

ECT* Doctoral Training Programme 2021

ONLINE EDITION

Trento, June 28 – July 23 2021

High-Energy and Nuclear Physics within Quantum Technologies

Programme Coordinators

Pilar Hernandez (Universidad de Valencia, Spain) | **Simone Montangero** (Università di Padova, Italy)
Yasser Omar (Universidade de Lisboa, Portugal) | **Enrique Rico** (University of the Basque Country, Spain)

Student Coordinator and Advisor

Enrique Rico (University of the Basque Country, Spain)

Lecturers and Topics

- **Christof Gattringer** (University of Graz, Austria) Lattice QCD methods
- **Philipp Hauke** (Università di Trento, Italy) Open Quantum Systems and Optical Lattice
- **Zohreh Davoudi** (University of Maryland, USA) Nuclear Physics and effective theories
- **Mari Carmen Bañuls** (Max-Planck-Institute of Quantum Optics, Germany) Tensor network methods
- **Stefan Schaefer** (NIC, DESY, Germany) Challenges in Lattice QCD
- **Fred Jendrzejewski** (University of Heidelberg, Germany) Experimental tools in cold gases and optical lattices
- **David Kaplan** (University of Washington, USA) Chiral Theories
- **Rainer Blatt** (University of Innsbruck, Austria) Experimental tools in ion traps

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*.

Registrations available from April 28 until June 6, 2021

For further details see www.ectstar.eu