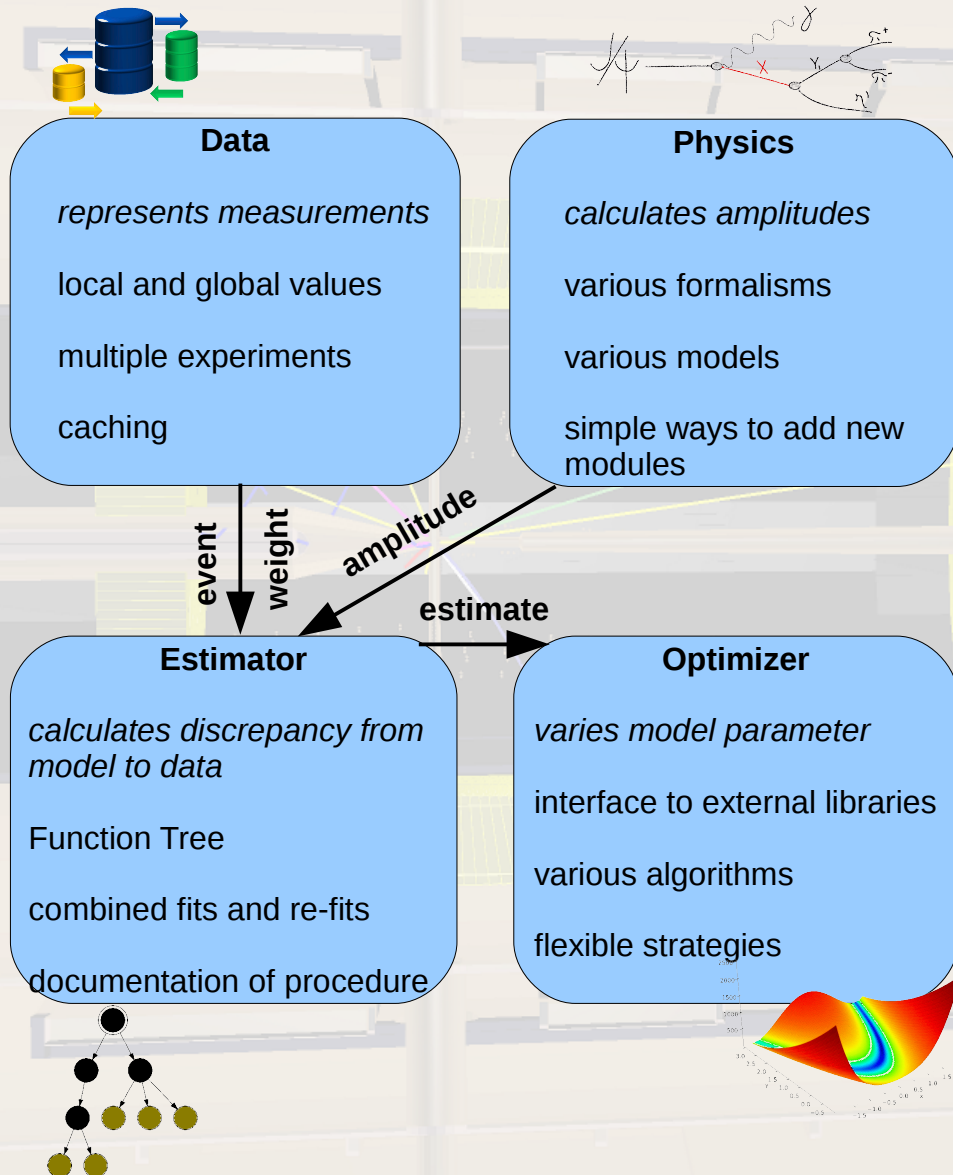


# ComPWA



ComPWA is an independent, flexible and modular amplitude analysis framework. Its design allows it to:

- Be used for various experiments and perform combined analyses
- Have various amplitude models with any kind of formalism
- Perform special analysis like meta fits or model independent fitting
- Switch between optimization routines to find the best one for your task

ComPWA is C++ based with minimal dependence on third party libraries, it is documented and publicly available at [github](https://github.com).

# ComPWA

## Status:

- Core functionality and interfaces designed and available
- First analysis of BESIII data ongoing (Dalitz plot fit)
- MC studies for a model independent parameter extraction performed

## Outlook:

- Helicity amplitude generator using expert systems in preparation
- Parallelization via Geneva library present, other methods in development
- User interface and fit documentation still rudimentary

<https://github.com/ComPWA/ComPWA>