

3rd International Workshop on Machine Learning and Quantum Computing Applications in Medicine and Physics



Contribution ID : 106

Type : **Tutorial**

Introduction to Quantum Computing - Part 2

Thursday, 10 September 2026 16:00 (120)

This training provides an accessible introduction to quantum computing, covering both photonic and gate-based (universal) systems. Through hands-on sessions and live demonstrations, attendees will explore the current state and future potential of quantum technology. By the end of the training, attendees will be able to:

- understand the basics of quantum computing,
- explain the differences between photonic and universal (gate-based) quantum systems,
- build simple quantum circuits and create quantum AI models,
- discover advanced uses of quantum technology.

Target audience: Anyone curious about quantum computing, regardless of prior experience.

Requirements: Basic computer knowledge and familiarity with any programming language.

Required tools: Bring your own laptop — a remote Jupyter Notebook environment with everything needed will be provided.

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Session Classification : Quantum Computing Tutorial