

Réunion Hebdo LLR - ML

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Plan

- Collaboration Watchmal
 - Performances reproduction
 - Project fusion
- LLR Internal
 - ML (general)
 - Grant & Skynet
 - Framework
- Formation (paused)
 - GNN
 - Physics

Watchmal Collaboration

Watchmal Collaboration - Performances reproduction

Bilan : Aborted

Reason : No available performance from Watchmal CNN for an HK geometry with 20" pmt.

→ Decision : Get the performances ourselves from their code. Fastest and simplest solution, also useful for the future (see Fusion)

Watchmal Collaboration - Projects Fusion

Bilan : In progress

3 programs :

- Grant
- Skynet
- DataTools & Watchmal

→ Decision : Separation of Post-WCSim-simulation processing & Models

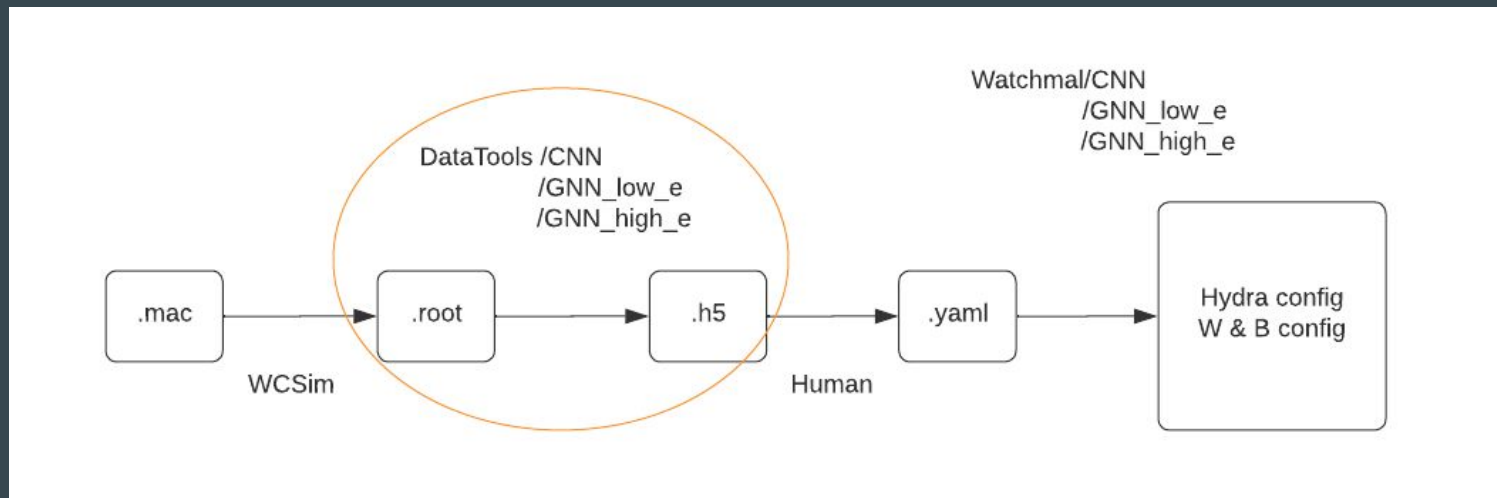
Conservation of Watchmal for the models (integration of skynet and grant)

Development of a unify program for post-wcsim-simulation processing

Watchmal Collaboration - Projects Fusion

Focus : New DataTools

Structure :



LLR Internal updates

ML (general)

Theory :

- Basics of ML(focused on neural networks)
- General approaches and their justifications

In progress

Hands-on :

- ML projects program structures
- Before & During training advices

In progress

Tool :

- Tutorial for W&B

In progress

Interne LLR : Grant & Skynet

Bilan : In progress

Project divergence between high and low energy. The motivation for unification interrogates how different the programs are now

→ Decision : Program review for both Skynet and Grant

Interne LLR : Framework

Anna / Christine / Me → Working with
benjamin root et wcsim

Antoine → Working with ?

Which file currently used for training (Christine & Antoine ?)

→ Décision : Relecture des codes pour déterminer la structure unifiée.