

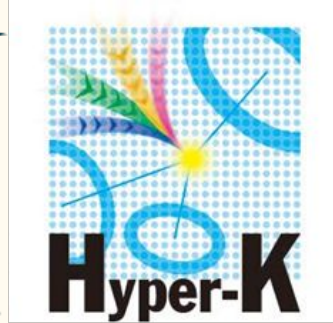
Group Meeting

—

Erwan ~ エルワン

18/12/2024

One image is worth a thousand words

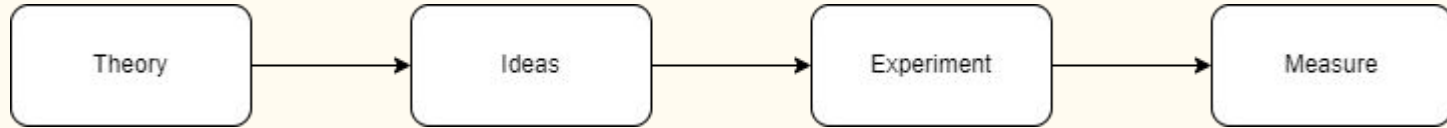


One image is worth a thousand words



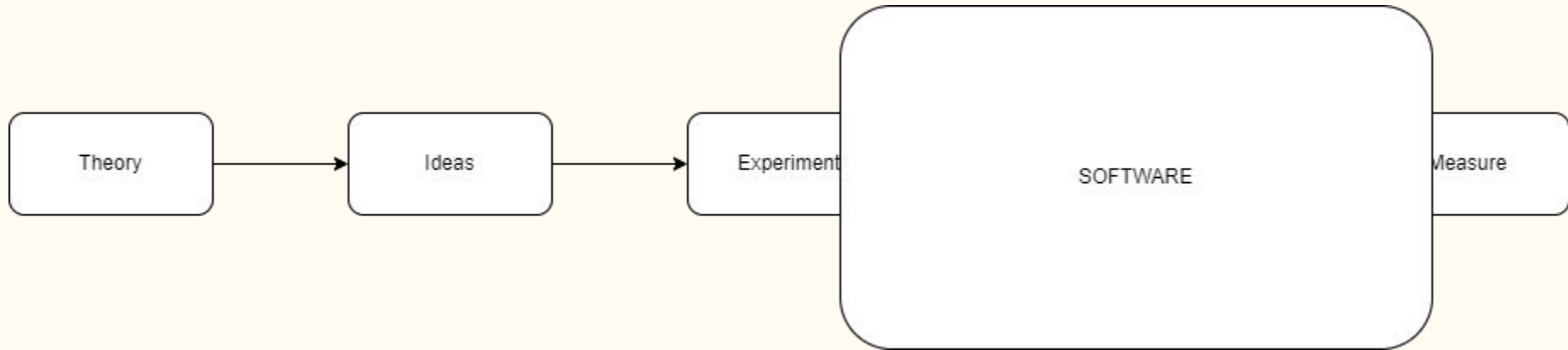
Reconstruction using MC Data of this

Dreamt exp. physicist pipeline



(Sorry j'ai pas les bons logiciels sur windows)

Real exp. physicist pipeline



(Sorry j'ai pas les bons logiciels sur windows 2)

What I have been doing

—

Surprisingly !!

The screenshot shows a GitHub repository page for a user named 'Erwanlbv' with the repository name 'caverns'. The repository is private. The page includes a navigation bar with options like 'code', 'Issues', 'Pull requests', 'Actions', 'Projects', 'Security', 'Insights', and 'Settings'. Below the navigation bar, there are repository statistics: 'Unwatch 1', 'Fork 0', and 'Star 0'. The main content area shows a file tree with folders 'WatChMaL', 'config', and 'lauch', and a file 'environment_cclyon.yml', all with 'initial commit' status from '2 months ago'. There is one commit by 'Erwanlbv' with the message 'initial commit' and a SHA of '6d75748'. A prominent 'Add a README' button is displayed in the center of the page, with the text 'Help people interested in this repository understand your project by adding a README.' To the right, there are sections for 'About' (no description), 'Activity' (0 stars, 1 watching, 0 forks), 'Releases' (no releases published), 'Packages' (no packages published), and 'Languages' (Python 96.3%, Shell 3.7%).

Erwanlbv / caverns

Type to search

code Issues Pull requests Actions Projects Security Insights Settings

caverns Private

Unwatch 1 Fork 0 Star 0


master 1 Branch 0 Tags

Go to file Add file Code

Erwanlbv initial commit 6d75748 · 2 months ago 1 Commit

WatChMaL	initial commit	2 months ago
config	initial commit	2 months ago
lauch	initial commit	2 months ago
environment_cclyon.yml	initial commit	2 months ago

README


Add a README
Help people interested in this repository understand your project by adding a README.
[Add a README](#)

About
No description, website, or topics provided.

Activity
0 stars
1 watching
0 forks

Releases
No releases published
[Create a new release](#)

Packages
No packages published
[Publish your first package](#)

Languages
Python 96.3% Shell 3.7%

Suggested workflows
Based on your tech stack

And **not that time-taking-negligible** other ones

The image shows three GitHub repository pages side-by-side. The top row features 'RootToGraph' (Private) and 'WCSimRootToRoot' (Public). The middle row features 'SimulationScripts' (Private). The bottom row features 'RootExplorer' (Private). Each repository page includes a file browser, a commit history table, and a 'Add a README' prompt. The 'Add a README' prompt includes a list of tasks: '1. Update the doc', '2. Set rejection_threshold:', '3. Set filtered_data.pt as o', and '4. Speed up the very slow'. The 'RootExplorer' page also has a section titled 'How to use on CC Lyon cluster' and 'Load dependencies' with the command 'source setup/root_6_30_06.sh'. The 'SimulationScripts' page has a commit history table with columns for commit message, date, and number of commits.

