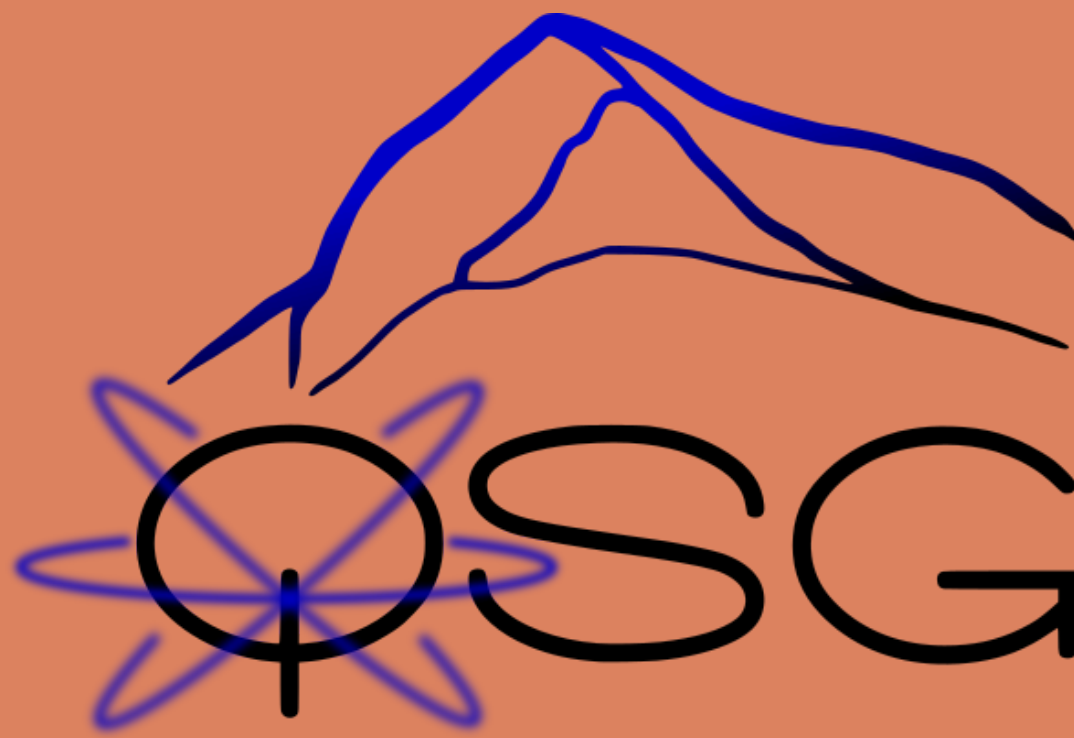


5-9

May, 2025

ECT* Villa Tambosi, Villazzano



QUANTUM SCIENCE
GENERATION
TRENTO 2025

ABSTRACT

Quantum technologies is a rapidly expanding field of research and the Quantum Science Generation Workshop 2025—its third edition—aims to provide a comprehensive and up-to-date overview of active research areas within this field. The workshop will cover: optical and condensed matter platforms for quantum technologies; quantum simulation of problems of interest for condensed matter, nuclear, high-energy, or gravitational physics; and hybrid quantum algorithms for optimization problems. Targeted at young researchers, the workshop seeks to foster discussion and collaboration across different quantum science disciplines, promoting new insights and advancing the field.

KEYNOTE

Dieter Jaksch (Hamburg University, Germany), Lea Ferreira dos Santos (University of Connecticut, USA), Michael Galili (Technical University of Denmark, Denmark), Simone Montangero (Università di Padova, Italy), Tom O'Brien (Google)

INVITED

Arianna Crippa (Desy, Germany), Arina Tashchilina (IQOQI Innsbruck & University of Innsbruck, Austria), Davide Castaldo (ETH, Switzerland), Giulio Cappelli (CNRS Institut Néel, France), Juliette Monsel (Chalmers University of Technology, Sweden), Luca Banzerus (University of Vienna, Austria), Matteo Seclì (EPFL, Switzerland), Ming Lai Chan (Niels Bohr Institute & Sparrow Quantum, Denmark), Noemi Tagliavacche (Pavia University, Italy), Viktor Svensson (University of Oslo, Norway)

ORGANIZERS

Alberto Nardin, Alessio Baldazzi, Alex Windey, Carlos L. Benavides-Riveros, Chiara Capecci, Christian Johansen, Daniele de Bernardis, David Pascual Solis, Federica Mantegazzini, Luca Vespucci, Matteo Wauters, Stephanie Matern

ECT* Director: Prof. Ubirajara van Kolck

The ECT* is part of the Fondazione Bruno Kessler. The Centre is funded by the Autonomous Province of Trento, funding agencies of EU Member and Associated states, and by INFN-TIFPA and has the support of the Department of Physics of the University of Trento.

For the organization please contact: Barbara Gazzoli – ECT* Secretariat - Villa Tambosi - Strada delle Tabarelle 286 | 38123 Villazzano (Trento) – Italy | Tel.:(+39-0461) 314722, E-mail: gazzoli@ectstar.eu or visit <http://www.ectstar.eu>

SUPPORTING INSTITUTIONS
AND PROJECTS



SPONSORS



SOCIAL ACTIVITIES SPONSOR

