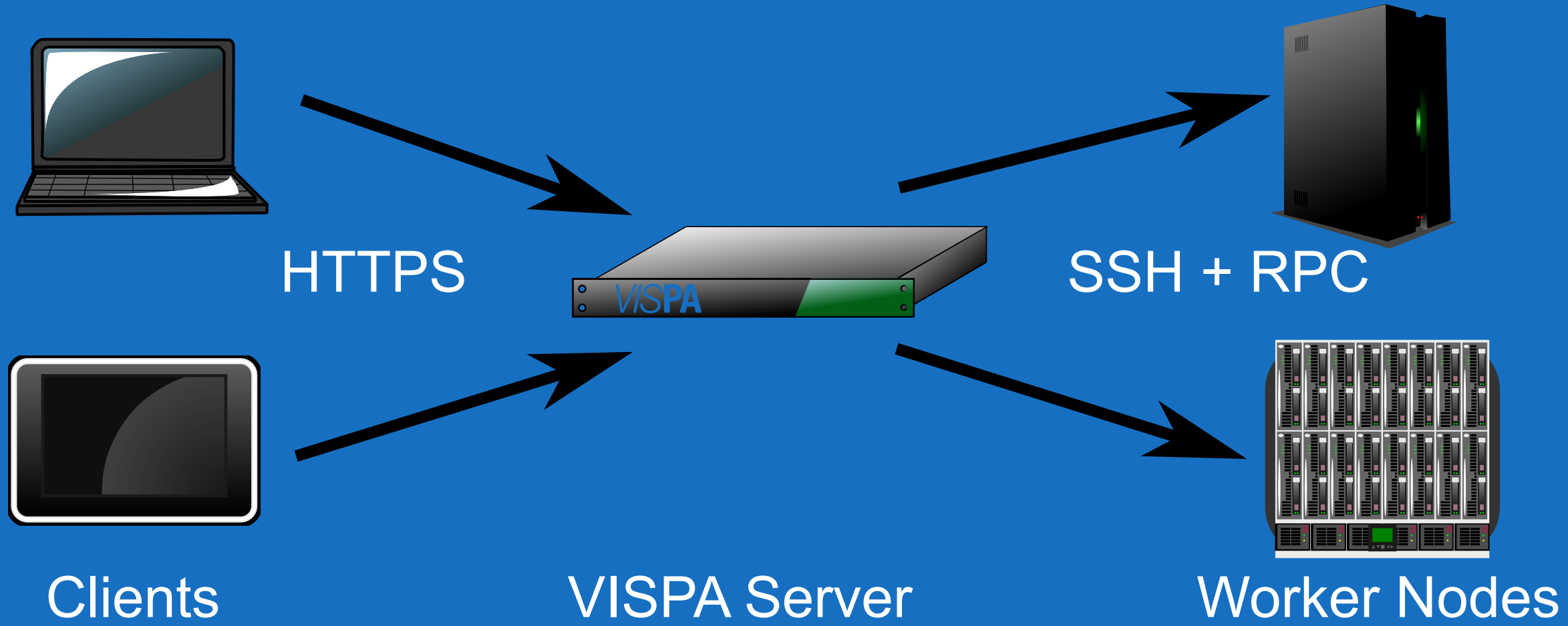
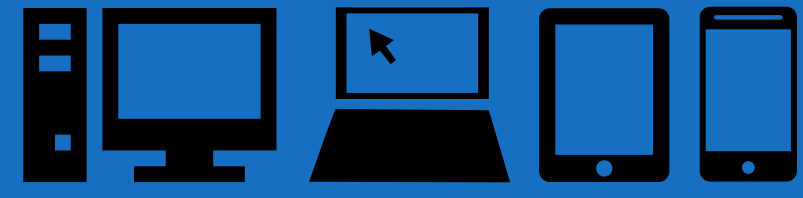


