Weekly update

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Teaching

- Second exam ready to print

QT updates

- Summary of validation checkpoints
- Improving plot quality

Evolutionary loop

1. Bash script: evoLoop.sh
   1. Create a submission file based on the last run
   2. Submit a dagman script
   3. Rank previous runs
2. Dagman script:
   1. Submit a jdl
   2. Run a postcript to initialize the next step
3. Python script:
   1. If generation 1: Generate random parameters
   2. Else: Keep best config, generate new configs using top parameters, generate new configs using top parameters and mutating

Next steps

- Improve the creation of the first generation from a random setup to a setup close to a typical optimum.
- Add more hyperparameters to the evolution, some are static at the moment
- Investigate a good epoch number and generation number
- Add early stopping
- Investigate metrics and combinations of metrics
- Add more mutation based on probability and investigate different values for mutation probability