

# Quantum Machine Learning for Plasma Physics

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## Internship's main tasks

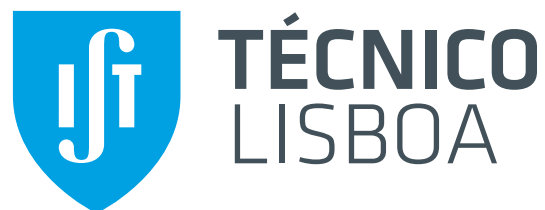
- Develop a quantum machine learning algorithm to predict electric potentials used in particle-in-cell simulations.
- Perform hybrid classical-quantum simulations in HPC

## Required/desired skills/profile

- Knowledge of plasma physics and electrodynamics
- Python programming language, machine learning, quantum computing desirable but not necessary

## Topic can be extended as

- PIC 1
- PIC 2



## Contact

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## General info

For general information regarding the Internship program please see:  
<http://golp.ist.utl.pt/wp/opportunities/>