

The HEP-TITLE package^{*}

Extensions for the title page

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Abstract

The HEP-TITLE package extends the title macros of the standard classes with macros for a preprint, affiliation, editors, and endorsers.

To use the HEP-TITLE package include it with `\usepackage{hep-title}`.

Most macros are intended for the use in the preamble. They are implemented using the TITLING [1] and AUTHBLK [2] packages.

1 Macros

If the HYPERREF package is loaded the portable document format meta information is set according to the `\title{<text>}` and `\author{<text>}` information.

1.1 Title

`\series` The `\series{<series>}` places a series title above the usual title generated via `\title{<title>}`. The `\subtitle{<subtitle>}` macro places a subtitle below the usual title. The fonts and their size can be adjusted using the `\seriesfont{}`, `\titlefont{}`, and `\subtitlefont{}` macros.

`\seriesfont`

`\titlefont`

`\subtitlefont`

`\author` In order to facilitate multiple authors with different affiliations the AUTHBLK package [2] is extended. The author macro is extended to take a affiliation label `\author[<label>]{<name>}`. The affiliation macro takes the corresponding label `\affiliation[<label>]{<institution>}`. Additionally, the `\email{<email>}` macro places a link containing the email in typewrite font into a footnote. The fonts can be adjusted using the `\authorfont{}` and `\affiliationfont{}` macros. The following lines add e.g. two authors with different affiliations

`\affiliation`

`\affiliationfont`

`\editor` Additionally the `\editor[<label>]{<name>}` and `\endorser[<label>]{<name>}` macros are provided that act similar to the `\author[<label>]{<name>}` macros but place their content in a dedicated line. Their font can be adjusted by the `\editorfont{}` and `\endorserfont{}`.

The titles of these lines can be adjusted using the `\editortitle{<singular>}{<plural>}`

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and `\endorsertitle{<singluar>}{<plural>}` macros. Their font can be adjust with the `\editortitlefont{}` and `\endorsertitlefont{}`.

1.3 Abstract

- `abstract (env.)` The `abstract` environment is adjusted to not start with an indentation. The `abstract*` environment takes care of placing the title as well. This is used in `twocolumn` documents if the abstract should span both columns.

1.4 Preprint

- `\preprint` The `\preprint{<numer>}` macro places a pre-print number in the upper right corner of the title page. The `\preprintfont` macro can be used to change the font of the preprint.

A Implementation

<*package>

`\online` Provide the `\online{<text>}{<url>}` macro combining the features of the `\href` and the `\url` `\email` macros. Define a macro for typesetting emails.

```

1 \providetexttt{\online}[2]{\texttt{#2}}%
2 \providetexttt{\hep@email}[1]{\online{mailto:#1}{#1}}
3 \providetexttt{\email}{\hep@email}
4 \AtBeginDocument{@ifpackageloaded{hyperref}{%
5   \renewcommand{\online}[2]{\href{#1}{\nolinkurl{#2}}}}%
6 }{}%
7 }
```

`\hep@multi@ref` Transform reference list to list of references.

```

8 \newif\ifhep@first%
9 \newcommand*\hep@multi@ref[1]{%
10   \ifhep@firsttrue%
11     \forcsvlist{%
12       \ifhep@first\hep@firstfalse\else\textsuperscript,\fi\ref{%
13         }{#1}}%
14 }
```

Redefine the email macro for the title page.

```

15 \renewcommand{\email}[2][]{\unskip\thanks{#1}{\hep@email{#2}}}%
16 \AtBeginDocument{%
17   \let\hep@maketitle\maketitle
18   \renewcommand*\maketitle{\hep@maketitle\let\email\hep@email}%
19 }
```

A.1 Preprint and title

A.1.1 Preprint and Reprint

\reprintfont Define the \reprintfont macro.

```
20 \let\hep@reprint@font\relax
21 \newcommand*\reprintfont[1]{\def\hep@reprint@font{\#1}}
22 \reprintfont{\scshape\small}
```

