

Session Program

23-28 Sept 2018



Channeling 2018

PS2 - Poster session

Tuesday 25 September

18:40

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Session | **Convener:** Dr Sergey Galyamin

18:40-19:40

Electrostatic Cumulation of High-Current Electron Beams for Terahertz Sources

Speaker

Prof. Vladimir Baryshevsky

18:40-19:40

The Mechanism of Induced-Dispersive Channeling of Neutral Atoms and Molecules in Zeolite Channels, Natural Asbestos Fibers and Structured Cylindrical Superlattices

Speaker

Prof. Vladimir Vysotskii

18:40-19:40

Polarization Characteristics of the Grating Diffraction Radiation

Speaker

Dr Dmitry Shkitov

18:40-19:40

Azimuthal Asymmetry of Coherent Cherenkov Radiation From a Tilted Bunch

Speaker

Prof. Alexander Potylitsyn

18:40-19:40

Reaction Forces of Polarization Radiation

Speaker

Dr Anatoly Konkov

18:40-19:40

Surface Radiation from Charge Moving along Corrugated Metal Structure with Small Period

Speaker

Prof. Andrey Tyukhtin

18:40-19:40

Development of XRFA-SR Method with the Hard X-Ray (65 keV) Range for Paleoclimate Reconstruction (Selena River of Lake Baikal Region) at the Storage Ring VEPP-4M

Speaker

Dr Valentina Trunova

18:40-19:40

New Targets for Laser Proton Production

Speaker

Dr Luciano Velardi

18:40-19:40

Transition Radiation on Surface Waves

Speaker

Prof. Aram Saharian

18:40-19:40

Hybrid Graphene Based Material Promising Target in Laser Matter Interaction**Speaker**

Dr Alfio TORRISI

18:40-19:40

Cherenkov Radiation from Relativistic Heavy Ions in Liquid Radiator**Speaker**

Dr Rozhkova Elena

18:40-19:40

Plasma Electron Density Control in TNSA Regime Using fs Laser**Speaker**

Prof. Lorenzo Torrisi

18:40-19:40

Light Guiding By Defects Into Frustrated Cholesteric Liquid Crystals**Speaker**

Mr Vito Turco

18:40-19:40

Comparison of Electron Beam Attenuation in Samples of ABS and HIPS Plastics by Fused Deposition Modeling**Speaker**

Mr Yury Cherepennikov

18:40-19:40

Ultrashort Optical Parametric Amplifier and Oscillator up to the Near-Infrared**Speaker**

Mr Mario Galletti

18:40-19:40

Experimental Cave Design for Neutron Diffraction at a High Brilliance Source**Speaker**

Prof. Szabina Torok

18:40-19:40

Compact Thomson Parabola Spectrometer for Fast Diagnostics of Different Intensity Laser-Generated Plasmas**Speaker**

Prof. Lorenzo Torrisi

18:40-19:40

Capillary Optics. Modeling of Numerous Transformations of X-rays**Speaker**

Mr Aleksandr Baryshnikov

18:40-19:40

Peculiarities of Electron Beam Propagation through Polymer Samples Manufactured by Layer-by-Layer Fusing Method with Different Printing Parameters**Speaker**

Mr Sergei Stuchebrov

18:40-19:40

Particles Deflection, Focusing and Collimation in Optical Lattices**Speaker**

Mr Evgenii Frolov

18:40-19:40

The Transparency Effect in Two Wall Acoustic Tubes at the Presence of Standing and Running Acoustic Fields Exited There**Speaker**

Prof. Alpik Mkrtchyan

18:40-19:40

Synchrotron Radiation in a Homogeneous Medium for a Rotating Observer**Speaker**

Mr Vardazar Kotanjyan

18:40-19:40

X-ray Sampling Calorimeter for Bunch Length Measurement**Speakers**

Dr Alexey Gogolev, Dr Roman Rezaev

18:40-19:40

Features of Scattering of a Plane Electromagnetic Wave on a Conductive Ball**Speaker**

Ms Anush Sargsyan

18:40-19:40

Measurement of Gamma Radiation Beam Profile in the Cross Section by Analyzing of Cherenkov Radiation Generated in the Fiber during Multi-Angle Scanning**Speaker**

Mr Sergei Stuchebrov

18:40-19:40

New Linear Microfocus Bremsstrahlung Source Based on Compact Betatron With Light and Heavy Narrow Targets inside**Speaker**

Mr Vladimir Smolyanskiy

18:40-19:40

Polycapillary-Based X-Ray Tomography of Complex Samples with Porous Matrix**Speaker**

Mr Yury Cherepennikov

18:40-19:40

Investigation of the Iridescence Scattering of Hydrogen Atoms in Non-Chiral Carbon Nanotubes**Speaker**

Dr Nikolai Maksyuta

18:40-19:40

Multi-Particle Time-Domain Analysis of Coherent Synchrotron Radiation**Speaker**

Dr Subhendu Ghosh

19:40