

## Instructions for authors

### The submission stage

The web-based submission (and resubmission), including via a preprint server, is preferred over other methods. The member of the Editorial Board or the Editor-in-Chief to whom the manuscript should be forwarded may be indicated in the submission form. Additionally authors are encouraged to suggest a list of possible referees (not more than 5). The content of your article should not be submitted simultaneously to another journal.

### Electronic submission

Global resulting Postscript or PDF files of articles are preferred. They should however be carefully tested for printing and compressed before submission.

- Authors are encouraged to submit their manuscripts electronically through the web (Inquiry System) at:

<https://articlestatus.edpsciences.org/is/epjh/>

- Authors can eventually submit their manuscript via e-mail, but only through the Editorial Office at:

[epjh@edpsciences.org](mailto:epjh@edpsciences.org)

\* The LaTeX2e macro package, designed especially for EPJ H, is available via anonymous ftp from: <ftp.edpsciences.org> in the directory `/pub/epj-h`

### Manuscript contents

All papers will be published in English. Both regular articles and reviews will be considered. The material presented in all EPJ H papers should be original. Material should be placed in the following order: title, author names, address of author institutions, shortened version of the title, abstract, text, acknowledgments, appendices, references, figure and table captions, figures, tables (unless they are paginated using EPJ macro package).

## Style guide

### Title

Title should be simple, concise and informative. A shortened version of the title consisting of a maximum of 70 characters (including spaces) for running headers should also be provided.

### Author(s) name(s) and affiliations

A list of all authors, as well as corresponding addresses, should be provided. Addresses should contain all information necessary for an effective mail delivery. E-mail, fax and telephone numbers should also be provided to speed up communication between Editorial Office, readers and authors. Only the e-mail address will be published.

### Abstract

An abstract should accompany each manuscript; it should be completely self-contained, not exceeding 200 words and written as a single paragraph. Mathematical expressions should be avoided.

### The acceptance stage

At this stage, the Editorial Office will ask for electronic files of text (LaTeX, TeX, Word) and figures matching exactly the accepted version. On receipt of the files, the Editorial Office will send an acceptance letter to the corresponding author.

Authors are informed that any missing element in an accepted article (electronic file of the text or of the figures or – in case of proper e-files of the figures not available – good quality laser printed figures) will delay the publication date. The Editorial Office will keep the paper **on a waiting list** until all missing material is received.

### The proof correction stage

Authors should keep in mind that reading proofs is **their responsibility**.

Files typeset using Word, Wordperfect, Macwrite, etc., need *heavy retyping* (equations and special characters are lost during the conversion process).

Also, LaTeX files are *slightly modified* by the production department to follow general presentation rules of the journal.

The main aim of proofreading is to correct errors that may have occurred during the production process, and **not to modify the contents of the paper**.

The proofs, once corrected, should be signed and returned to the publisher as soon as possible (by fax or e-mailing a list of corrections, by post).

### Offprints

Authors will receive the PDF file (with cover) of their article for free as soon as it is published. Paper reprints can be supplied on request by filling-in the order form sent out with the proofs.

### Main body of the paper

The body of the paper should be divided into sections (however, in short papers, sections may not be necessary). Sections should be numbered with Arabic (not roman) numerals. Subsections (second level) should be numbered 1.2, 1.3, etc., and sub-subsections (third level) 1.1.1, 1.1.2, etc. Appendices should be numbered A, B, etc. All sections must have a short descriptive title.

Equations, tables, figures, and references should follow a sequential numerical scheme in order to ensure a logical development of subject matter.

### Electronic-only material

Electronic-only material is designed to provide supplementary information which is either too voluminous for printing or is designed specifically for the Web.

Electronic-only material may include, but is not restricted to: (Large) tables; Appendices; Programmes; Images.

For more information on the submission of this material (file requirements, etc.), please contact the Production Office.

## Mathematical material

A standard typesetting procedure is followed by the production staff. For details, see the internationally agreed standards adopted by the International Union of Pure and Applied Physics (IUPAP) or defined by the International Organization of Standardization (ISO). However, authors should observe the following simple rules to help clarify the contents of mathematical material.

- The text should make clear distinctions between physical variables, mathematical symbols, units of measurement, abbreviations, chemical formulas, etc.
- Equations must be sequentially numbered. The number should appear in parentheses at the right-hand side of the page and referred to in the text as, e.g. (7).
- Italic and boldface should be used to identify physical or mathematical variables. Variables and physical constants such as the speed of light or the Boltzmann constant are to be set in normal italic. Vectors and tensors should be set in bold and sans-serif bold, respectively.
- Italic type should be avoided for the following:
  - Units of measurement (e.g., km, g, K,  $\text{cm}^{-2}$ ,  $\text{s}^{-1}$ ).
  - Mathematical signs such as sin, cos, log, exp, etc.
  - Chemical formulas.

## Footnotes

There are introductory footnotes (referring to authors new addresses, address of corresponding author, ...). These footnotes should appear at the bottom of the relevant page, indicated with the following symbols as superscripts: <sup>a</sup>, <sup>b</sup>, <sup>c</sup>, etc.

