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Type: **Oral presentation**

Quantum for the Curious: An academic minor to enhance quantum literacy for non-physics students

Friday 4 July 2025 09:00 (20 minutes)

The quantum industry demands a diverse workforce with foundational quantum knowledge, extending beyond traditional physics specialists. To address this, the University of Twente developed Quantum for the Curious, a 15 ECTS minor introducing non-physics students to key quantum phenomena and technologies. Guided by the European Competence Framework for Quantum Technologies, the minor enhances scientific literacy and industry-relevant competencies. In its 2024–2025 debut, 21 students from diverse backgrounds participated. Pre- and post-course evaluations assessed its effectiveness. This study presents key findings and insights for improving quantum education for non-specialists.

Education level

Age over 18 (excluding teacher education)

Physics topic

Quantum mechanics

Research focus

Lab course design

Research method

Educational design research (Qualitative research)

Organizing preference criteria

Physics topic

Author: CASTENMILLER, Carolien (University of Twente)

Co-authors: BRINKMAN, Alexander (University of Twente); FOLKERS, Bart; STADERMANN, Kirsten

Presenter: CASTENMILLER, Carolien (University of Twente)

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