



uproot

Reading and writing
ROOT files (just I/O)

func-adl

Remote queries

ServiceX

Remote data

SSL



Coffea

(/'kɔ.fi/)

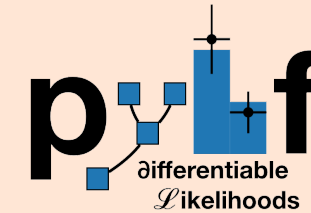
NanoEvents,
Lorentz vectors,
Histogramming,
Correction functions,
Distributed processing...

iminuit

Raw minimization

zfit

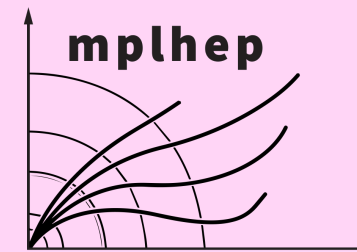
Curve fits



HistFactory-style fits

hepstats

Statistical tools



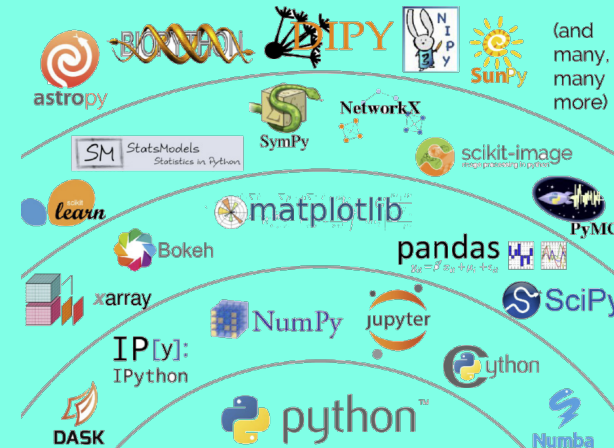
Plotting

Boost istogram & hist!

Histogramming

Particle

Pythonic PDG



(and many, many more)

Awkward Array

Manipulating arrays
with nested structure
(not HEP-specific)

hep-tables

DataFrame for
nested structure

vector

2D, 3D, & Lorentz vectors