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PyROOT: Redesign and New Features

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With Python already established as a key player in scientific computing, the interest for the language in HEP has been growing over the last years. In order to address that demand, the ROOT Python bindings (PyROOT) are being modernised and extended. A new experimental PyROOT has been created by leveraging Cppyy, which provides the basic bleeding edge functionality for generating automatic Python bindings for C++ libraries. On top of Cppyy, PyROOT adds the so-called ROOT pythonizations: code that provides simpler and more pythonic ways of accessing ROOT C++ classes from Python. This talk will present the most recently added pythonizations together with the current status and future of the experimental PyROOT.

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