3rd Workshop on Quantum Computing @ INFN

February 3, 2026 - February 6, 2026

Scientific Program

This workshop offers a comprehensive programme showcasing recent advances and emerging trends in quantum science, covering foundational studies, simulation methods, quantum machine learning, and technological developments.

Foundational Studies

Conceptual and theoretical foundations of quantum mechanics and quantum information, including quantum correlations, entanglement, nonlocality, and the interpretation of quantum theory.

Quantum Simulation

Digital and analog simulation of physical systems, including simulation methods, algorithms, and practical use-cases.

Quantum Machine Learning

Algorithms and hybrid ML/quantum computing approaches, with applications to high-energy physics and data analysis.

Technological Aspects

Dedicated to hardware platforms, device technologies, and implementation issues in quantum information science.