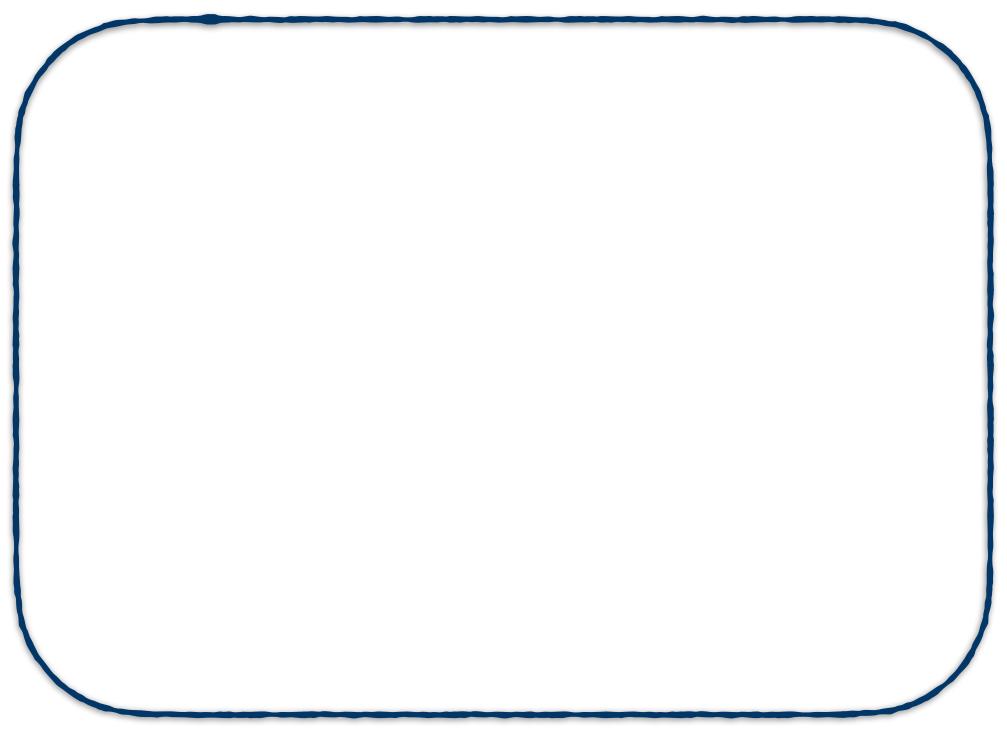
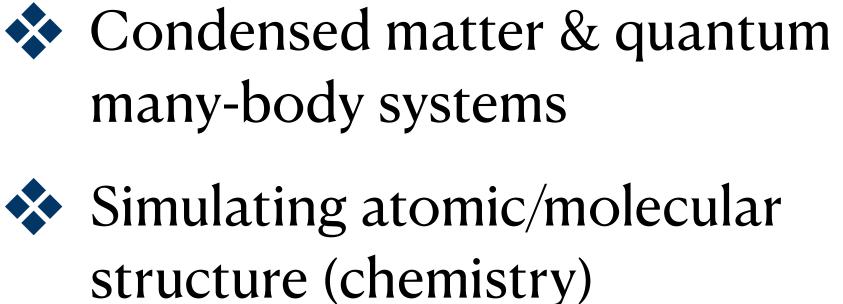


Image credit: Argonne National Laboratory







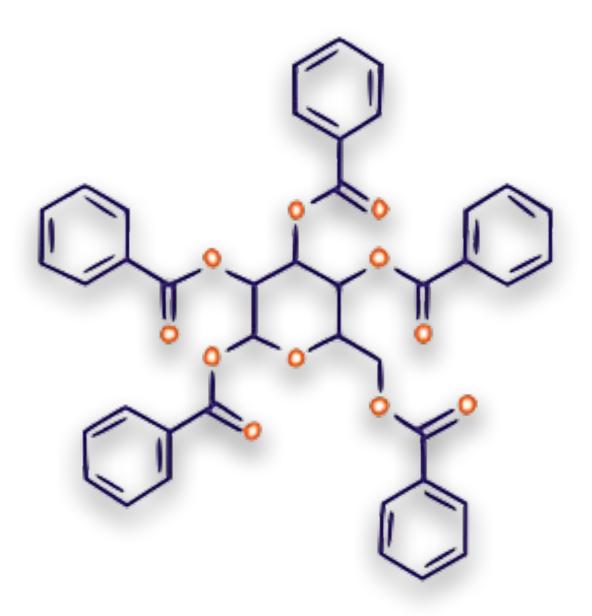


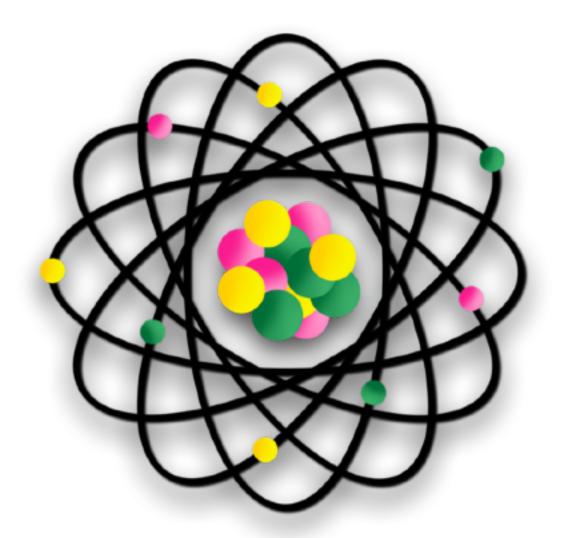
Understanding the structure of proton (nuclear physics)

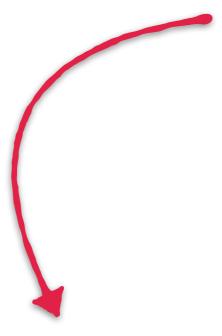
And many more...













Classical Methods

- **♦** Exact diagonalisation
- → Monte Carlo
- **♦** Tensor Networks

Why QML?

- The main goal is to study physics
- ★ Efficient way of preparing quantum systems

And many more...



many-body systems

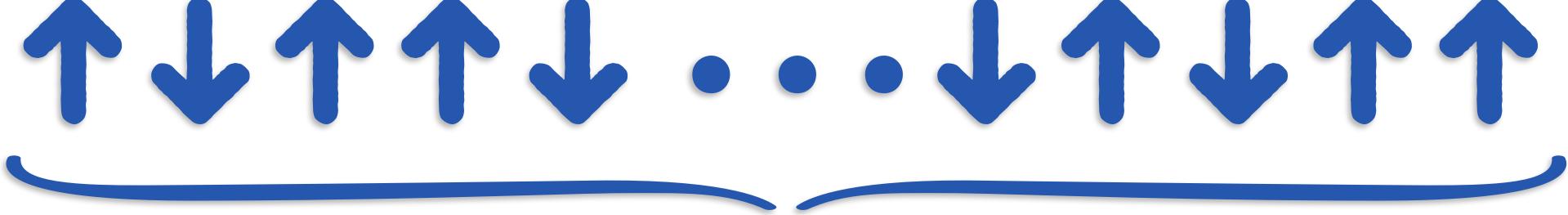




structure (chemistry)

proton (nuclear physics)

Jack Y. Araz



System of electrons with spin up or down

What's it natural form?











