

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

**Bayesian inference and modelling
of nuclear forces**

Filippo Vicentini, Ecole Polytechnique
and EPFL

**Machine learning and neural network
quantum 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

Registrations will be available from February 13th until May 15th, 2023