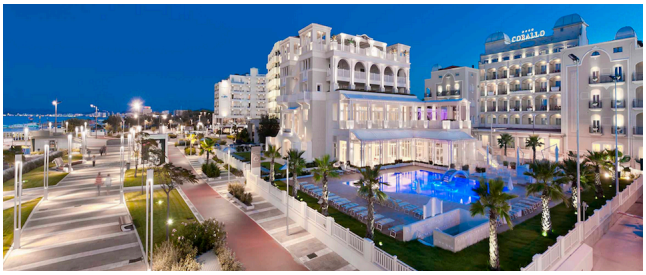

Contribution ID: **20** Type: **oral**

On the Possibility of Accelerating Charged Particles in the Atmosphere

Wednesday, 7 June 2023 09:30 (20 minutes)

This work is devoted to the problem of acceleration of charged elementary particles and ions in air. This work is a continuation of a cycle of research in a new field of acoustoplasma physics, created by the founder of the Institute of Applied Problems of Physics of the NAS of the RA, Academician A.R. Mkrtchyan.
For experimental research, in the IAPP NAS RA developed and created unique experimental equipment, on the basis of which the experimental setup was designed.
During experimental studies, the obtaining and acceleration of various plasma formations in the real atmosphere were observed.
Thus, the previously obtained results of theoretical calculations on the acoustoplasmic acceleration of charged particles were confirmed experimentally.

Primary authors: Dr ABRAHAMYAN, Alexan; MKRTCHYAN, Artak; Mrs MARGARYAN, Artur; Dr CHILINGARYAN, Ruben; MKHITARYAN, Samvel; KOCHARYAN, Vahan

Presenter: MKHITARYAN, Samvel

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