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Type: **Poster**

Critical thinking in quantum physics learning: Development of a domain specific model

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This study aims to develop a critical thinking (CT) model suited for pre-service physics teachers engaged in quantum physics learning. To achieve this, Halpern's Critical Thinking framework is used, due to its relevance to physics education and its focus on critical thinking skills applicable to quantum physics phenomena like probability, indistinguishability, uncertainty, superposition, measurement, entanglement, and spin. By developing this model, the development of teaching materials is facilitated, enabling the investigation of CT skill development in students. Viewing this model as an initial phase, the broader objective is to provide insights for enhancing teacher training programs in quantum physics.

How would you like to present your contribution?

Live in Kraków (time slot to be allotted based on the programme)

Target education level

University

Category

Formal Education

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