



Contribution ID: 123

Type: **Oral presentations**

## **A didactic pathway on the concept of energy in primary school: cognitive well-being and self-efficacy based on gender**

*Wednesday 28 August 2024 10:30 (20 minutes)*

The main focus of this research is to investigate the gender gap in learning processes in physics in five classrooms of sicilian primary school. After analysing the data reported in the literature related to the gender gap in learning processing, we discuss the results of a didactic pathway on the concept of energy, based on the IBSE methodology, conducted with 10-year-old pupils. We discuss the answers to a questionnaire on self-efficacy and approach to scientific disciplines, administered before and after the didactic pathway, that we realized for primary school, focusing on the differences emerging from male and female pupils.

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

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

### **Target education level**

Early Science/Primary

### **Category**

Formal Education

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**Session Classification:** Oral presentations

**Track Classification:** Evaluation and Assessment of Student Learning and Development