GIREP-EPEC

Transforming physics learning via Research & Practice
LEIDEN, 2025

Contribution ID: **106**
Type: **Workshop**

Workshop on Tailor, an application for data analysis and curve fitting in high school and university teaching labs - LAB

Wednesday 2 July 2025 09:00 (1h 30m)

When we teach students to perform physics experiments, we want them to compare their results to a physical model. We found existing data analysis tools to be lacking and built our own. In courses where we now use Tailor, we found that discussions no longer focus on how to perform the analysis, but rather on the outcome. The act of analysing data becomes a minor task and more time is devoted to the physics behind the experiment. In the workshop we will explore how Tailor can improve the teaching of experimental physics, both in high school and college / university.

Education level

Age 15-18 (Secondary education)

Physics topic

Full curriculum

Research focus

Lab course design

Research method

Mixed method (qualitative & quantitative)

Organizing preference criteria

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Session Classification: Workshops

Track Classification: Laboratory-based physics (LAB)