The HEP-BIBLIOGRAPHY package*

Biblatex setup with INSPIRE fields, eprint links, errata and citation back-links

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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`. An empty style, `style=`, disables the loading of BIBLATEX; the BIBLATEX settings below are then only applied if BIBLATEX has been loaded before HEP-BIBLIOGRAPHY.

`\bibliography` `\printbibliography` 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 `eprinttype`s.

`\online` `\email` The `\online{`⟨*url*⟩`}{`⟨*text*⟩`}` macro prints link text that becomes a hyperlink if HYPERREF is loaded. The `\email{`⟨*address*⟩`}` macro is a mail link wrapper using the same fallback.

`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,
  ...,
}
```

*This document corresponds to HEP-BIBLIOGRAPHY v1.6.

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References

[1] P. Lehman, J. Wright, A. Boruvka, and P. Kime. 'The `biblatex` Package: Sophisticated Bibliographies in LaTeX' (2006). CTAN: `biblatex`. GitHub: `plk/biblatex`.

[2] F. Charette and P. Kime. 'biber: Backend processor for BibLaTeX' (2009). GitHub: `plk/biber`. SourceForge: `biblatex-biber`.