4th World Conference on Physics Education 2024, Kraków, Poland



Contribution ID: 107

Type: Poster

CREDO-edu programme for schools –our way to introduce kids to modern physics and engage in scientific research.

Wednesday, 28 August 2024 11:30 (10 minutes)

Cosmic Ray research is a new branch of physics and astrophysics, which was not known until their discovery in 1912 by Victor Francis Hess [1]. Its deeper understanding has been possible through the development of electronics and detectors. Therefore it was rarely introduced to school curricula. Our CREDO-edu program will reverse the trend of avoiding 20th-century discoveries in physics lessons. We created an application dedicated to conducting cosmic rays measurements [2] in schools and home environments. Moreover, we prepare a programme of year-round school lessons that fully engage teachers on how to familiarise students with cosmic ray phenomena.

How would you like to present your contribution?

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

Target education level

Secondary

Category

Formal Education

Primary author: DERESZ, Melania (Faculty of Physics, University of Warsaw)

Co-authors: Dr ALVAREZ-CASTILLO, David (Institute of Nuclear Physics Polish Academy of Sciences); Dr RUIMI, Ophir (Racah Institute of Physics, Hebrew University of Jerusalem); Prof. HOMOLA, Piotr (Institute of Nuclear Physics Polish Academy of Sciences, AstroCeNT, Nicolaus Copernicus Astronomical Center Polish Academy of Sciences); Dr STRUGLIK, Sławomir (Institute of Nuclear Physics Polish Academy of Sciences)

Presenter: DERESZ, Melania (Faculty of Physics, University of Warsaw)

Session Classification: Poster session

Track Classification: Experiments and Practical Work in Physics Education