



Contribution ID: 79

Type: **Oral presentation**

## **The role of models in physics and in science: some educational experiments**

*Tuesday 4 July 2023 16:00 (20 minutes)*

According to researchers in the Nature of Science (NoS), it is desirable that students are directly exposed to the process of building of scientific knowledge, in particular concerning the role of models and theories. In this contribution, a few experimental activities, aimed at explicitly showing several aspects of the role of models in science, are described. In order to set the stage, the role of models and theories in science is reviewed, and the views of both experienced researchers and non-experts are investigated and compared.

### **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:** Lab work and experiments

**Track Classification:** Lab work and experiments in physics education