

Ab Initio Methods and Emerging Technologies for Nuclear Structure

Doctoral Training Programme 2023

Trento, 10 - 28 July 2023

LECTURERS AND TOPICS

Vittorio **Somà**, Université Paris-Saclay and CEA

Self-consistent Green's function methods

Alexander Tichai, Technische Universität Darmstadt

Many-body perturbation theory

Andreas Ekström, Chalmers University of Technology

Payagian inforces and modelling

Bayesian inference and modelling of nuclear forces

Filippo Vicentini, Ecole Polytechnique and EPFL

Machine learning and neural network guantum states

Alessandro Lovato, Argonne National Laboratory

Machine learning and Monte Carlo methods in Nuclear Physics

Kyle Wendt, Lawrence Livermore National Laboratory

Optimal control for quantum simulations

PROGRAMME COORDINATORS

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APPLICATIONS

Applications for the ECT* Doctoral Training Programme should be made electronically through the ECT* web page. It should include: a curriculum vitae, a 1-page description of academic and scientific achievements, a short letter expressing the applicants' personal motivation for participating in the Programme. In addition, a reference letter from the candidate's supervisor should be sent to Barbara Gazzoli (gazzoli@ectstar.eu) for the attention of Professor Gert Aarts - Director of ECT*.

For further details see www.ectstar.eu







