



Call for Contributions
XIV International Symposium
"RREPS-23"
and
"Meghri-23"

September 18-22, 2023, Tsaghkadzor, Armenia



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

Organized by the Institute of Applied Problems of Physics NAS of Armenia

Support requested from:

State Committee of Science, Republic of Armenia
National Academy of Science, Republic of Armenia

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SYMPOSIUM TOPICS

❖ A. e^-/e^+ beams interaction in solids

General Properties of Radiation from Relativistic Particles
Transition Radiation, Cherenkov Radiation
Parametric X-ray Radiation, Channeling Radiation,
Diffraction Radiation, Smith-Purcell Effect
Coherent Bremsstrahlung and Electron-Positron Pair Creation in Crystals

❖ B. X-ray and neutron scattering in crystals

X-ray and Neutron Scattering under the External Influences
X-ray and Neutron Imaging
X-ray and Neutron Small Angle Scattering
X-ray Based Optics and Diffractometry

❖ C. e^-/e^+ , X-ray, THz, and neutron based applications

Interaction of Particles Beams with Artificial Structures
Control of Parameters of Plasma by Acoustic Superlattices
Radiation Processes and Material Science
Novel Positron Sources
THz generation and applications

SYMPOSIUM LANGUAGE: English

Important dates:

Registration opens: from March, 1, 2023 to July, 15
Abstracts submission: July, 15
Request for student support grant by: July, 15
Hotel reservation: September, 1

FOR FURTHER INFORMATION PLEASE CONTACT:

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