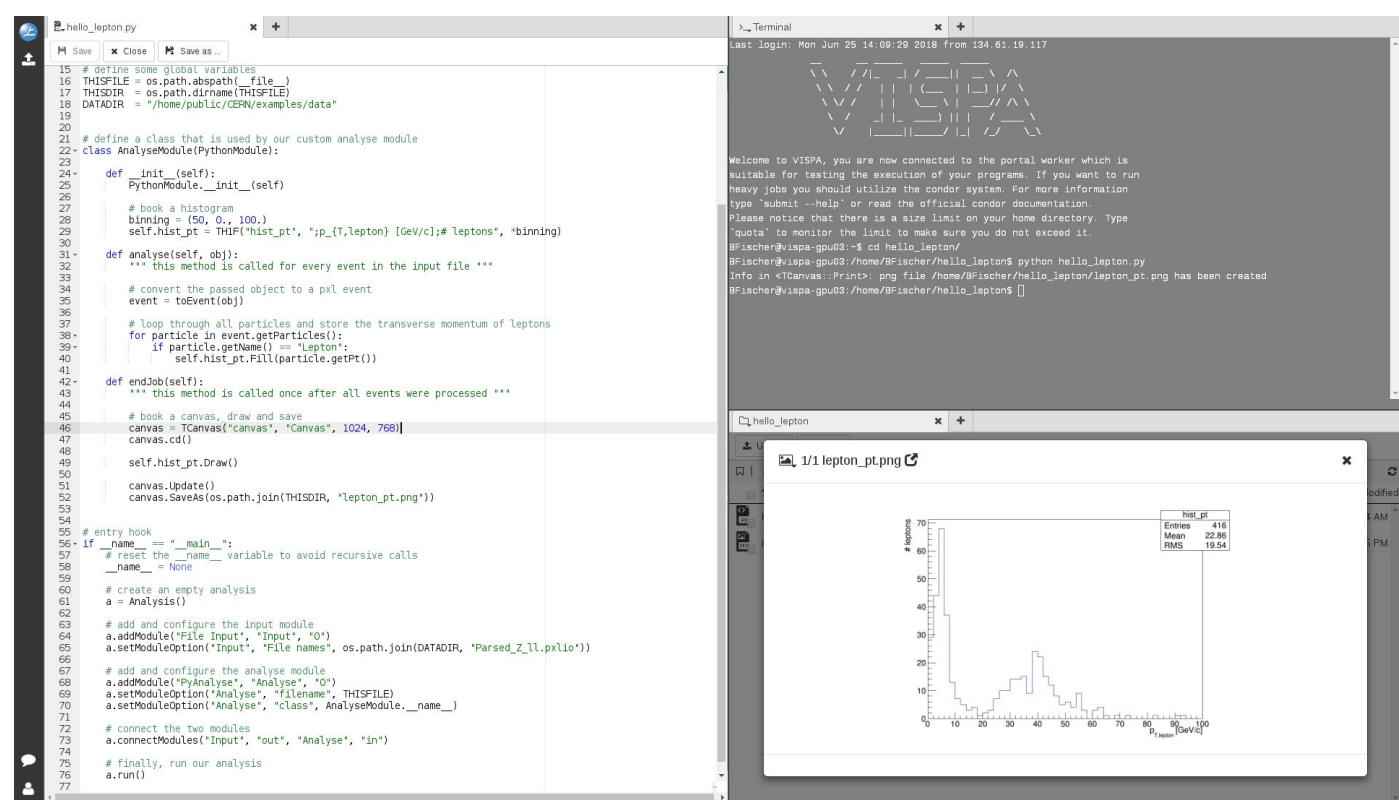




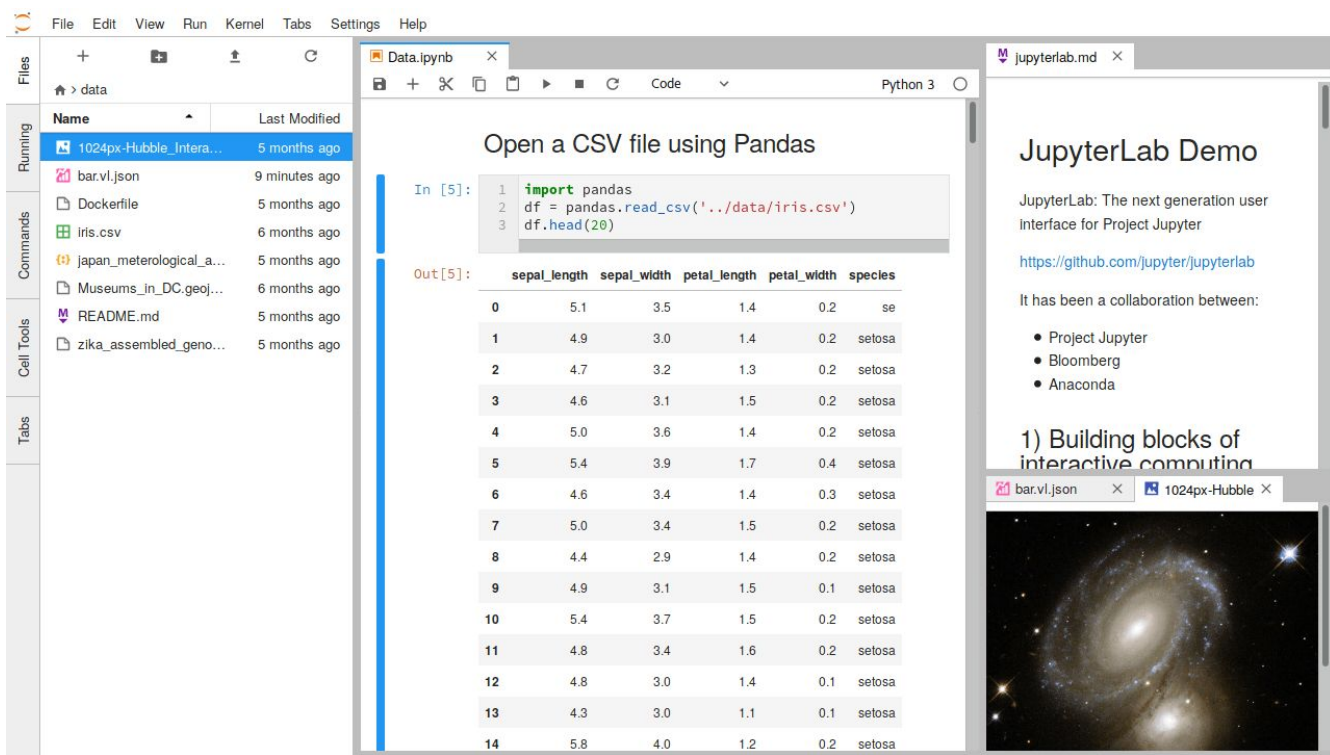
- server provides
 - full UI implementation
 - user & group management
 - SSH connections for multiple users



- physics specialized extensions
- employed in teaching & research



- JupyterLab: next-generation UI
 - successor to Jupyter Notebook
 - single-user focus
 - currently in beta
- vast community-driven ecosystem



Feature overlap with VISPA

- modern web based user-interface
- extensible: e.g. render foreign data-formats (e.g. ROOT files)
- unopinionated: language agnostic
- full terminal access

