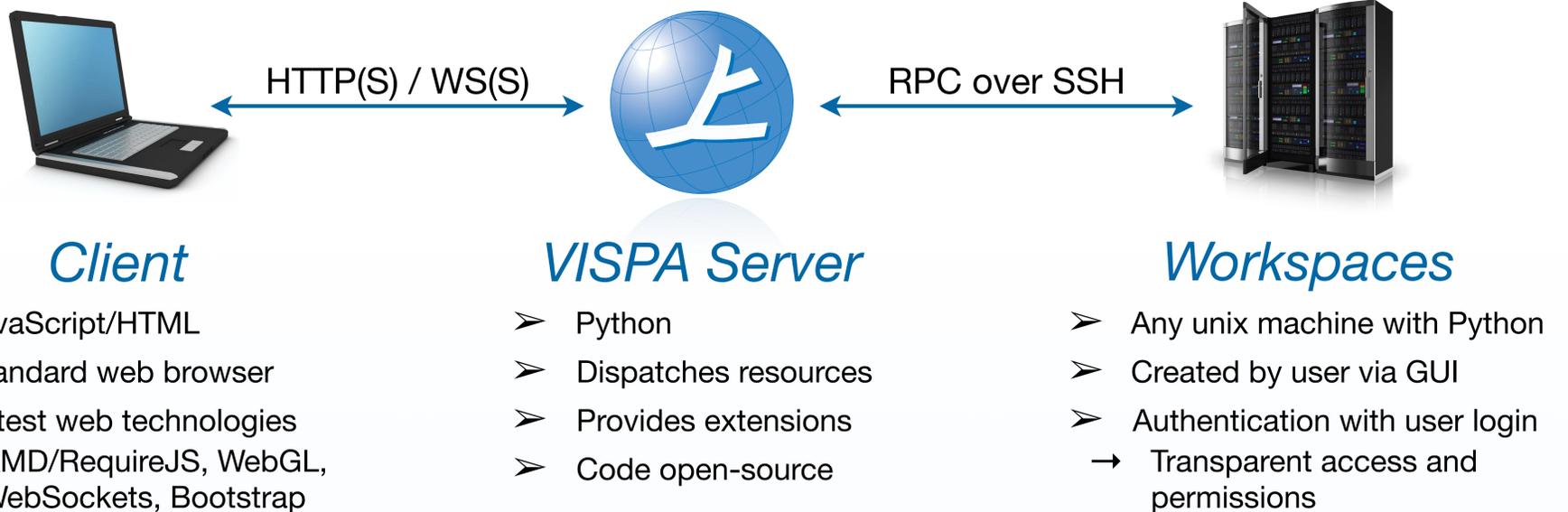
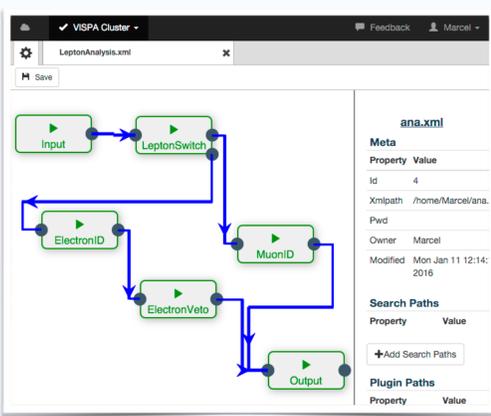


Architecture



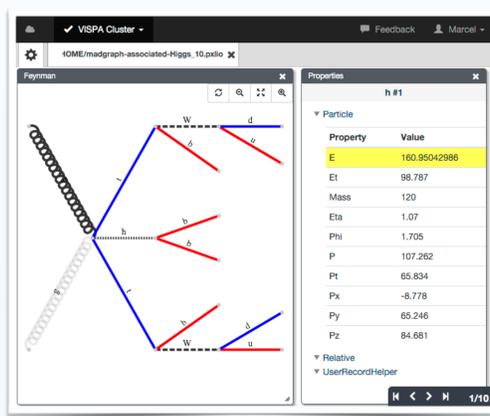
Extensions

Analysis Designer



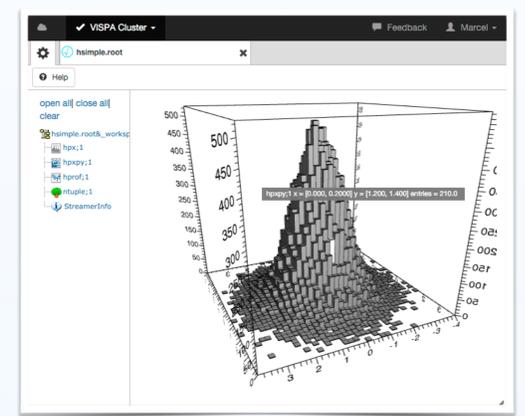
- Event-by-event data flow through chain
- Reusable C++ and Python modules
- Based on *Physics eXtension Library* (PXL)

Data Browser



- Interactive browsing of HEP event content
- Multiple data formats possible (e.g. LHE)
- Based on *Physics eXtension Library* (PXL)

JSROOT



- ROOT file browser, interactive visualization
- Embedded JSROOT within thin code layer
- Benefits from dynamic resources (Workspaces)

also: *FileBrowser, CodeEditor, Terminal, JobDashboard, ...*

Permission System

- Extensions define particular permissions
- Sets of permissions bundled into custom roles
- Roles are assigned to individual users or groups
- Groups can be nested

Project:	Homework Extension		
Permission:	hand in	assign grades	manage course
Student	✓	✗	✗
Tutor	✗	✓	✗
Manager	✗	✓	✓