\reprint Define the \preprint macro using the VARWIDTH package [3].

```
\doi
23 \let\hep@reprint\relax
24 \newcommand*\reprint[1]{
25   \@ifundefined{hep@reprint}{%
26     \gdef\hep@reprint{\#1}%
27   }{%
28     \apptocmd{\hep@reprint}{\#1}{}{}%
29   }%
30 }
31 \newcommand*\doi[1]{\reprint{\textsc{doi}: \online{https://doi.org/#1}{#1}}}
32 \newcommand*\hep@reprint@box{%
33   \begin{varwidth}{\textwidth}%
34     \hep@reprint@font\hep@reprint%
35   \end{varwidth}%
36 }
```

\preprintfont Define the \preprintfont macro.

```
37 \let\hep@preprint@font\relax
38 \newcommand*\preprintfont[1]{\def\hep@preprint@font{\#1}}
39 \preprintfont{\scshape\small\raggedleft}
```

\preprint Define the \preprint macro using the VARWIDTH package [3].

```
\arxiv
40 \RequirePackage{etoolbox}
41 \let\hep@preprint\relax
42 \newcommand*\preprint[1]{%
43   \@ifundefined{hep@preprint}{%
44     \gdef\hep@preprint{\#1}%
45   }{%
46     \apptocmd{\hep@preprint}{\#1}{}{}%
47   }%
48 }
49 \newcommand*\arxiv[1]{%
50   \preprint{\textsc{arXiv}: \online{https://arxiv.org/abs/#1}{#1}}%
51 }
52 \RequirePackage{varwidth}
53 \newcommand*\hep@preprint@box{%
54   \begin{varwidth}{\textwidth}%
55     \hep@preprint@font\hep@preprint%
56   \end{varwidth}%
57 }
```

\placepreprint Places a preprint number in the top right corner of the title page using the CALC [4], ATBEGSHI [5], \placereprint and PICTURE [6] packages.

```

58 \RequirePackage{calc}
59 \RequirePackage{atbegshi}
60 \RequirePackage{picture}
61 \newcommand*\{\placepreprint}{%
62   \AtBeginShipoutFirst{%
63     \put(
64       \textwidth+\oddsidemargin-\widthof{\hep@preprint@box},
65       -2pt-\topmargin-\heightof{\hep@preprint@box}
66     ){\normalfont\hep@preprint@box}
67   }
68 }
69 \newcommand*\{\placereprint}{%
70   \AtBeginShipoutFirst{%
71     \put(
72       \oddsidemargin ,
73       -2pt-\topmargin-\heightof{\hep@reprint@box}
74     ){\normalfont\hep@reprint@box}
75   }
76 }
```

A.1.2 Series

\series Define a series title.

```

77 \newcommand{\preseries}[1]{\def\hep@pre@series{\#1}}
78 \newcommand*\{\series}[1]{\def\hep@series{\#1}}
79 \newcommand{\postseries}[1]{\def\hep@post@series{\#1}}
```

\seriesfont Allow to change the fontface of the series title.

```

80 \let\hep@series@font\relax
81 \newcommand*\{\seriesfont}[1]{\def\hep@series@font{\#1}}
```

Set the default series title layout.

```

82 \preseries{\begin{center}\Large\hep@series@font}
83 \postseries{\par\end{center}}
```

A.1.3 Title

Extend the title using the TITLING package [1]. Fix the footnote indent.

```

84 \RequirePackage{titling}
85 \setlength{\thanksmarkwidth}{1.5em}
```

\maketitlehooka Place the preprint and the series title using \maketitlehooka.

```

86 \renewcommand*\{\maketitlehooka}{%
87   \placereprint\placepreprint\vspace{-\bigskipamount}%
88   \@ifundefined{\hep@series}{}{%
```

```

89      \hep@pre@series\hep@series\hep@post@series%
90  }%
91 %  \vspace{-\bigskipamount}%
92 }

```

`\titlefont` Allow to change the fontface of the title.

```

93 \let\hep@title@font\relax
94 \newcommand*\titlefont[1]{\def\hep@title@font{#1}}

```

Set default title layout.

```

95 \pretitle{\begin{center}\LARGE\hep@title@font}
96 \posttitle{\par\end{center}}

