

Session Program

Sep 23 - 28, 2018



Channeling 2018

PS2 - Poster session

Tue, September 25

6:40 PM

PS2 - Poster session

Session | Convener: Dr Sergey Galyamin

6:40 - 7:40 PM

Electrostatic Cumulation of High-Current Electron Beams for Terahertz Sources

Speaker

Prof. Vladimir Baryshevsky

6:40 - 7:40 PM

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

6:40 - 7:40 PM

Polarization Characteristics of the Grating Diffraction Radiation

Speaker

Dr Dmitry Shkitov

6:40 - 7:40 PM

Azimuthal Asymmetry of Coherent Cherenkov Radiation From a Tilted Bunch

Speaker

Prof. Alexander Potylitsyn

6:40 - 7:40 PM

Reaction Forces of Polarization Radiation

Speaker

Dr Anatoly Konkov

6:40 - 7:40 PM

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

Speaker

Prof. Andrey Tyukhtin

6:40 - 7:40 PM

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

6:40 - 7:40 PM

New Targets for Laser Proton Production

Speaker

Dr Luciano Velardi

6:40 - 7:40 PM

Transition Radiation on Surface Waves

Speaker

Prof. Aram Saharian

6:40 - 7:40 PM

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

Dr Alfio TORRISI

6:40 - 7:40 PM

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

Dr Rozhkova Elena

6:40 - 7:40 PM

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

Prof. Lorenzo Torrisi

6:40 - 7:40 PM

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

Mr Vito Turco

6:40 - 7:40 PM

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

Mr Yury Cherepennikov

6:40 - 7:40 PM

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

Mr Mario Galletti

6:40 - 7:40 PM

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

Prof. Szabina Torok

6:40 - 7:40 PM

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

Prof. Lorenzo Torrisi

6:40 - 7:40 PM

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

Mr Aleksandr Baryshnikov

6:40 - 7:40 PM

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

Mr Sergei Stuchebrov

6:40 – 7:40 PM

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

Mr Evgenii Frolov

6:40 – 7:40 PM

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

Prof. Alpik Mkrtchyan

6:40 – 7:40 PM

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

Mr Vardazar Kotanjyan

6:40 – 7:40 PM

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

Dr Alexey Gogolev, Dr Roman Rezaev

6:40 – 7:40 PM

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

Ms Anush Sargsyan

6:40 – 7:40 PM

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

6:40 – 7:40 PM

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

Mr Vladimir Smolyanskiy

6:40 – 7:40 PM

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

Mr Yury Cherepennikov

6:40 – 7:40 PM

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

Dr Nikolai Maksyuta

6:40 – 7:40 PM

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

Dr Subhendu Ghosh

7:40 PM