



Contribution ID: 54

Type: **Oral presentations**

## **Interdisciplinary approaches to foster the learning of contemporary physics topics at high school**

*Tuesday 27 August 2024 16:30 (20 minutes)*

We discuss interdisciplinary approaches and their role in bringing contemporary physics topics to high school, fostering students' motivation and interest in physics. We make an explicit example of an innovative educational program devoted to secondary school students (16-19 years old) to introduce them to gravitational physics-related topics using storytelling. We illustrate and discuss our design and methodology. We present results from the experimentation of such approaches in scientific and humanities high schools, focusing on the potentiality of our approach in orientating students towards a STEM career.

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

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

### **Target education level**

General

### **Category**

Informal Education

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**Session Classification:** Oral presentations

**Track Classification:** Physics in STEM Education and Interdisciplinary Approaches