

Instructions for Authors of Papers Submitted for Publication in the Workshop Proceedings of the 12th Workshop on Electronics for LHC Experiments and Future Experiments (A4 page size variant)

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Abstract

The present document presents detailed instructions for the preparation using \LaTeX of manuscripts for publication in the proceedings of the 12th Workshop on Electronics for LHC Experiments and Future Experiments.

The final deadline for submission of contributions is the last day of the workshop: 29 September 2006.

Authors should submit a hard copy, the complete copyright form and an electronic file of their paper (PDF or PS version).

I. FORMAT OF THE MANUSCRIPT

Manuscripts must be printed on only one side of a page. The paper size must be either A4 (21.0 cm x 29.7cm) or U.S. letter (8.5 in x 11 in). With \LaTeX you can choose one of the two lines (`a4paper` or `letterpaper`) at the beginning of this example file. Most of the rules (dimensions, font sizes and characteristics, etc.) are automatically implemented by the `leccart` \LaTeX class file. In particular the document margins, as implemented by that class file, are those specified in Table 1.

Table 1: Margins specifications

Margins	A4	US Letter
Left / Right	1.4 cm	0.66 in / 0.66 in
Top	2.7 cm	0.36 in
Bottom	1.9 cm	0.75 in

A. Margins and Two-Column Format

The text of the articles is typeset in two columns. This is achieved by using the `multicols` environment, as follows.

```
\begin{multicols}{2}  
...  
\end{multicols}
```

Note that you can at any time go into one-column mode by ending the environment by the `\end{multicols}`, typeset a table or figure in full-width mode, then return on two-column mode by `\begin{multicols}{2}`.

Column width is implemented to be 8.83 cm or 3.48 in and spacing between the 2 columns 0.54 cm or 0.21 in.

B. Fonts

Please use only *Times* (in roman, bold or italic), *Symbol* and *Zapf Dingbats*. The main body text is typeset in a 10 point font.

C. Title of paper and Authors

The title must be centred, 14 point font, with upper and lowercase letters. Please *do not* use all uppercase letters. The initial(s) followed by the last name(s) of the author(s), their organisations, mailing addresses and email addresses should appear on separate lines (see the beginning of this document).

The title and authors section ends the initial one-column part. The rest of the document should be typeset, unless locally expressly overridden, in two-column mode, which is initiated as explained in Section A.. The first entry in the body of the article should be the abstract (implemented with the `abstract` environment).

D. Headings formats

The `leccart` class file implements the following style for the headings.

MAIN HEADINGS: 12 point font, LARGE AND SMALL CAPITALS, Centred, Roman numerals [I., II, III., etc.]

Subheadings: 12 point font, Italics, Left justified, Capital letters [A., B., C., etc.].

1) Sub-subheadings: 10 point font, Italics, Left justified, Arabic numerals [1), 2), 3) etc.].

Table 2 at the end of the document summarizes available \LaTeX commands and environments.

II. FIGURES AND TABLES

Place figures and tables as close as possible to where they are mentioned in the text. Tables and figures are given sequential numbers.

A. Table captions

Tables are identified by the `table` environment. Table captions are in a 9 point font and their text must be given as the argument of a `\caption` command that has to be placed *above* the table body (see, e.g., Table 1).

B. Figure captions

Figures are specified with the `figure` environment. Figure captions are in a 9 point font and their text should be specified as the argument of a `\caption` command that must be placed *below* the body of the figure (see Figure 1).

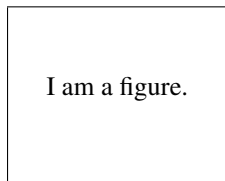


Figure 1: A figure caption

If needed, tables and figures may span the whole page. To achieve full-width tables or figures, you can exit the `multicols` environment, typeset the table or figure, before entering the `multicols` environment again, if needed. An example is Table 2 at the end of this article.

Photographs and figures must be imbedded into the file with a resolution of 600 dots/inch or higher. Save your pictures as EPS, PDF, TIFF, PNG or JPEG. In any case check their quality on your local printer at the final size you want to reproduce them in your article. Pay particular attention to colour images. Since the printed proceedings will be produced in black and white, please ensure that the readability of the text and patterns of your image is still guaranteed when printed in black and white.

III. HANDLING BIBLIOGRAPHIC REFERENCES

All bibliographical references are numbered and listed at the end of the paper in a section called “REFERENCES”, which is generated by a `thebibliography` environment. Refer-

ences in the text to a bibliographic entry are generated with a `\cite{key}` command, while inside the `thebibliography` environment the associated bibliographic information is entered with the help of `\bibitem{key}` entry. After two runs of \LaTeX on your file you should get reference numbers in square brackets. Three examples follow: [1], [2], and [3]. The order of appearance in the text and in the bibliography should be identical.

IV. PAGE NUMBERS

Do NOT paginate your manuscript. If you do, please number by hand on the back of each page.

V. LENGTH OF THE MANUSCRIPT

Up to 5 pages, including diagrams and references.

VI. INSTRUCTIONS

Instructions are available at the URL:

<http://ific.uv.es/lecc06>

REFERENCES

- [1] M. Letheren, S. Slaude (Editors), 11th Workshop on electronics for LHC and future experiments, CERN 2005-011 (2005)
- [2] M. Author *et al.*, *Nucl. Instrum. Methods Phys. Res.* **A457** (2001) 361.
- [3] S. Amato *et al.*, LHCb Technical Design Report, CERN/LHCC/2000-0036 (2000).

Table 2: Summary table of required \LaTeX commands.

Style	Command or environment
Title	<code>\title{Title of article}</code>
Authors' names	<code>\author{List of authors, affiliation, etc.}</code>
Output title	<code>\maketitle</code>
Abstract	<code>\begin{abstract} ... \end{abstract}</code>
Main heading	<code>\section{Section title}</code>
Subheading	<code>\subsection{Subsection title}</code>
Subsubheading	<code>\subsubsection{Subsubsection title}</code>
Table	<code>\begin{table} ... \end{table}</code>
Figure	<code>\begin{figure} ... \end{figure}</code>
Caption	<code>\caption{Text of caption}</code>
Reference (definition)	<code>\label{mykey}</code>
Reference (use)	<code>\ref{mykey}</code>
Bibliography	<code>\begin{thebibliography} ... \end{thebibliography}</code>
Bibliographic citation	<code>\cite{mybibkey}</code>
Bibliographic definition	<code>\bibitem{mybibkey} ...</code>