```

A.1.4 Subtitle

`\subtitle` Define a subtitle.

```

97 \newcommand*\presubtitle[1]{\def\hep@pre@sub@title{#1}}
98 \newcommand*\subtitle[1]{\def\hep@sub@title{#1}}
99 \newcommand*\postsubtitle[1]{\def\hep@post@sub@title{#1}}

```

`\subtitlefont` Allow to change the fontface of the subtitle.

```

100 \let\hep@subtitle@font\relax
101 \newcommand*\subtitlefont[1]{\def\hep@subtitle@font{#1}}

```

Set default subtitle layout.

```

102 \presubtitle{\begin{center}\Large\hep@subtitle@font}
103 \postsubtitle{\par\end{center}}

```

A.2 Authors and Editors

A.2.1 Editors

Define editors, similar to authors using the `AUTHBLK` package. Enable the handling of multiple authors with different affiliations using the `AUTHBLK` package [2].

```

104 \RequirePackage{authblk}
105 \newcounter{editors}
106 \newcommand\hep@editorlist{}
107 \newcommand*\hep@editors(){}
108 \cnamedef{hep@editor@sep1}{}
109 \cnamedef{hep@editor@sep2}{\Authand}

```

`\editor` Copy of the `authblk` author code adjusted for editors.

```

110 \newcommand*\editor[2][]{%
111   \ifnewaffil%
112     \addtocounter{affil}{1}%
113     \edef\AB@thenote{\arabic{affil}}%

```

```

114  \fi%
115  \if\relax#1\relax%
116    \def\AB@note{\AB@thenote}%
117  \else%
118    \def\AB@note{\#1}\setcounter{Maxaffil}{0}%
119  \fi%
120  \ifnum\value{editors}>1\relax%
121    \c@nameuse{hep@editor@sep\number\c@editors}{\Authsep}%
122  \fi%
123  \addtocounter{editors}{1}%
124  \begingroup%
125    \let\protect\@unexpandable@protect \let\and\AB@pand%
126    \def\thanks{\protect\thanks}\def\footnote{\protect\footnote}%
127    \c@temptokena=\expandafter{\hep@editors}%
128    \def\\{%
129      \protect\\[\@affilsep]\protect\Affilfont\protect\AB@resetsep%
130    }%
131    \xdef\hep@editor{\AB@blk@and#2}%
132    \ifnewaffil%
133      \gdef\AB@las{} \gdef\AB@lasx{\protect\Authand} \gdef\AB@as{}%
134      \xdef\hep@editors{\the\c@temptokena\AB@blk@and}%
135    \else%
136      \xdef\hep@editors{\the\c@temptokena\AB@as\AB@au@str}%
137      \global\let\AB@las\AB@lasx\gdef\AB@lasx{\protect\Authands}%
138      \gdef\AB@as{\Authsep}%
139    \fi%
140    \gdef\AB@au@str{\#2}%
141  }%
142  \c@temptokena=\expandafter{\hep@editorlist}%
143  \let\=\editorcr%
144  \xdef\hep@editorlist{%
145    \the\c@temptokena%
146    \protect\c@nameuse{hep@editor@sep\number\c@editors}%
147    \protect\Authfont#2%
148    \if\relax#1\relax\else%
149      \protect\hep@multi@ref{\AB@note}%
150    \fi%
151  }%
152  \endgroup%
153  \ifnum\value{editors}>2\relax%
154    \c@nameuse{hep@editor@sep\number\c@editors}{\Authands}%
155  \fi%
156  \newaffilfalse%
157 }

```

\editorfont Allow to change the fontface of the editors.

```

158 \let\hep@editor@font\relax
159 \newcommand*{\editorfont}[1]{\def\hep@editor@font{#1}}

