GlueX Software Documentation

Benedikt Zihlmann

Goal

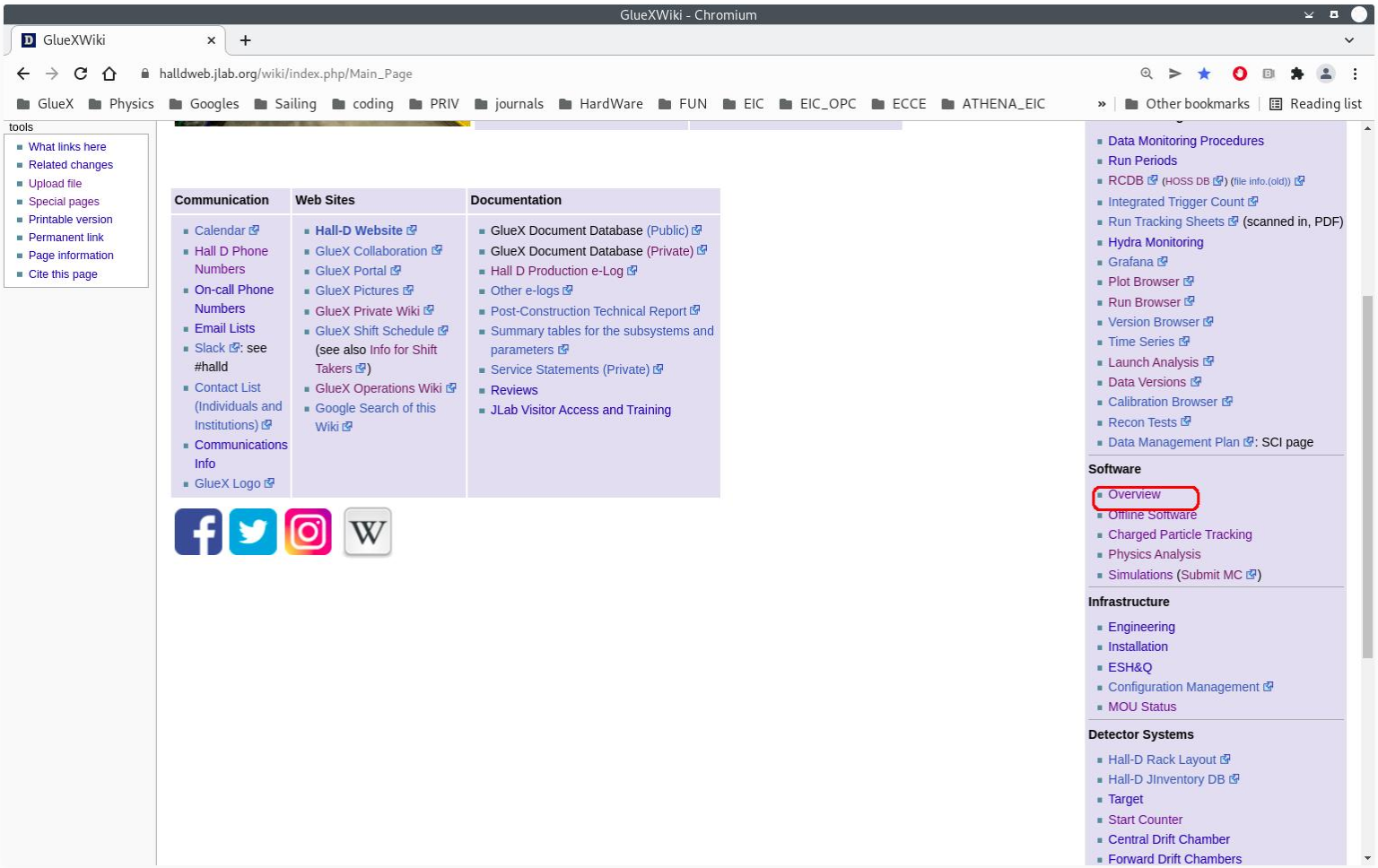
The goal of the documentation effort is to provide a single point of entry from which any information about the GlueX software, and data analysis in general, can be found.

A lot of documentation already exists, but it is incoherently distributed over many sources:

- GlueX wiki pages: dynamic evolution, some old, some obsolete, hard to navigate or find
- GlueX DocDB: Documentations, presentations, hard to find
- GlueX Workshops
- GitHub: Code itself, Readme files, wiki pages
- others: overleaf, ...

