores, bold or italics. Pages should be numbered through continuous numbering.

The first page of the article should be as follows: title (normal capital bold 14 pt, alignment – in the center, between the lines of the title – a single space. Between the title and the authors – one and a half line spacing. Authors: normal bold, 12 pt, center alignment. At the beginning of the line – copyright, year of publication, then the initials and surnames of the authors. A space (if necessary – an indissoluble space) should be between each initial and surname. If the author's initials and surnames occupy more than one line, single line spacing is set between the lines. Next, with alignment in the center after one and a half line spacing, followed by a line with the name of the organization (s), where the work is done (without address index), a brief (5–6 lines) abstract (full justify alignment, 11 pt, single line spacing). Footnote (bottom of page) should contain E-mail address of corresponding author.

A set of headings in the text should be in uppercase normal font with alignment in the center. There are no full stops at the end of the sections! Sections INTRODUCTION and CONCLUSION should be numbered also. An additional blank line should be placed between the text of the previous section and the heading (there is no blank line after the heading name!). If in a particular section you need more headings, you must use the double numbering (direct normal font); the name of the heading should be typed in italic font, matching the size of the article, text alignment should be full justify with the indentation. There is no additional space between the subheading and the preceding text. The heading bibliography is centered.

The terms, units and symbols used in the articles should be generally accepted. Abbreviations should be explained at the first mention.

3. At the end of article the LIST of references should be given according to the model:  
Journals: W. Ziegler *et al.*, Phys. Rev. Lett. **65**, 2515 (1990); A. V. Berezhnoy *et al.*, Yad Fis. **69**, 107 (2006) [Phys. Atom. Nucl. **69**, 103 (2006)]. Books: A. Bohr and B. Mottelson, *Nuclear Structure* (Benjamin, New York, 1975), Vol.2. Preprints: L. A. Maslov, V. O. Nesterenko, and N. Yu. Sharikova, Report R4-83-811, JINR (Dubna, 1983). Conferences: R. R. Hilton *et al.*, in *Proceedings of the 1st International Spring Seminar on Nuclear Physics “Microscopic Approaches to Nuclear Structure”, Sorrento, 1986*, Ed. by A. Covelio (Bologna, Physical Society, 1986), p. 28.

Sequence of references to the list of references in the text of the article should be in a strictly numbered order of references in the text. The references are given in square brackets: [3], in the “LIST of REFERENCES” – without brackets.

4. Formulas and letter symbols of quantities are typed in italic (except vectors); function symbols (exp, ln, sin, etc.), chemical elements, abbreviations and terms are typed in normal font. Vector values are typed in bold without an arrow at the top. Indices derived from the surnames should be typed in regular font. Indices and exponents must be clearly below or above the row.

The formulas should explain the notation (the first appearance). The sequential numbering of the formulas is given on the right in parentheses: (3).

5. Figures are formatted separately from the article and numbered sequentially. Figures should be made in black–white graphics, with good resolution and at a scale that allows you to clearly distinguish labels, symbols and type of points. Figure should be limited to only two axes, enclose it in a frame is not necessary. Character fonts in the text and in the figure should be the same (normal, italic, etc. – typical error is using  $d\sigma/d\Omega$  instead of  $d\sigma/d\Omega$ ). The marking of vertical and horizontal scales should be noticeable in size and facing inside the figure. Curves – solid (bold and thin), dashed and dotted – should be well distinguished or indicated by italics figures. It is not recommended to clutter the picture with unnecessary detail: the frame must be removed; most of the inscriptions must be made in the caption and in the figure is replaced by numbers (italic font!). Inscriptions and units of measurement (in Russian) should be located horizontally – above the abscissa axis and under the ordinate axis at its end. If the drawing consists of several panels, each of them is indicated by italic letters *a*, *b*, *c*...

In case of borrowing a previously published drawing, it should be accompanied by permission of the copyright holders (author, publisher) for re-publication.

A list of figure captions is formatted on a separate page.

6. Tables are placed on separate pages.

7. The abstract in English for article in Russian or in Russian for article in English with the names and initials of all authors and the title of the article should be given on separate page.

Note. For articles typed in the LaTeX editor, you should use a style file (see support for authors on the site) <http://www.pleiades.online/en/authors/guidlines/prepare-electronic-version/tex-latex/>

The electronic versions of articles in Russian or English approved at the International conference “NUCLEUS-2019” must be sent to the editor of the journal “Physics of Atomic Nuclei” Professor N. S. Zelehska by E-mail: [ns-zelenskaya@yandex.ru](mailto:ns-zelenskaya@yandex.ru)

To fully check the article, proofreading will be sent to authors: Russian and – about a month after the Russian – English proofreadings will be sent to Russian authors; proofreading in English will be sent to foreign authors. After checking the proofreading, authors must immediately send their brief comments to the editorial board.