```

```

\preditor Set editor style.

\posteditor
160 \newcommand{\preeditor}[1]{\def\hep@pre@editor{#1}}
161 \newcommand{\posteditor}[1]{\def\hep@post@editor{#1}}
162 \newcommand*{\editortitle}[2]{
163   \def\hep@editor@title{#1}
164   \def\hep@editor@title@pl{#2}
165 }
166 \newcommand*{\editortitlefont}[1]{\def\hep@editor@title@font{#1}}
167 \newcommand{\preeditortitle}[1]{\def\hep@pre@editor@title{#1}}
168 \newcommand{\posteditortitle}[1]{\def\hep@post@editor@title{#1}}
169 \editortitle{Editor}{Editors}
170 \editortitlefont{\itshape}
171 \preeditortitle{\hep@editor@title@font}
172 \posteditortitle{::}
173 \preeditor{%
174   \begin{center}%
175     \large\hep@editor@font\lineskip.5em%
176     \begin{tabular}[t]{c}%
177       \hep@pre@editor@title%
178       \ifnum\value{editors}>1\relax%
179         \hep@editor@title@pl%
180       \else%
181         \hep@editor@title%
182       \fi%
183       \hep@post@editor@title%
184     \%
185   \end{tabular}\par\end{center}%
186 \posteditor{\end{tabular}\par\end{center}}}
```

\maketitlehookb Show subtitle and editor.

```

187 \renewcommand*{\maketitlehookb}{%
188   \@ifundefined{hep@sub@title}{}{%
189     \hep@pre@sub@title\hep@sub@title\hep@post@sub@title%
190   }%
191   \smallskip%
192   \ifx\hep@editorlist\empty\else%
193     \hep@pre@editor\hep@editorlist\hep@post@editor%
194   \fi
195 }
```

A.2.2 Authors

\author Allow absent author field.

```
196 % \author{}
```

Switch authblk to a label ref system for affiliations using the XPATCH package [7].

```

197 \RequirePackage{xpatch}
198 \xpatchcmd{\author}{%
```

```

199   \protect\Authfont#2\AB@authnote{\AB@note}%
200 }{%
201   \protect\Authfont#2%
202   \if\relax#1\relax\else\unskip\protect\hep@multi@ref{\AB@note}\fi%
203 }{}{}
```

`\authorfont` Allow to change the fontface of the individual parts of the title.

```

204 \let\hep@author@font\relax
205 \newcommand*{\authorfont}[1]{\def\hep@author@font{#1}}
206 \renewcommand*\Authfont{\hep@author@font}
```

Set default author fontface.

```

207 \newcommand*{\authortitle}[2]{%
208   \def\hep@author@title{#1}
209   \def\hep@author@title@pl{#2}
210 }
211 \newcommand*{\authortitlefont}[1]{\def\hep@author@title@font{#1}}
212 \newcommand{\preauthortitle}[1]{\def\hep@pre@author@title{#1}}
213 \newcommand{\postauthortitle}[1]{\def\hep@post@author@title{#1}}
214 \authortitle{Author}{Authors}
215 \authortitlefont{\itshape}
216 \preauthortitle{\hep@author@title@font}
217 \postauthortitle{:}
218 \preauthor{%
219   \begin{center}%
220     \large\hep@author@font\lineskip.5em%
221     \begin{tabular}[t]{c}%
222       \ifnum\value{editors}>0\relax%
223         \hep@pre@author@title%
224         \ifnum\value{authors}>1\relax%
225           \hep@author@title@pl\else\hep@author@title%
226           \fi\hep@post@author@title%
227         \fi%
228       }%
229     \end{tabular}%
230   \postauthor{\end{tabular}\par\end{center}}}
```

A.2.3 Endorser

```

231 \newcounter{endorsers}
232 \newcommand\hep@endorserlist{}
233 \newcommand*\hep@endorsers{}%
234 \cnamedef{hep@editor@sep1}{}%
235 \cnamedef{hep@editor@sep2}{\Authand}
```