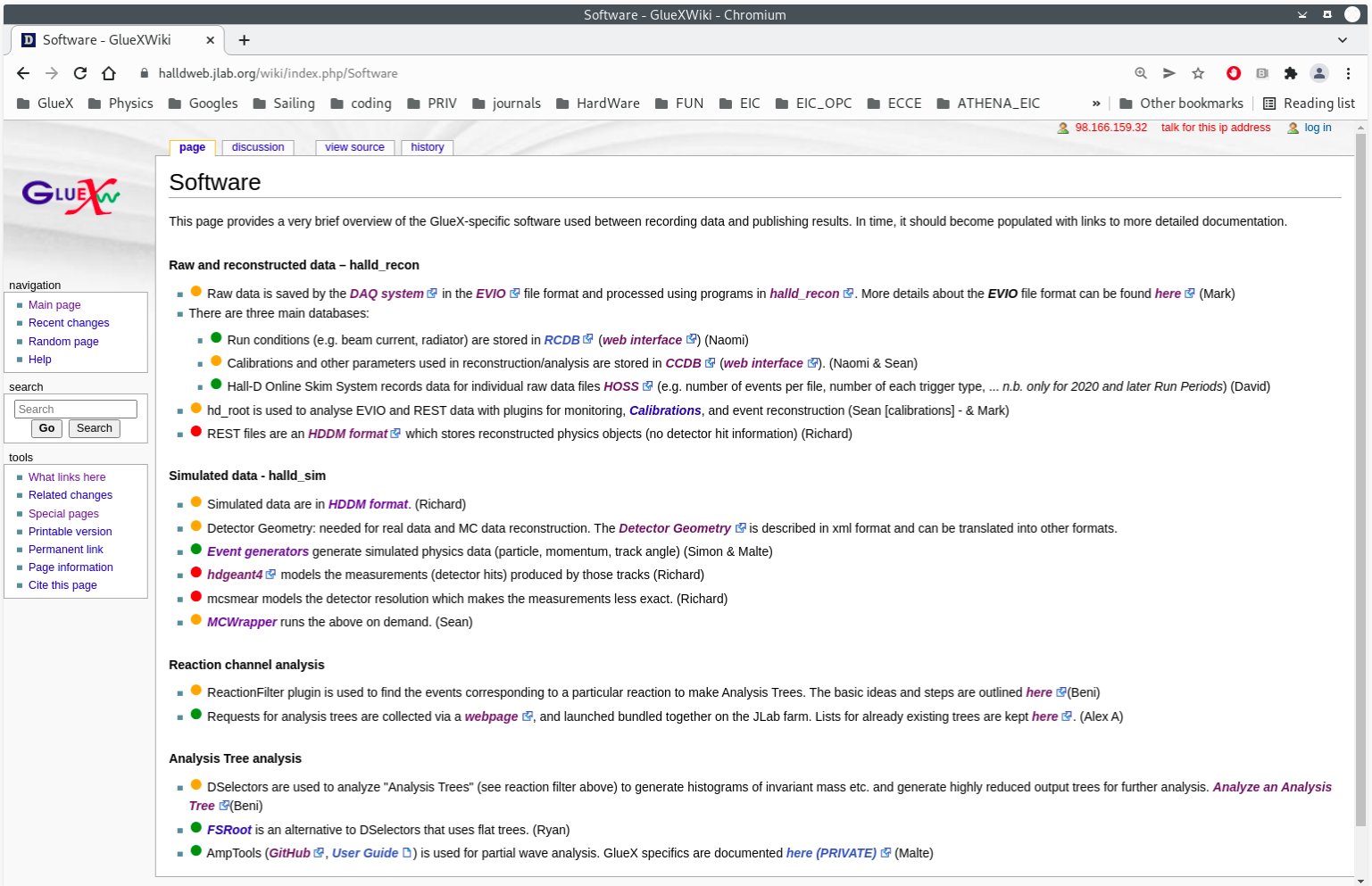
Single Point of Entry

From our main GlueX wiki page navigate to the starting point of all software related documentation:



Single Point of Entry

Start of any search of documentation:



Four major Topics

- Data reconstruction: **hd_recon**, charged and neutral particles, ...
- Data simulation: **hd_sim**, MC simulations, HDGeant4, ...
- Reaction channel Analysis: Reaction Filter, definition of an event reaction, Physics Analysis Root Tree
- Data Analysis of Physics Analysis Root Tree: DSelector, FSRoot, Amptools, ...
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Ultimate goal: Any question can be answered by following the bread crumbs of this page and its links.

Current Status

- Main Contact: Each topic has a name associated with it
- Status "Bar": green does not mean complete, only "there is more then just one thing"
- Interaction: use "discussion" menu at the top for requests, comments, ect.
- IMPORTANT: This entry page should stay small, only one page, no scrolling needed!
- Current Action: Go through each topic to evaluate what is there and what is missing, starting with DSelector.
- ..... never ending story.