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Quantum Mechanics 2025 at the Crossroads of Science and Humanities: Towards the Epiphany of a New Cultural World a Century Later - QUANT

Thursday 3 July 2025 09:00 (1h 30m)

A century after its formulation, we discuss the multifaceted implications for education of the vast cultural connections that quantum mechanics has helped establish between physics and other disciplines. Drawing on the most recent research in quantum mechanics education, we will address the epistemological paradigms that underpin our understanding of nature and the cultural significance of technological aspects for the intellectual development of students at various educational levels; always maintaining a careful focus on the fundamental educational challenge of teaching and learning about the nature of science through physics education.

Education level

Age over 18 (excluding teacher education)

Physics topic

Quantum mechanics

Research focus

Other

Research method

Other

Organizing preference criteria

Physics topic

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