



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

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

Contribution ID: 57

Type: **Oral presentation**

## Teaching Physics through Astronomy in secondary school: the Asiago Teachers' Network on Astrophysics

*Tuesday 4 July 2023 14:20 (20 minutes)*

We present a project called ATENA –Asiago Teachers' Network on Astrophysics. Based on authentic collaboration and action research, a teacher learning community was set up around the common research question of how Astronomy can be integrated into the secondary school curriculum to foster a coherent comprehension of the physics of the Universe. Four physics topics across the different grades were selected, and teaching-learning sequences informed by Physics and Astronomy Education Research were collaboratively developed. The experimentation of the teaching-learning sequences is ongoing and will be the basis for the development of pathways to be shared with more schools.

### 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)

In-service teacher education

**Primary author:** CARLI, Marta

**Co-authors:** Dr LEONARDI, Alessio Mattia (Department of Physics and Astronomy - University of Padua); Prof. PANTANO, Ornella (Department of Physics and Astronomy - University of Padua)

**Presenter:** CARLI, Marta

**Session Classification:** Interdisciplinary approaches

**Track Classification:** Interdisciplinary approaches and physics in STEM education