`\endorser` Copy of the authblk author code adjusted for endorsers.

```

236 \DeclareRobustCommand\endorser{%
237   \@ifnextchar[\{\hep@@endorser\}\hep@@@endorser\}%
238 }
```

```

239 \def\hep@@endorser[#1]#2{\hep@@@endorser[#1]{#2}}
240 \def\hep@@endorser#1{\hep@@@endorser{#1}}
241 \newcommand*\hep@@@endorser[2][]{%
242   \ifnewaffil%
243     \addtocounter{affil}{1}%
244     \edef\AB@thenote{\arabic{affil}}%
245   \fi%
246   \if\relax#1\relax%
247     \def\AB@note{\AB@thenote}%
248   \else%
249     \def\AB@note{#1}\setcounter{Maxaffil}{0}%
250   \fi%
251   \ifnum\value{endorsers}>1\relax%
252     \c@nd{hep@endorser@sep\number\c@endorsers}{\Authsep}%
253   \fi%
254   \addtocounter{endorsers}{1}%
255   \begingroup%
256     \let\protect\@unexpandable@protect \let\and\AB@pand%
257     \def\thanks{\protect\thanks}\def\footnote{\protect\footnote}%
258     \temptokena=\expandafter{\hep@endorsers}{%
259       \def\\{%
260         \protect\\[\@affilsep]\protect\Affilfont\protect\AB@resetsep%
261       }%
262       \xdef\hep@endorser{\AB@blk@and#2}%
263       \ifnewaffil%
264         \gdef\AB@las{} \gdef\AB@lasx{\protect\Authand} \gdef\AB@as{}%
265         \xdef\hep@endorsers{\the\temptokena\AB@blk@and}%
266       \else%
267         \xdef\hep@endorsers{\the\temptokena\AB@cas\AB@au@str}%
268         \global\let\AB@las\AB@lasx \gdef\AB@lasx{\protect\Authands}%
269         \gdef\AB@as{\Authsep}%
270       \fi%
271       \gdef\AB@au@str{#2}%
272     }%
273     \temptokena=\expandafter{\hep@endorserlist}%
274     \let\\=\endorsercr%
275     \xdef\hep@endorserlist{%
276       \the\temptokena%
277       \protect\c@nameuse{hep@endorser@sep\number\c@endorsers}%
278       \protect\Authfont#2%
279       \if\relax#1\relax\else%
280         \protect\hep@multi@ref{\AB@note}%
281       \fi%
282     }%
283   \endgroup%
284   \ifnum\value{endorsers}>2\relax%
285     \c@nd{hep@endorser@sep\number\c@endorsers}{\Authands}%
286   \fi%
287   \newaffilfalse%
288 }

```

```

\endorserfont
\preendorser
\postendorser 289 \let\hep@endorser@font\relax
290 \def\endorserfont#1{\def\hep@endorser@font{#1}}
291 \newcommand{\preendorser}[1]{\def\hep@pre@endorser{#1}}
292 \newcommand{\postendorser}[1]{\def\hep@post@endorser{#1}}
293 \def\endorser#1#2{
294   \def\hep@endorser@title{#1}
295   \def\hep@endorser@title@pl{#2}
296 }

\endorsertitlefont
\preendorser#1
\postendorser#1 297 \def\endorsertitlefont#1{\def\hep@endorser@title@font{#1}}
298 \newcommand{\preendorser#1}{\def\hep@pre@endorser@title{#1}}
299 \newcommand{\postendorser#1}{\def\hep@post@endorser@title{#1}}
300 \endorsertitle{Endorser}{Endorsers}
301 \endosertitlefont{\itshape}
302 \preendorser#1{\hep@endorser@title@font}
303 \postendorser#1{:}
304 \preendorser{%
305   \begin{center}%
306     \large\hep@endorser@font\lineskip.5em%
307     \begin{tabular}[t]{c}%
308       \hep@pre@endorser@title%
309       \ifnum\value{endorsers}>1\relax%
310         \hep@endorser@title@pl%
311       \else%
312         \hep@endorser@title%
313       \fi%
314       \hep@post@endorser@title%
315     \%
316   }%
317 \postendorser{\end{tabular}\par\end{center}}

```

A.2.4 Affiliation

Patch the \affiliation macro to comply with the label ref system.

```

318 \newcounter{affiliation}
319 \renewcommand*{\theaffiliation}{%
320   \textsuperscript{\normalfont\alph{affiliation}}%
321 }
322 \xpatchcmd{\affil}{%
323   \AB@affilnote{\AB@note}%
324 }{%
325   \protect\refstepcounter{affiliation}\protect\label{\AB@note}%
326   \if\relax#1\relax\else\protect\theaffiliation\fi%
327 }{}{%

