



**uproot**  
Reading and writing  
ROOT files (just I/O)

**ServiceX**  
Remote data

**func-adl**  
Remote queries

**SSL**

**DOMA Networks**

**Awkward  
Array**  
Manipulating arrays  
with nested structure  
(not HEP-specific)

**Coffea**  
(/'kɔ.fi/)  
NanoEvents,  
Lorentz vectors,  
Correction functions,  
Distributed processing...

**iminuit**

**zfit**

**pylf**  
differentiable  
Likelihoods

**hepstats**

**hep-tables**  
DataFrame for  
nested structure

**mplhep**  
Plotting

**vector**  
2D, 3D, & Lorentz vectors

**Boost  
istogram  
& hist!**  
Histogramming

**Particle**  
Pythonic PDG

