The HEP-GRAPHIC package*
Plot macros

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2023/07/01

Abstract

The HEP-GRAPHIC is a convenience wrapper for the PGF/TIKZ, PGFPLOTS, and STANDALONE packages.

1   Graphic

After loading the `hep-graphic` package the PGF/TIKZ [1] and STANDALONE [2] packages are loaded and externalisation is activated. The `plot` and `feynman` options load the neccessary packages for plotting and feynman diagrams. The macro `\includetikz[⟨width⟩]{⟨name⟩}` loads `tikz` pictures.

1.1   Plot

The HEP-PLOT package loads the PGFPLOTS package [3] and applies some optimisation.

1.2   Feynman

The HEP-FEYNMAN package loads the TIKZ-FEYNMAN package [4] and applies some optimisation.

References

[1] T. Tantau and H. Menke. 'The `pgf` package: Create PostScript and PDF graphics in TEX' (2005). CTAN: `pgf`.

[2] M. Scharrer. 'The `standalone` package: Compile TEX pictures stand-alone or as part of a document' (2010). CTAN: `standalone`.

[3] C. Feuersänger. 'The `pgfplots` package: Create normal/logarithmic plots in two and three dimensions' (2007). CTAN: `pgfplots`.

[4] J. Ellis. 'The `pgf` package: Feynman diagrams with TikZ' (2016). CTAN: `tikz-feynman`.

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*This document corresponds to HEP-GRAPHIC v1.0.

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