```

\affiliationfont Allow to change the fontface of affiliation.

```

328 \let\hep@affiliation@font\relax
329 \newcommand*{\affiliationfont}[1]{\def\hep@affiliation@font{#1}}
330 % \newif\ifhep@lining\hep@liningtrue
331 % \ifhep@lining
332   \renewcommand*{\Affilfont}{\small\hep@affiliation@font}
333 % \else
334 %   \renewcommand*{\Affilfont}{\small\ostyle\hep@affiliation@font}
335 % \fi

```

\affiliation Define the \affiliation macro, ensure that linebreaks happen after a comma.

```

336 \newcommand*\hep@penalty{\if@twocolumn85\else50\fi}
337 \newcommand*\hep@active@comma{,\penalty-\hep@penalty\relax}
338 \newcommand*\hep@cat@comma@active{\catcode`\,,\active}
339 {\hep@cat@comma@active\gdef,{\hep@active@comma}}
340 \newcommand*\hep@affil[1]{%
341   \endgroup\@flushglue=Opt plus .5\linewidth\affil{#1}%
342 }
343 \def\hep@affil@opt[#1]#2{%
344   \endgroup\@flushglue=Opt plus .5\linewidth\affil[#1]{#2}%
345 }
346 \DeclareRobustCommand\hep@affiliation{%
347   \@ifnextchar[{\hep@affil@opt}{\hep@affil}%
348 }
349 \newcommand*{\affiliation}{%
350   \begingroup\hep@cat@comma@active\hep@affiliation%
351 }

```

Place endorser and affiliation

```

352 \renewcommand*{\maketitlehookc}{%
353   \ifx\hep@endorserlist\AB@empty\else%
354     \hep@pre@endorser\hep@endorserlist\hep@post@endorser%
355   \fi
356   \\[\affilsep]
357   \ifx\AB@affillist\AB@empty\else%
358     \ifnum\value{affil}>\value{Maxaffil}
359       \begin{center}\AB@affillist\end{center}%
360     \fi%
361   \fi%
362 }

```

\@author Ensure that affiliation is not set directly below author

```

363 \def\@author{%
364   \ifx\AB@affillist\AB@empty%
365     \AB@author%
366   \else%
367     \ifnum\value{affil}>\value{Maxaffil}
368       \def\rlap##1##1{%
369         \AB@authlist%

```

```

370 %      \\[\affilsep]\AB@affillist%
371   \else%
372     \AB@authors%
373   \fi%
374 \fi%
375 }

```

A.3 Date and Abstract

A.3.1 Date

\date Allow absent date field.

```
376 \date{\vspace{-4ex}}
```

\datefont Allow to change the fontface of the individual parts of the title.

```

377 \let\hep@date@font\relax
378 \newcommand*\datefont[1]{\def\hep@date@font{#1}}

```

Set the default date fontface.

```

379 \predate{\begin{center}\hep@date@font}
380 \postdate{\par\end{center}}

```

A.3.2 Abstract

abstract (*env.*) Adjust the abstract environment to not start with indentation.

```

381 \@ifundefined{abstract}{}{%
382   \let\hep@abstract\abstract%
383   \renewcommand*\abstract{\hep@abstract\noindent\ignorespaces}%
384   \let\hep@key@words\relax
385   \newcommand*\keywds[1]{\def\hep@key@words{#1}}%
386   \AtBeginDocument{\@ifundefined{\hep@key@words}{}{%
387     \let\hep@end@abstract\endabstract%
388     \renewcommand*\endabstract{%
389       \par\medskip\noindent\textit{Keywords: }\hep@key@words}%
390     \hep@end@abstract%
391   }%
392 }}%

```

abstract* (*env.*) Add a abstract* environment for two column mode taking also care of placing the title using the ENVIRON [8] and ABSTRACT [9] packages.

```

393 \if@twocolumn
394   \RequirePackage{environ}
395   \RequirePackage{abstract}
396   \renewcommand*\abstitleskip{-3ex}
397   \NewEnviron{abstract*}{%
398     \twocolumn[\maketitle\vspace{-5ex}%
399     \begin{onecolabstract}\noindent\BODY\end{onecolabstract}%
400     \vspace{.5cm}]\saythanks%

