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# CREDO-edu - how to make a citizen science project about Cosmic Rays

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Cosmic ray research, a new field in physics and astrophysics, emerged in 1912 [1]. Its deeper understanding became possible through advancements in electronics and detectors. However, it was rarely included in citizen science projects. Our CREDO-edu program aims to change this. We created an app for cosmic ray measurements in schools and homes and developed a year-long school curriculum to engage teachers in introducing students to cosmic rays. The program also includes professional lectures and workshops for educators focused on teaching methods. These components represent a new approach to citizen science.

#### **Education level**

Age 15-18 (Secondary education)

## Physics topic

Contemporary and modern physics

### Research focus

Active learning

#### Research method

Educational design research (Qualitative research)

#### Organizing preference criteria

Physics topic

Author: DERESZ, Melania (University of Warsaw)

**Co-authors:** Dr ALVAREZ-CASTILLO, David (The Henryk Niewodniczański Institute of Nuclear Physics, Polish Academy of Sciences); Mr RUIMI, Ophir (Racah Institute of Physics, Hebrew University of Jerusalem); Prof. HO-MOLA, Piotr (The Henryk Niewodniczański Institute of Nuclear Physics, Polish Academy of Sciences); Dr STUG-LIK, Sławomir (The Henryk Niewodniczański Institute of Nuclear Physics, Polish Academy of Sciences)

Presenter: DERESZ, Melania (University of Warsaw)

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