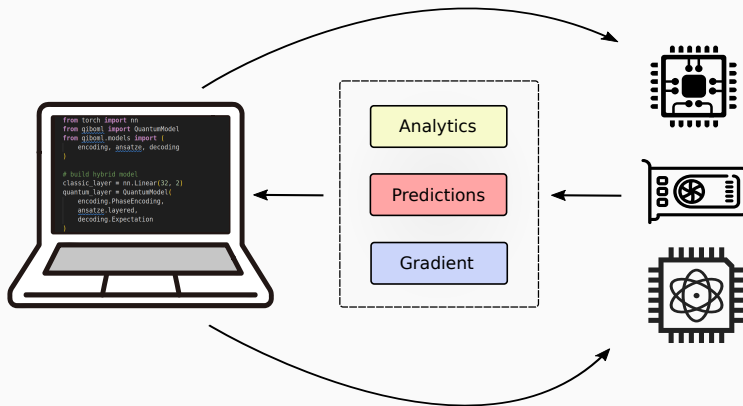**A few slides on full-stack QML**

November 20, 2024

Quantum Machine Learning challenges

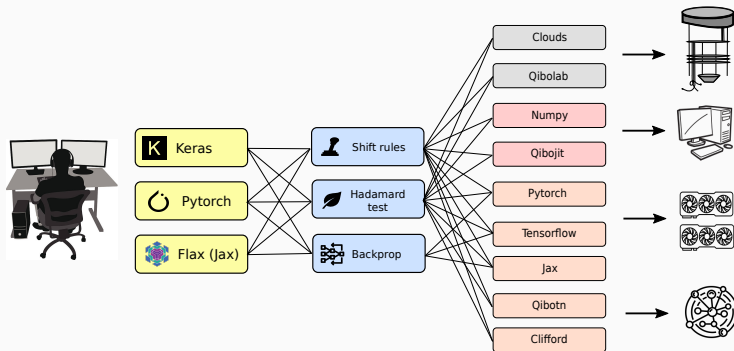We aim to involve quantum process units into Machine Learning pipelines.

Classical and quantum components have to be executable on CPUs, GPUs and QPUs to fullfill the whole potential of an hybrid quantum-classical cluster.

Qibo as a modular playground

To do so, `Qibo` stands as an intriguing playgrond thanks to its modularity.

Once a favourite ML framework is chosen, a quantum circuit can be built with Qibo and added to the pipeline.

The circuit can then be executed onto the desired Qibo backend.