ECT* Doctoral Training Programme 2020
Trento, July 6 – 31

High-Energy and Nuclear Physics within Quantum Technologies

Programme coordinators
Pilar Hernandez (Universidad de Valencia, Spain) | Simone Montangero (Università di Padova, Italy)
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Student Coordinators and Advisors
Enrique Rico (University of the Basque Country, Spain) | Dionysios Triantafyllopoulos (ECT*, Italy)
Hendrik van Hees (University of Frankfurt, Germany)

Lecturers and Topics
• Christof Gattringer (University of Graz, Austria) Lattice QCD methods
• Philipp Hauke (Università di Trento, Italy) Open Quantum systems and Optical Lattices
• Stefan Schaefer (NIC, DESY, Germany) Challenges in Lattice QCD
• Rainer Blatt (University of Innsbruck, Austria) Experimental tools in ion traps
• Zohreh Davoudi (University of Maryland, USA) Nuclear physics and effective theories
• Mari Carmen Bañuls (Max-Planck-Institute of Quantum Optics, Germany) Tensor network methods: from quantum information to solving lattice gauge theories
• David Kaplan (University of Washington, USA) Chiral theories
• Fred Jendrzejewski (University of Heidelberg, Germany) Experimental tools in cold gases and optical lattices

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:
Professor Jochen Wambach - Director of ECT* – Strada delle Tabarelle, 286 - 38123 Villazzano (TN) Italy
(email to Barbara Gazzoli gazzoli@ectstar.eu)

Deadline for applications: April 20, 2020
For further details see www.ectstar.eu