Data Analysis in a Web Browser

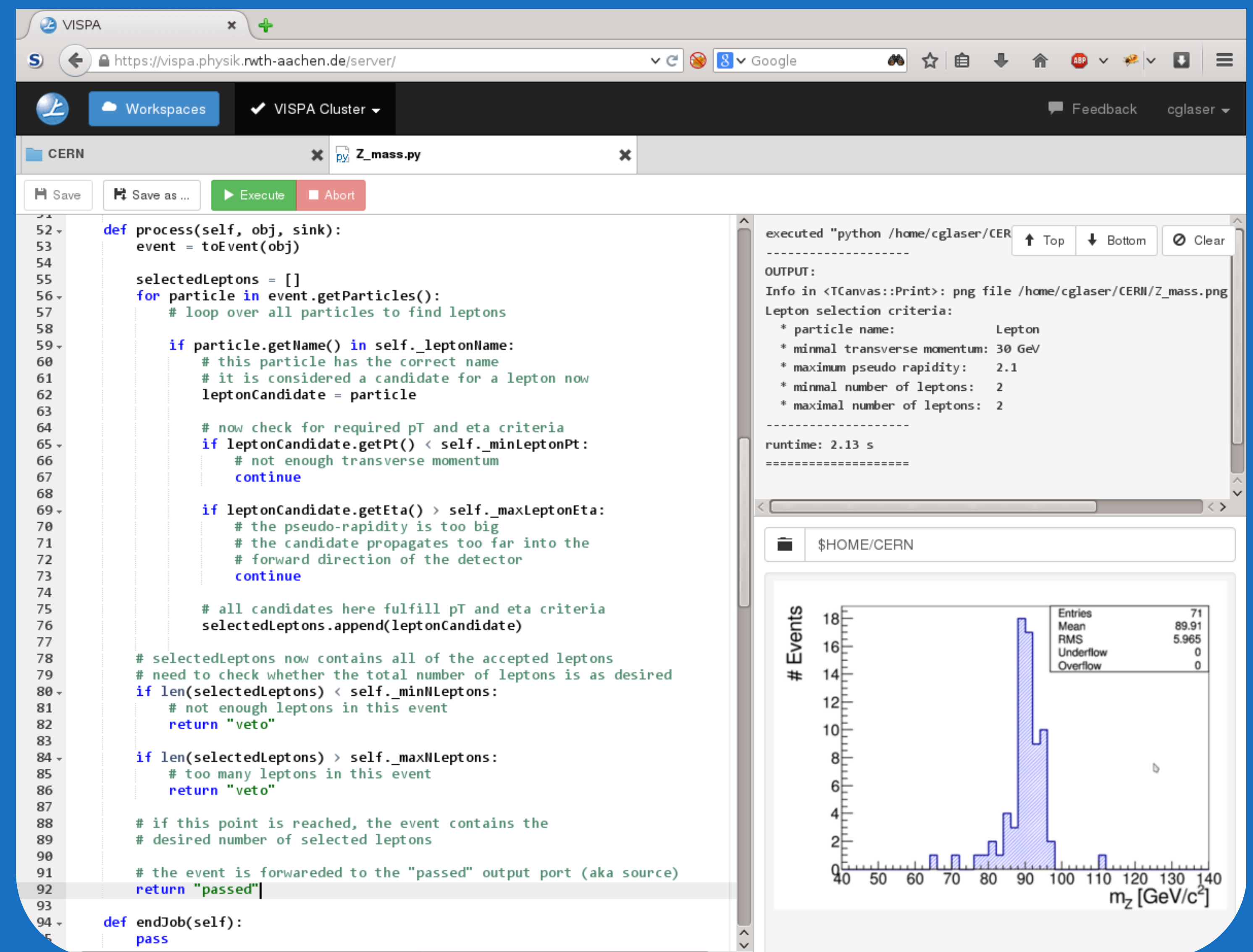
- Graphical front-end to your infrastructure
 - Makes your software, data and computing resources available through the web
 - Usable from any system
- Base functionality provided
 - User management
 - Apps: file browser, terminal, code editor
- System is extendable with own apps using most common web technologies
 - HTML5, CSS3, jQuery, bootstrap, template rendering
- Scalable



- Every computer supporting SSH + Python can be used as worker
- Bootstrap method: worker is configured automatically

What's new?

