

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

Monday 18 September 2023

e⁻/e⁺ beams interaction in solids (15:00 - 16:20)

-Conveners: Pavel Karataev

time	[id] title	presenter
15:00	[126] Generation of Surface Polaritons on Cylindrical Interfaces	SAHARIAN, Aram
15:20	[171] On-chip beam position monitor based on Smith-Purcell radiation	GARAEV, Damir
15:40	[133] Peculiarities of Spectral-Angular Distribution of Coherent Radiation by a Train of Electron Bunches Crossing a Conducting Ball	SARGSYAN, Anush
16:00	[148] Smith-Purcell radiation from surface plasmons	TISHCHENKO, Alexey

Tuesday 19 September 2023

e-/e+ beams interaction in solids (09:00 - 11:10)

-Conveners: Alexander Shchagin

time	[id] title	presenter
09:00	[213] Electron Beam Acceleration Driven by Self-Generated Cherenkov THz Pulse	LIU, Weihao
09:30	[181] Cherenkov radiation and transition radiation from tilted corundum plate	POTYLITSYN, Alexander
09:50	[130] Quasi-Coherent Radiation from a Train of Electron Bunches Inside a Waveguide Partially Filled with Dielectric	GRIGORYAN, Levon
10:10	[157] Quasidiscrete spectrum Cherenkov radiation from a charge moving inside a dielectric waveguide	Prof. SAHARIAN, Aram
10:30	[159] Cherenkov X-ray radiation in a fractal medium	Mr SHAPOVALOV, Pavel
10:50	[142] Cherenkov particle detector based on resonant elements	SAVCHENKO, Aleksandr

e-/e+ beams interaction in solids (11:30 - 13:30)

-Conveners: Aram Saharian

time	[id] title	presenter
11:30	[131] Generation of Superradiant Parametric X-rays (SPXR)	A. LOBKOV
11:50	[162] Use of Parametric X-ray Radiation of Electrons in Crystals to Determine the Parameters of Imaging plates	VNUKOV, Igor
12:10	[228] Mixed (Regular and Chaotic) Dynamics under the Channeling of the High Energy Positrons in [100] Direction of the Silicon Crystal and Podolskiy-Narimanov Distribution	SYSHCHENKO, Vladislav
12:30	[229] Dynamical Chaos and Level Splitting under the Channeling of the High Energy Positrons in [100] Direction of the Silicon Crystal	SYSHCHENKO, Vladislav
12:50	zoom	
13:10	zoom	

e-/e+ beams interaction in solids (15:00 - 16:40)

-Conveners: Weihao Liu

time	[id] title	presenter
15:00	[182] Coherent Transition Radiation from Finite-Size Screen in the Prewave Zone	SHEVELEV, Mikhail
15:20	[129] Transition radiation from hollow beams	Dr SERGEEVA, Daria
15:40	[218] Volume Reflection Undulator	Dr SHCHAGIN, Alexander
16:00	[136] Electron beam profile determination by multi-angle scanning using scintillation optical fiber	Dr STUCHEBROV, Sergei
16:20	[152] Quasi-continuous particle generation in a pyroelectric accelerator	OLEINIK, Andrei