based on VISPA's
resource flexibility

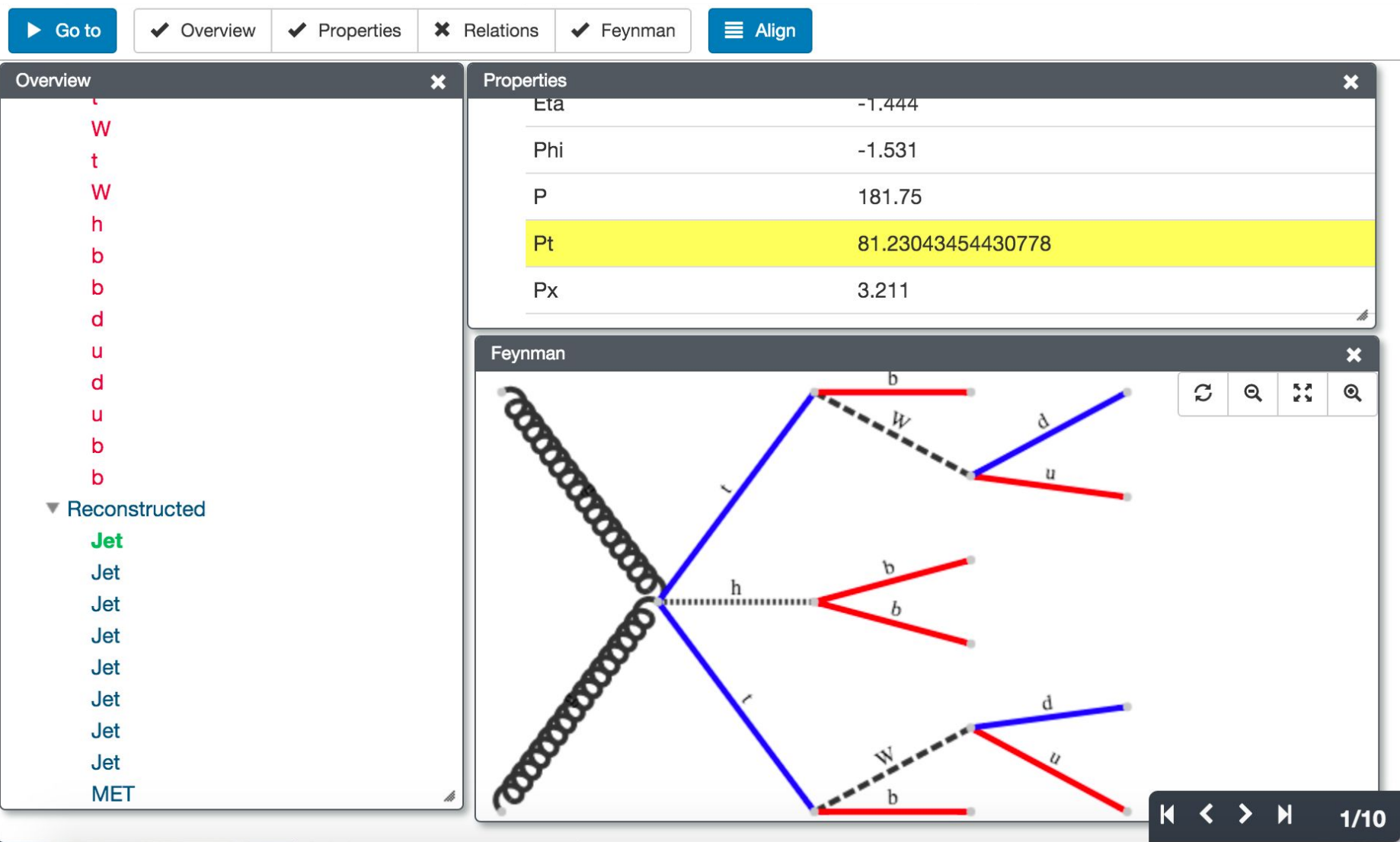
Future VISPA

rely on Jupyter's
state of the art UI

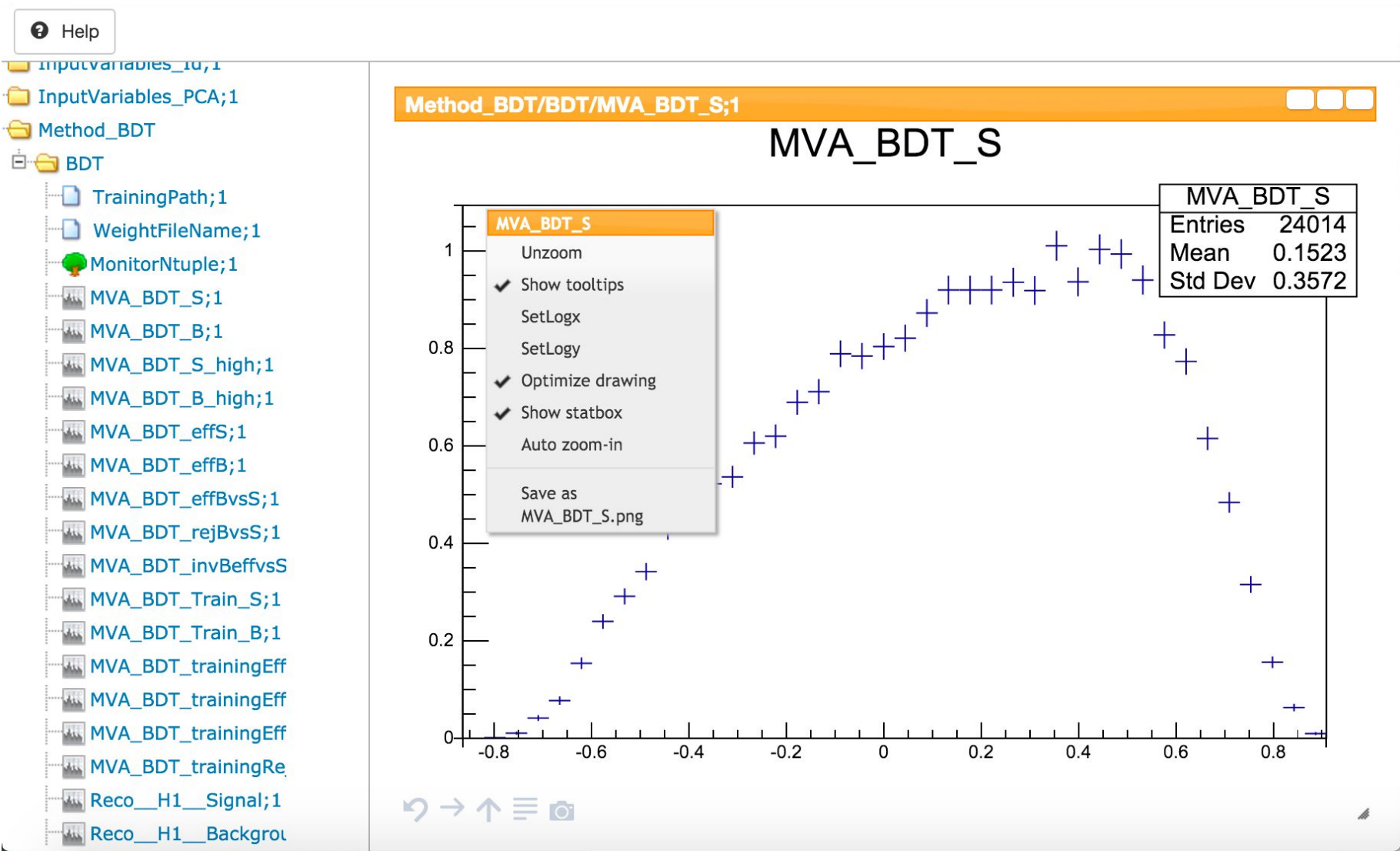
lightweight, modularized node-based server

- Authentication: LDAP, OAuth, ... - optional
- Transport: SSH (stackable) - no port forwarding needed
- Environment: pip, conda, ... - with optional transparent bootstrapping
- Application: JupyterLab (default), TensorBoard, custom, ...

HEP event browser



ROOT file browser



Proof of concept