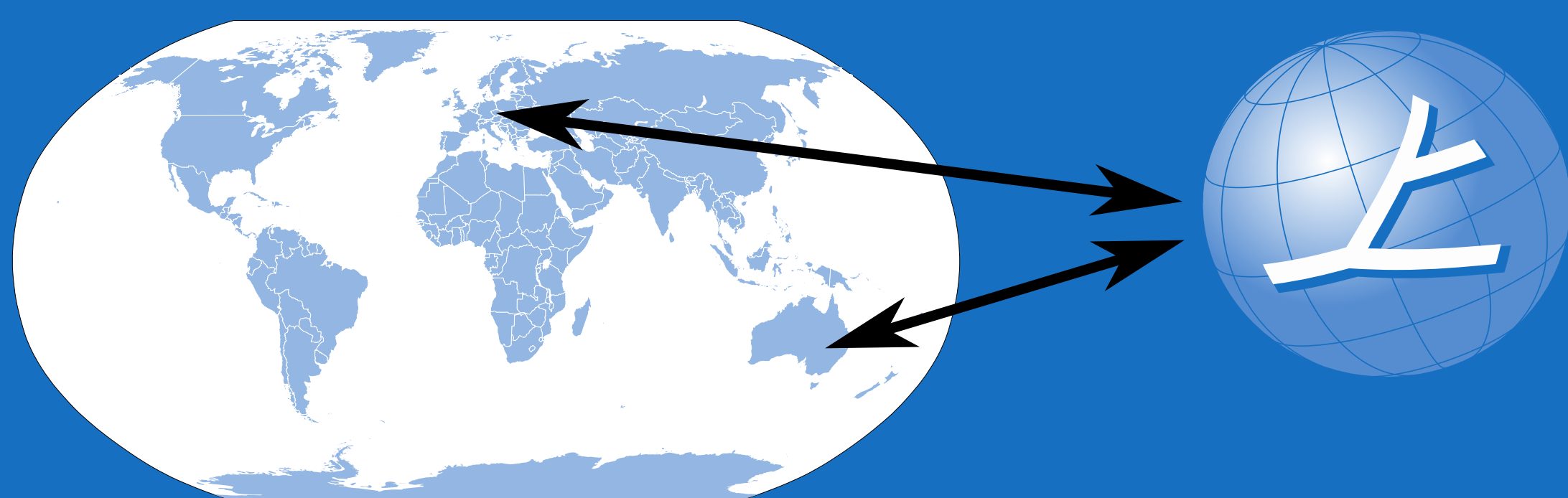
- Complete GUI redesign
 - Look and feel of a desktop software
 - Frequently used operations are accessible with a single mouse click or a shortcut
- Preference system for individual taste
- Code editor with direct Python script execution



Use cases

Collaborative analysis

- Review and execute a colleague's analysis with just one click
- Joint analyses:
 - Directly on shared files or through a repository
 - No separate system setup necessary



