Atomistic and quantum simulations of materials

Remarque
pas donné en 2018-19

Summary
Theory and application of quantum simulations to model, understand, and predict the properties of real materials.

Content

Learning Prerequisites
Recommended courses
Fundamentals of solid-state materials, or similar.

Learning Outcomes
By the end of the course, the student must be able to:
• Model materials with quantum mechanical simulations

Teaching methods
Ex cathedra and computational laboratories

Assessment methods
Written reports of computational labs