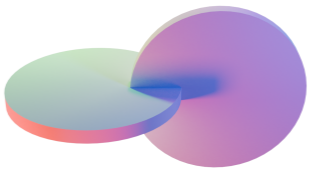

GIREP-EPEC
Transforming physics learning via Research & Practice
LEIDEN, 2025

Contribution ID: **107** Type: **Poster**

Insight into Students' Interest in the Pillars of Quantum Technologies

Monday 30 June 2025 16:30 (1 hour)

There is a lack of talents in the industry of quantum technologies, which can be counteracted by training of existing workforce. We want to design this training within an interest-oriented approach due to the positive effects of interest on the process and quality of learning. A first step contains the measurement of interest for these topics. The present study aims to assess the interest of N = 383 students in the pillars of quantum technologies (quantum computing, communication, sensing, simulation). Furthermore, correlations between the interests are shown. Initial results suggest a marginal positive interest in the pillars and strong correlations.

Education level

Age over 18 (excluding teacher education)

Physics topic

Quantum mechanics

Research focus

Evaluation & Assessment

Research method

Other

Organizing preference criteria

Physics topic

Author: DOGAN, Ismet N.

Co-authors: Dr HILFERT-RÜPPELL, Dagmar; Ms GREINERT, Franziska; Dr UBBEN, Malte S.; Prof. MÜLLER, Rainer

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