



**GIREP-EPEC**  
**3-7 July 2023**  
Košice, Slovakia

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

Contribution ID: 18

Type: **Oral presentation**

## **Bridging the gap between cutting-edge science and school: non-formal education in high-energy physics**

*Tuesday 4 July 2023 16:40 (20 minutes)*

Covering the most exciting results that push the limits of our knowledge about the Universe is a challenge for school education. Several complications hinder the direct implementation of such content into school curricula. This gap can be bridged by outreach activities. We report on outreach activities in particle physics that are organised in the Czech Republic and Slovakia, most notably the International Particle Physics Masterclasses, coordinated globally by the International Particle Physics Outreach Group (IPPOG). Based on surveys that we have collected over several years of Masterclasses, we examined their long-term impact on the participants.

### **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)**

Pre-service teacher education

**Authors:** TOMASIK, Boris (Univerzita Mateja Bela (SK)); MELO, Ivan; PLESKOT, Vojtech (Charles University (CZ))

**Presenter:** TOMASIK, Boris (Univerzita Mateja Bela (SK))

**Session Classification:** Informal and non-formal learning

**Track Classification:** Informal learning and non-formal learning of physics