



uproot

Reading and writing
ROOT files (just I/O)

Awkward Array

Manipulating arrays
with nested structure
(not HEP-specific)

vector

2D, 3D, & Lorentz vectors

hep-tables

DataFrame for
nested structure

Boost istogram & hist!

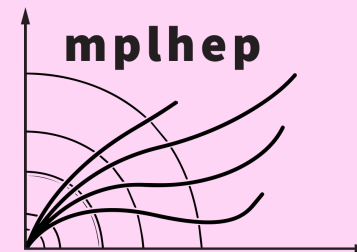
Histogramming



Coffea

(/'kɔʊ.fi/)

NanoEvents,
Lorentz vectors,
Correction functions,
Distributed processing...



Plotting

ServiceX

Remote data

func-adl

Remote queries

SSL

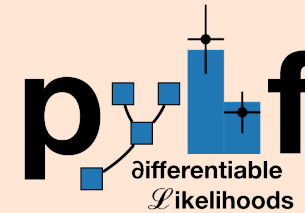


iminuit

Raw minimization

zfit

Curve fits



HistFactory-style fits

hepstats

Statistical tools



Particle

Pythonic PDG