There are footnotes to text material, which should be restricted as far as possible, and which should be designated by numerical superscripts: <sup>1</sup>, <sup>2</sup>, <sup>3</sup>, etc. They should be placed at the foot the relevant page.

## Acknowledgments and appendices

The acknowledgment section should follow the main body of the paper and should precede any appendix.

Appendices should be numbered with A, B, etc. if there are more than one appendix (**Appendix A** or **Appendix A: Complex developments**, when there is a title). The appendix equations should be numbered consecutively, but separately from those in the main body of the paper ((A.1), (A.2), etc.). In each appendix, equations will be numbered separately ((B.1), (B.2), etc.).

## Figures

Each figure should be cited in the text. They must conform to the usual quality criteria given below. Authors should remember that the final printed quality of illustrations can never be better than the quality of the original artwork.

- *Good-quality figures have the following characteristics*
  - Parts of diagrams, graphs, ... should be clearly indicated by different types of hatching. Grey scales, which might get difficult to distinguish after reducing, or which often disappear during the printing process, should be avoided.

- Standard symbols which should be used inside a figure are:  $\square$ ,  $\triangle$ ,  $\circ$ ,  $+$ ,  $\bullet$ ,  $\star$ ,  $\blacksquare$ ,  $\blacklozenge$ ,  $\times$ .

- Labeling should be uniform in size throughout all figures.

- After reduction, all details of the figures should still be visible and all labeling legible.

### • *Scaling of artwork*

Figures are often reduced to 50% of their original size. The width of a figure can not exceed 13 cm (width of the text). The final size of capital letters or numerals in a figure usually lies within the range 1.6–2.3 mm to avoid any disproportion between figure/text character sizes.

### • *Color figures*

By default, figures appear in colour in the electronic version but they are published in black and white in the paper version of the journal.

If an author wishes to publish colour figures in the paper version, this will be at his expense. Authors having submitted colour figures and accepting a b/w version in print should satisfy themselves at the proof-reading stage that the b/w version is of satisfactory quality and no (ambiguous) reference is made to colour coding in the figure captions or in the main text.

We have the pleasure to inform you that it has been possible to reduce the prices of the colour figures: From now on, the price for one article is 600 euros tax free (whatever the number of figures).

## References

It is important to confirm the accuracy of bibliographic information in references. This has become more important with the online version. Hyperlinks will be programmed to enable readers to jump directly to the material cited. If your reference citations are incorrect or incomplete (e.g., missing author name, or an incorrect volume number or page), the associated hyperlinks may fail, and the usefulness of your paper in the online environment may be diminished.

References are normally cited in the text by placing the name of the first author and the year in brackets, without any comma between them. If there are more than two authors, only the first name should be given. If two or more citations are made in one set of brackets, they should be separated by a semi-colon. If more than one citation for a particular author (author group) is made for the same year, "a", "b", "c", etc. should be added to the year.

Authors' initials are permitted only in exceptional cases, for example, to distinguish between two authors with the same surname. Each literature citation made in the text should have a corresponding entry in the *References* at the end of the paper. The reference list should contain all the references cited in the text, ordered alphabetically by surname (with first name or by default initials following). If there are several references to the same first author, they should be entered according to the following scheme:

1. One author: chronologically
2. Author, one or more co-authors: alphabetically by co-author, then chronologically

The format for references is as follows: Author Name<sub>1</sub>, Firstname or by default initials<sub>1</sub>, Firstname or by default initials<sub>2</sub>, Name<sub>2</sub>, ... and Firstname or by default initials<sub>n</sub> Name<sub>n</sub>. year. Full title. *journal acronym in italic* **volume number in bold**: first and last page.

## Journals

Green, Charles. 2004. On unitary representations of the inhomogeneous Lorentz Group, Part 1. *Eur. Phys. J. D* **30**: 123-125

Haag, Robert and Eric Detley. 2010. Discussion of the 'axioms' and the asymptotic properties of a local field theory with composite particles. *Eur. Phys. J. H*, DOI: 10.1140/epjh/e2010-10041-3

Knoof, Marc, K. Smith and John Tiff. 2011. On infinite direct product. *Eur. Phys. J. H*, to be published

#### **Books**

Marsoin, J. 1987. *Molecular Dynamics*, edited by C. Brown, 2nd edn. Springer, Berlin

#### **Proceedings**

Patudin, K., Arnold Mars, R. Sabs and H. Jurgen. 1975. *Proceedings of the International Conference on Low*

*Temperature Physics, Madison*, edited by C. Brown, EDP Sciences, Les Ulis, p. 201

#### **Reports and Theses**

Smith, J.M. 1982. Brookhaven National Laboratory Report No. 110, unpublished

Smith, J.M. 1990. Ph.D. thesis, University of Paris XI

If available the DOI (Digital Object Identifier) of the cited literature should be added at the end of the reference.

IMPORTANT: To ensure that the CrossRef facility can hyper-link to the articles quoted in the bibliography, multiple references must not be used. I.e., a list of references under the same number is not allowed: each reference has to be singly numbered.