



GIREP-EPEC conference 2023  
Physics learning promoting culture  
and addressing societal issues

Contribution ID: 169

Type: Poster

## A survey on conceptual aspects in implementing a teaching intervention module on light spectroscopy

Thursday 6 July 2023 16:00 (20 minutes)

A Teaching Intervention Module (TIM) on optical spectroscopy was designed in the theoretical framework of the Model of Educational Reconstruction. This study illustrates a proposal for a conceptual survey related to the TIM implemented in three classes of  $N = 50$  high school students (17-18 years old). We focused the survey on the mechanism of colours' formation and the interpretation of spectra. The answers' categorization will provide the students' conceptual understanding of these topics, as well as the distractors for the reformulation with multiple-choice items. Data analysis is currently in progress, and the results will be presented at the congress.

### How would you like to present your contribution?

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

### Target education level (primary)

Upper-secondary education

### Target education level (secondary, optional)

University education

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**Session Classification:** Poster session 2