University education

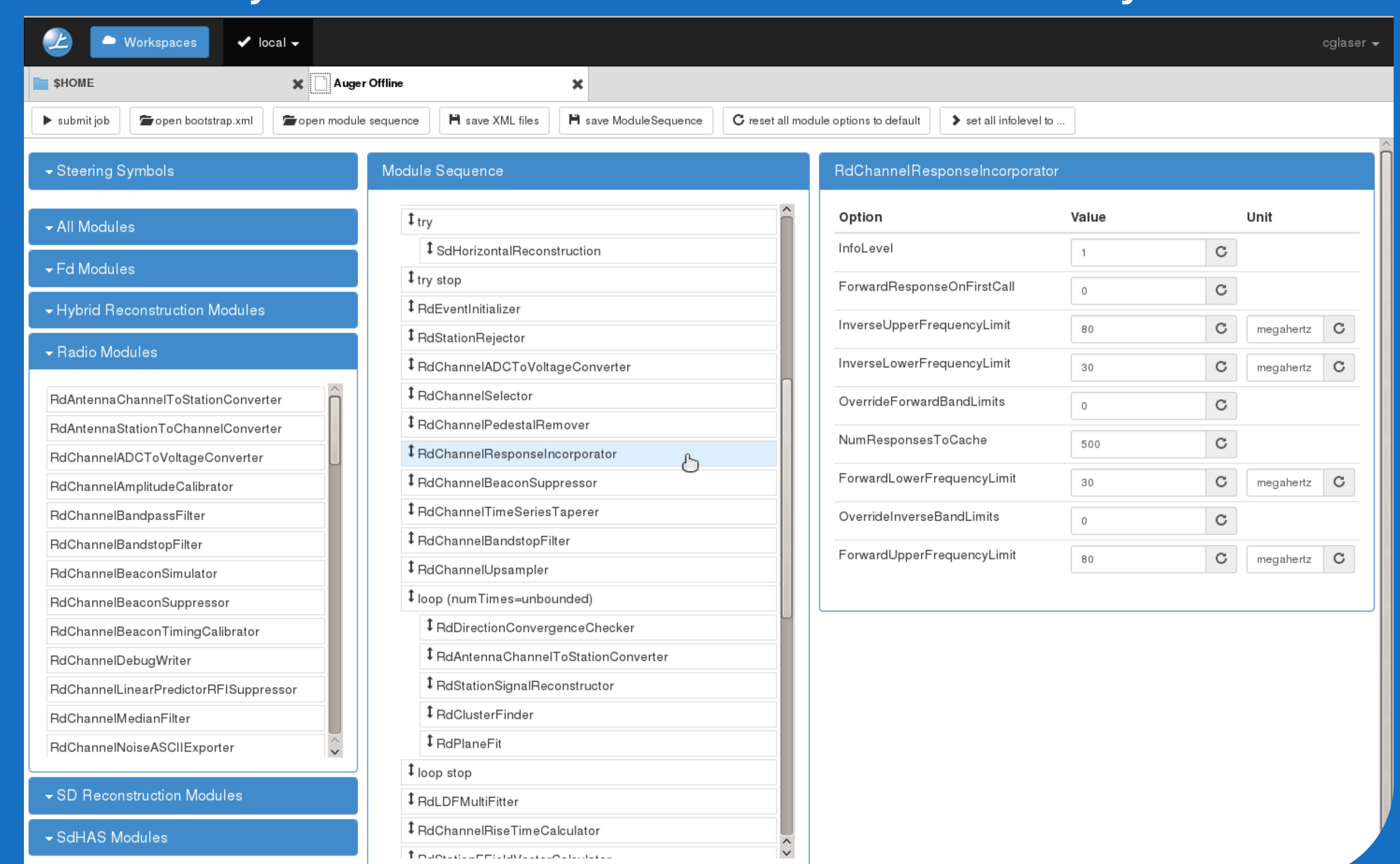
- Data analyses in experimental physics lectures [1]

CERN outreach

- Public data and example analyses available through web platform

Pierre Auger Observatory: Event Reconstruction

- Graphical steering of the analysis framework "Offline" [2]
- Direct job submission to different batch systems



Access

Web: vispa.physik.rwth-aachen.de

Contact: vispa@lists.rwth-aachen.de

All code open source

References:

- [1] M. Erdmann et al., Eur. J. Phys. 35 (2014) 035018
- [2] S. Argiro et al., NIM Phys. Res., Sect. A 580, 1485 (2007)