

The boost-histogram package

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The boost-histogram library provides first-class histogram objects in Python. You can compose axes and a storage to fit almost any problem. You can fill, manipulate, slice, and project them, and pass them between other Scikit-HEP libraries like Uproot4, mplhep, and histprint. Boost-histogram is meant to be the “NumPy” of histogram libraries that others can build on; the “pandas” of histograms is “Hist”, a physicist friendly front-end that extends and expands boost-histogram to do plotting and more. An early version of Hist is shown for the first time here.

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