

FHist.jl – status of v0.11

Monday 30 September 2024 12:00 (15 minutes)

We share a status update on the histogramming package FHist.jl, which started out as a course final project but grew to be production-grade and is used in real ATLAS analysis.

We briefly go over the feature and performance of FHist.jl, including the core features as seen in ROOT's TH* classes, as well as axillary features such as integration with Plots.jl and Makie.jl.

Finally, we briefly discuss possible future directions of the project and potential nice-to-have enhancements (named axis, write to disk, GPU) and integrations (statistical fitting, distribution/pdf).

Author: LING, Jerry ✉ (Harvard University (US))

Presenter: LING, Jerry ✉ (Harvard University (US))

Session Classification: Talks