

Poster Session

General Properties of Radiation	
A.M. Altmark , Total Field Generated Inside a Relativistic Electron Beam Propagating in a Rectangular Dielectric Waveguide	
V.M. Bondarenko , Reconstruction procedure for single-photon radiation spectra from multi-photon ones	
A.V. Dik , Electromagnetic Radiation of Electron Bunches Channeled in Ion-channels	
E.I. Fix , Coherent Production of Relativistic Ps Atoms by High Energy Photons and Electrons in Aligned Crystals - Revisited	
E.M. Harutyunyan , Optics of Gyrotropic Crystals in the Field of Two Counter-running Ultrasound Waves	
Vahagh Gharibyan , Radiation Produced by Shower Change Variation	
L.Sh. Grigoryan , Microwave Radiation from a Charged Particle Revolving along a Shifted Equatorial Orbit about a Dielectric Ball	
L.Sh. Grigoryan , On the Influence of a Dielectric Ball on Electromagnetic Processes	
Yu.P. Kunashenko , Photons Scattering on Planar Channeled Positron and Electron	
A.P. Potylitsyn , Monochromaticity of Compton backscattering radiation source for high intensity of a laser beam	
A.H. Shamamian , Propagation of the transverse waves in plasma interacting with laser beat waves	
Transition Radiation	
M.A. Aghinian , Gamma Cherenkov-Transition Radiation Produced by Charged Particles in Stratified Radiators	
V.V. Parazian , "Coherent Effects in the Transition Radiation of Electron Bunches on Acoustic Superlattices"	
S.R. Uglov , Overview of Experimental Investigation of X-ray Transition Radiation Generated by 300 900 MeV Electrons in Periodic Multifoil Radiators	
Parametric X-Radiation	
A.V. Shchagin , Fresnel Coefficients for Parametric X-ray Radiation	
Diffraction Radiation, Smith-Purcell Effect	
D.A. Shkitov , Coherent Diffraction Radiation as a Source of Electromagnetic Radiation	
Coherent Bremsstrahlung and Channeling Radiation	
S.V. Abdrashitov , Total Yield of Channeling Radiation from Relativistic Electrons and Positrons in Thin Si and C Crystals	
E.A. Babakhanyan , Above-Barrier Reflection and Degenerate States of Energy Band Spectrum in Planar Channeling of Electrons and Positrons in Crystals	
H. Gevorgyan , Radiatoion of the Positron Bunch at Channeling in Nanotubes	
A.S. Fomin , Spectral-Angular Distribution and Polarization of Non-Dipole Radiation by Relativistic Electrons in a Thin Crystal	
N.F. Shul'ga , Simulation of Coherent Radiation of Relativistic Electrons and Positrons in the Field of Periodically Bent Crystal Planes	
V.V. Syshchenko , Quantum chaos manifestation in the axial channeling	
T.A. Tukhfatulin , Flux Dynamics, Angular Distributions and Radiation of Relativistic Electrons and Positrons in a Half-wave Crystals	
V. Yaralov , Governing of the Channeling Radiation by Ultrashort Laser Pulses	
M.A. Zakharova , High-frequency Corrections to the Trajectories of Relativistic Electrons and Positrons at Axial Channeling in Si and W Crystals	

X-Ray Scattering without and by Acoustic Superlattices	
Z.G. Amirkhanyan , Study Small Structural Changes in Doped on-Liner Optic Crystals by X-ray Sychrotron Renninger Scanning	
R.Ts. Gabrielyan , Investigation of the Laue-Bragg case diffraction with Outside Influences	
A.H. Gevorgyan , Some Optical Properties of a Stack of Layers of Cholesteric Liquid Crystal and an Anisotropic Medium	
P.A. Grigoryan , Focusing of Hard X-rays at Quartz Single Crystals in the Presence of Temperature Gradient	
V.V. Harutyunyan , Study of Ionization Effects in Wide-band Gap Insulators under the External Influences	
S.G. Khlopuzyan , Program of Model Calculations of X-ray Diffraction with Outside Influences	
H.M. Manukyan , X-Ray Diffraction by the Triangular Model of Superlattice with a Stacking Fault	
V.Gh. Mirzoyan , Dynamic diffraction of X-ray on ADP single crystals under the influence of thermal gradient	
A.O. Okunev , Imaging of Defects in ZnGeP2 Crystals by X-Ray Topography on Base of Borrmann Effect	
V.A. Tkal , Quantitative Criteria for Quality Evaluation of Single Crystal Topography Images	
V.A. Tkal , Features of Digital Processing of Topography Contrast in Single Crystal Materials	
K.G. Trouni , Integral reflection coefficients for dynamic scattering of X-ray in weakly deformed crystals	
A.V. Shchagin , The Energy Resolutions and Fano Factors of Si(Li) and CdTe X-Ray Detectors	
A.M. Yeghazaryan , Rationale for a new principle of calculating the intensity of dynamically diffracted X-ray beam in single crystals with defects	
D.H. Zeynalyan , Two Schemes of Diffraction of X-ray Radiation Widely Divergent Beam	
Interaction of Particle Beams with Artificial Structures	
A.M. Altmark , The Transverse Dynamics of the Azimuthally Inhomogeneous Electron Bunch in a Multilayer Dielectric Waveguide of Circular Cross-section	
Yu. Cherepennikov , The Device for X-ray Absorption Spectral Analysis with using of Acoustic Monochromator	
A.C. Gevorkyan , Modeling of Refraction Indexes of some Types of Dielectrics under Influence of External Electromagnetic Fields	
S. Sarros , Channeling of Protons in Radially Compressed Carbon Nanotubes	

Control of Parameters of Plasma by Acoustic Superlattices and Monochromatic Optical Radiation	
A.S. Abrahamyan , The influence of the acoustoplasma discharge regime on the parameters of the gas-discharge CO ₂ – laser	
R.Yu. Chilingaryan , Changing the emission spectrum of the acoustoplasma discharge at change of parameters of the discharge in a CO ₂ – laser	
Q.G. Sahakyan , Determination of parameters of the acoustoplasma discharge using a method for solving of inverse problems	
Application of Radiation Beams	
S.V. Abdrashitov , Electron-Positron Pair Production by Channeling Radiation in Radiator-Converter Approach: Computer Modelling	
M.A. Aghinian , Methods for the Measurement of the Refractive Index of MeV Photons Using Total Internal and External Reflections	
R.H. Avakian , The Possibility of Obtaining Intense Neutron Source on the Base of Proton Cyclotron C18	
S.R. Gevorkyan , Lepton Pair Production in Peripheral Collisions of Relativistic Ions	
A.S. Kubankin , The Experimental Study of 10 Kev Electron Interactions with Plexiglas Surface	
Yu. P. Kunashenko , Coherent Production of Relativistic Ps Atoms by High Energy Photons and Electrons in Aligned Crystals - Revisited	
V.C. Nikoghosyan , About the Accumulation Regime and the Slow Output of Particles for Synchrotron with Low-energy	
A.P. Potylitsyn , Simulation of the Longitudinally Polarization Transfer from Moderately Relativistic Electrons to Positrons	
S.V. Trofymenko , Ionization Losses of High-Energy Electron-Positron Pair in Thin Targets	
S.G. Stuchebrov , Setups for Tomographic Imaging with Submillimetric Spatial Resolution	
I.E. Vnukov , Influence of Grains Size on Coherent Pair Production Process in Mosaic Crystals	