```

```

401      }%
402  \else
403    \newenvironment{abstract*}{%
404      \maketitle\begin{abstract}%
405    }{%
406      \end{abstract}%
407    }
408 \fi
409 }
```

A.4 Thanks

\thanks Redefine thank to have a optional argument for a reference label.

```

410 \let\hep@thanks\thanks
411 \AtEndDocument{\let\thanks\hep@thanks}
412 \DeclareRobustCommand\thanks[2] []{%
413   \AfterEndPreamble{%
414     \if\relax#1\relax%
415       \footnotemark%
416     \else%
417       \renewcommand*\thefootnote{\textsuperscript{\@fnsymbol\c@footnote}}%
418       \protect\refstepcounter{footnote}\protect\label{#1}%
419       \renewcommand*\thefootnote{\arabic\c@footnote}%
420     \fi%
421     \protected@xdef\@thanks{%
422       \@thanks\protect\footnotetext[\the\c@footnote]{#2}%
423     }%
424     \if@twocolumn
425       \protected@xdef\@bs@thanks{%
426         \@bs@thanks\protect\footnotetext[\the\c@footnote]{#2}%
427       }%
428     \fi%
429   }%
430 }
```

</package>

B Test

```

<*testone|testtwo>

431 %<testone>\documentclass{article}
432 %<testtwo>\documentclass[twocolumn]{article}
433
434 %% \usepackage[lang=english]{hep-paper}
435 \usepackage[math]{blindtext}
436 \usepackage{hep-title}
437 \usepackage{hyperref}
438 \def\BackrefFootnoteTag{}\usepackage{footnotebackref}
439
```

```

440 \doi{10.1234/5678}
441
442 \arxiv{1234.5678}
443
444 \preprint{Preprint}
445
446 \series{Series}
447
448 \title{Title}
449
450 \subtitle{Subtitle}
451
452 \editor[one]{First Editor}
453 \editor[one,two,second]{Second Editor}
454 \email[second]{second@mail.com}
455 \editor[one,two,three]{Third Editor \email{third@mail.com}}
456
457 \author[three,four]{First Author}
458 \author[fourth, two,four,thanks]{Second Author}
459 \email[fourth]{fifth@mail.com}
460 \thanks[thanks]{Thanks}
461 \author[two,three,four]{Third Author \email{sixth@mail.com}}
462 \author{Fourth Author}
463
464 \endorser[four]{First Endorser}
465 \endorser[five]{Second Endorser}
466 \endorser{Third Endorser}
467
468 \affiliation[one]{First Affiliation}
469 \affiliation[two]{Second Affiliation}
470 \affiliation[three]{Third Affiliation}
471 \affiliation[four]{Fourth Affiliation}
472 \affiliation[five]{Fifth Affiliation}
473
474 \date{Date}
475
476 \keywords{Keyword 1, keyword 2, keyword 3}
477
478 \begin{document}
479 %<testone>
480 %<testone> \maketitle
481
482 %<testone>\begin{abstract}
483 %<testtwo>\begin{abstract*}
484 \blindtext
485 %<testone>\end{abstract}
486 %<testtwo>\end{abstract*}
487
488 \noindent First page footnote.\footnote{Footnote}
489

```

```

490 \blinddocument
491
492 \end{document}

</testone|testtwo>


```

C Readme

```

<*readme>

493 # The ‘hep-title’ package
494
495 Extensions for the title page
496
497 ## Introduction
498
499 The ‘hep-title’ package extends the title macros of the standard classes
500 with macros for a preprint, affiliation, editors, and endorsers.
501
502 To use the ‘hep-title’ package include it with ‘\usepackage{hep-title}’.
503
504 ## Author
505
506 Jan Hajer
507
508 ## License
509
510 This file may be distributed and/or modified under the conditions of the
511 ‘LaTeX’ Project Public License, either version 1.3c of this license or
512 (at your option) any later version. The latest version of this license is
513 in ‘http://www.latex-project.org/lppl.txt’ and version 1.3c or later is
514 part of all distributions of LaTeX version 2005/12/01 or later.

</readme>

```

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