

The HEP-BIBLIOGRAPHY package*

Bibliographies for high energy physics

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Abstract

The HEP-BIBLIOGRAPHY package configures BIBLATEX for high-energy physics publications. It adds the INSPIREHEP data fields used in HEP bibliographies, citation back-links from bibliography labels, source maps for common BibTeX variants, erratum handling, and eprint formats for arXiv, PubMed, code-hosting, and package repositories.

The package can be loaded via `\usepackage{hep-bibliography}`.

style The `style=<name>` option selects the BIBLATEX style passed to `\RequirePackage{biblatex}`. The default is `numeric-comp`.

`\bibliography` The BIBLATEX package [1] is loaded for bibliography management. The user has to add the line `\bibliography{<my.bib>}` to the preamble of the document and `\printbibliography` at the end of the document. The bibliography is generated by BIBER [2]. `biblatex` is extended to read the `collaboration` and `reportNumber` fields provided by inspirehep.net, to normalise selected volume, issue, URL, and PubMed data, and to link bibliography labels back to the first citation. Additionally, arXiv, PubMed, PubMed Central, ctan.org, github.com, gitlab.com, bitbucket.org, launchpad.net, sourceforge.net, and hepforge.org are valid eprinttypes.

`\online` The `\online{<url>}{<text>}` macro prints link text that becomes a hyperlink if `HYPERRREF` is loaded. The `\email{<address>}` macro is a mail link wrapper using the same fallback.

`\email`

`commalist (env.)` The `commalist` environment typesets `\item`-separated entries as a comma-separated list with a final ‘and’.

erratum Errata can be included using the `related` feature.

```
\article{key1,
  ...,
  relatedtype="erratum",
  related="key2",
}
\article{key2,
  ...,
}
```

References

- [1] P. Lehman, J. Wright, A. Boruvka, and P. Kime. ‘The `biblatex` Package: Sophisticated Bibliographies in L^AT_EX’ (2006). CTAN: `biblatex`. GitHub: `plk/biblatex`.

*This document corresponds to HEP-BIBLIOGRAPHY v1.5.

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- [2] F. Charette and P. Kime. ‘biber: Backend processor for BibL^AT_EX’ (2009). GitHub: [plk/biber](#). SourceForge: [biblatex-biber](#).