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Status Report of the μ Net (micronet) Project.

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The μ Net project aims to deploy and operate an extensive school network of educational Cosmic Ray telescopes throughout the Peloponnese region. As part of the μ Net project, an extended educational program will be conducted, with educational activities focusing on the design, construction, testing, and operation of μ Cosmics detectors (microCosmics) as well as the remote operation of cosmic ray detection stations and astroparticle physics detectors deployed at the Hellenic Open University (HOU) campus. In the school year 2021-2022, a pilot program took place in which 18 schools from all over the country participated with 150 students and 21 teachers. Schools were responsible for maintaining a cosmic rays detector assigned to them. There were three schools that installed the detectors on their physical premises, while the rest operated detectors located at the Hellenic Open University through remote access. The three schools that had the detectors on site were located in Patras and the students and teachers of these schools carried out the construction of the detector unit of the telescope, while the remaining 15 of the 18 schools watched the construction on video. All schools calibrated their telescopes, measured extensive atmospheric showers caused by cosmic particles as they enter the atmosphere, and processed the data they collected online through a website built by the university's physics lab. Students and teachers in the program were trained on how to construct the detectors, calibrate the telescope, and operate them to measure extensive atmospheric showers from cosmic particles. All schools were trained using distance learning methods. In this report we briefly present the design of the educational activities as well as the tools developed for distance teaching and report the findings and results of the pilot action.

Is this abstract from experiment?

No

Name of experiment and experimental site

<http://mnet.eap.gr>

Is the speaker for that presentation defined?

Yes

Details

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Internet talk

Yes

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