

Radiation from Relativistic Electrons in Periodic Structures "RREPS-23" & Electron, Positron, Neutron and X-ray Scattering under External Influences "Meghri-23"



Contribution ID: 189

Type: Poster

Wake acceleration in cold acoustoplasma

The possibility of acceleration of charged particles in a low-pressure acoustoplasma at low values of the voltage applied to the plasma has been shown theoretically and experimentally. In experiments in neon acoustoplasma, the average gradient of the external voltage applied to the anode-cathode gap was < 5 V/cm.

Authors: Dr ABRAHAMYAN, Aleqsan (Institute of Applied Problems of Physics (IAPP) NAS RA); Prof. MKRCHYAN, Artak (Institute of Applied Problems of Physics (IAPP) NAS RA); Mr MARGARYAN, Artur (Institute of Applied Problems of Physics (IAPP) NAS RA); CHILINGARYAN, Ruben (Institute of Applied Problems of Physics (IAPP) NAS RA); Dr MKHITARYAN, Samvel (Institute of Applied Problems of Physics (IAPP) NAS RA)

Presenters: Dr ABRAHAMYAN, Aleqsan (Institute of Applied Problems of Physics (IAPP) NAS RA); CHILINGARYAN, Ruben (Institute of Applied Problems of Physics (IAPP) NAS RA)

Session Classification: Poster session II

Track Classification: e^-/e^+ , X-ray, THz, and neutron based applications: Control of Parameters of Plasma by Acoustic Superlattices