Commit Message	Date	Commits
Erwanlvb first commit for bash routine to simulate MCdata WCTE/SK/HK	90575dd · last week	1 Commit
create_scripts	first commit for bash routine to simulate MCdata WCTE/SK/...	last week
source_scripts	first commit for bash routine to simulate MCdata WCTE/SK/...	last week
.gitignore	first commit for bash routine to simulate MCdata WCTE/SK/...	last week

Graph In-Mer

To do :

1. Update the doc
2. Set rejection_threshold:
3. Set filtered_data.pt as o
4. Speed up the very slow

How to use on CC Lyon cluster

Load dependencies

```
source setup/root_6_30_06.sh
```

Add a README

Help people interested in this repository understand your project by adding a README.

[Add a README](#)

Releases

No releases published
[Create a new release](#)

Packages

No packages published
[Publish your first package](#)

Languages

- Shell 100.0%

And **not that time-taking-negligible** other ones

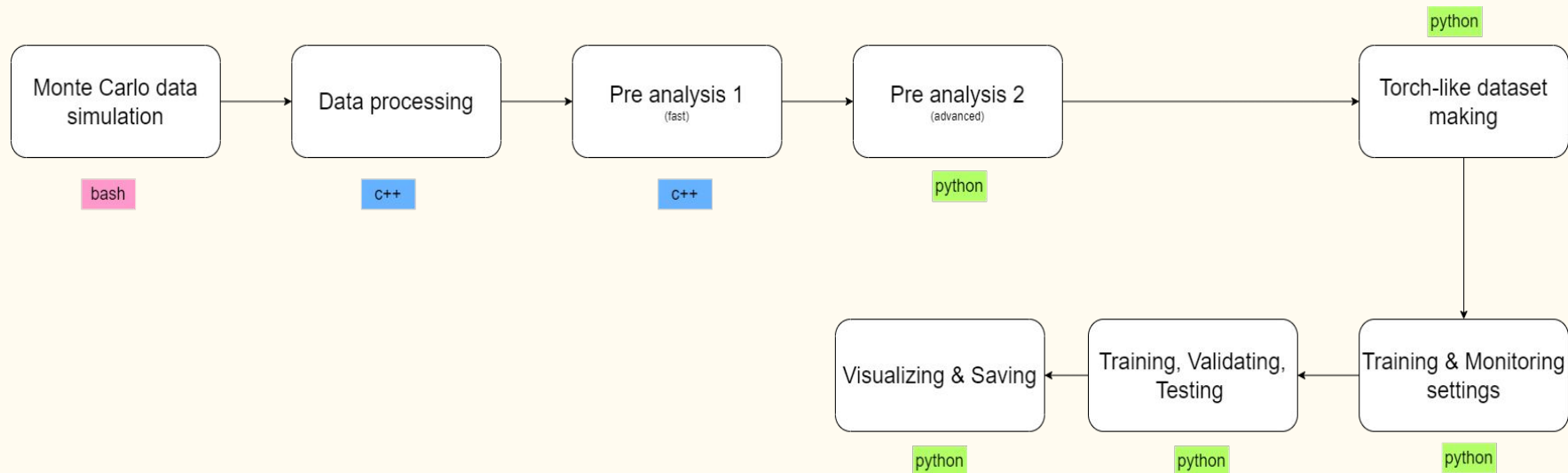
The screenshot shows the GitHub-like interface for the organization "CAVERNS-Org". The top navigation bar includes "Overview", "Repositories 4", "Projects", "Packages", "Teams", "People 5", "Insights", and "Settings". A search bar is present with the text "Type to search". On the right side of the navigation bar, there are icons for adding a repository, a refresh button, a help icon, a mail icon, and a GitHub logo.

The main content area is titled "All" and features a "New repository" button in the top right corner. Below the title is a search bar for repositories. The repository list is sorted by "Last pushed" and contains four entries:

- RootExplorer** (Private): C++ repository, updated 2 days ago.
- SimulationScripts** (Private): Shell repository, updated last week.
- RootToGraph** (Private): Python repository, updated last week.
- EventDisplay** (Private): Python repository, updated 2 weeks ago.

Each repository entry includes icons for forks, stars, issues, and pull requests, along with a green progress bar on the right side of the list.

Sum up



The Next Step



Reproduce these performances from GRANT by Christine

	GNN	FitQun
e/mu	99% electron efficiency at 5% muon bg acceptance,	99% electron efficiency at 5% muon bg acceptance,
e/pi0	99% electron efficiency at 25% pi0 bg acceptance	94% electron efficiency at 25% pi0 bg acceptance
Energy reconstruction for e & mu (1D)	Electron : 5.5% resolution at 500 MeV, energy bias at ~1.5% Muon : 2.5% resolution at 500 MeV, energy bias at ~0.5%	Electron : 7% resolution at 500 MeV, energy bias at ~0% Muon : 6% resolution at 500 MeV, energy bias at ~0%
Vertex reconstruction for e & mu (3D)	Electron : 203 cm Muon: None	Electron : 22 cm Muon : 28 cm
Direction reconstruction for e & mu (2 angles)	None	Electron : 2.7° Muon : 2.5°

But using this

