# The development of coffea schemas

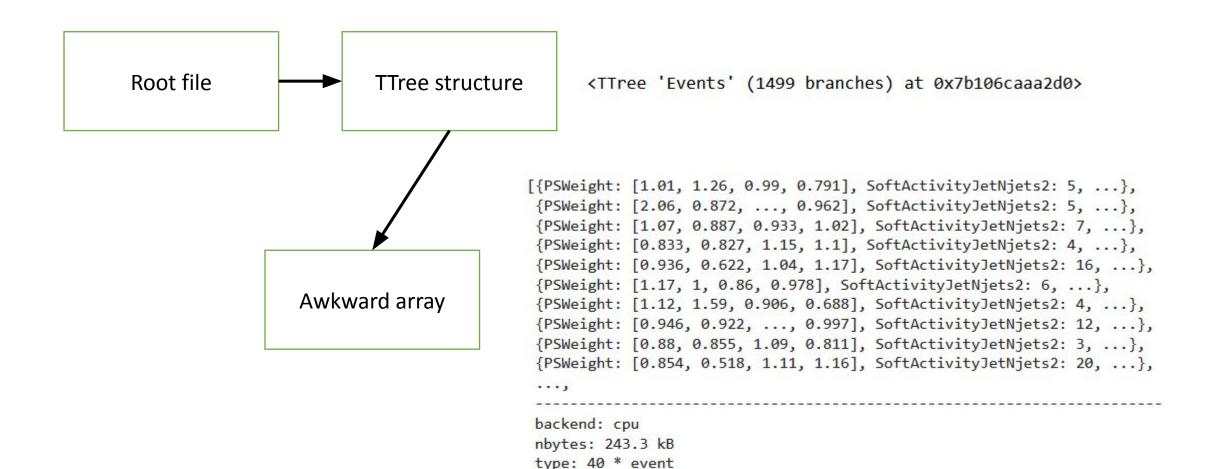
This project is being made by the support of IRIS-HEP program

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order is random)

#### Coffea hands-on example



#### Coffea schemas

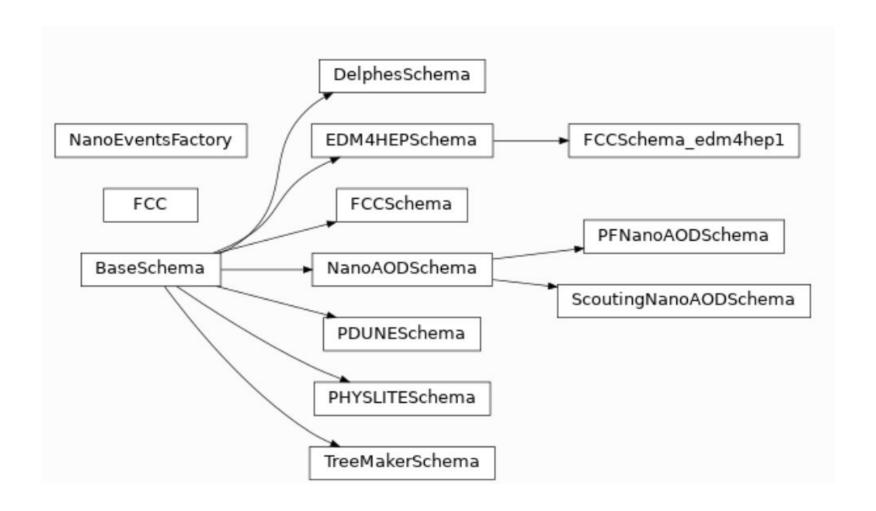
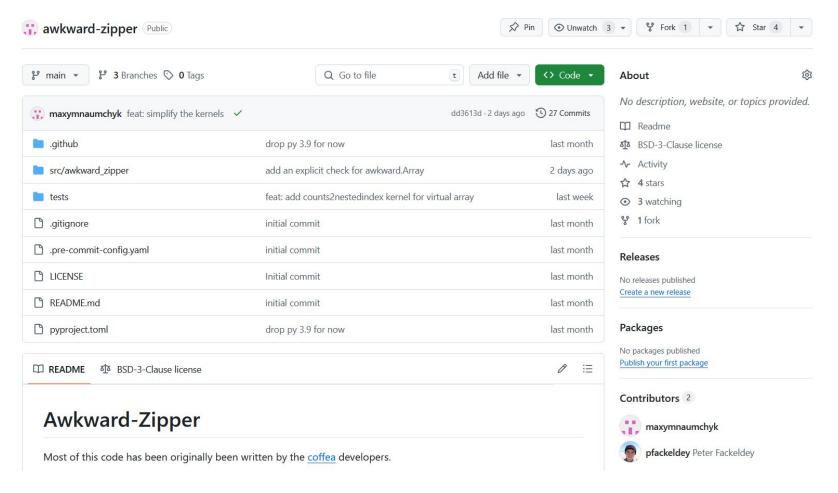


Image link: https://coffea-hep.readthedocs.io/en/latest/modules/coffea.nanoevents.html#classes

### Awkward-zipper



Link: https://github.com/maxymnaumchyk/awkward-zipper

#### Advantages of a standalone package

- Smaller package
- Only a few dependencies
- Improvements(simplifications) in how the 'schemas' work internally (makes it easier for users to create their own 'schemas')

#### Plans of development

Nanoaod format works with eager(materialized) arrays

I'm currently here ->

- Nanoaod format works with virtual(not materialized) arrays
- Nanoaod format works with dask-awkward
- Awkward zipper supports all 'schemas' from coffea

## Thank you for attention!