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Type: **Oral presentation**

Adaptive, study-accompanying refreshment of school mathematical skills in the STEM degree programs with a focus on Physics and Medical Physics

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Because of a dropout-rate to 60% in physical degree programs in Germany, a students' learning offer has been developed minimizing their individual school mathematical weaknesses which are one component that students quit their studies without graduation. While the first three degree's semesters, the students test their maths competencies and get an individual learn path with exercises and programs supporting their learning attitudes and interdisciplinary competencies parallel to their studies.

Education level

Age over 18 (excluding teacher education)

Physics topic

Interdisciplinary topics

Research focus

Competence-based education

Research method

Mixed method (qualitative & quantitative)

Organizing preference criteria

Education level

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