RREPS-17

Monday 18 September 2017

Poster Session - Foyer main building SR1 (16:30 - 18:00)

[id] title	presenter	board
[88] Mo-20 COHERENT DIFFRACTION RADIATION FROM BUNCH OF CORRELATED ELECTRONS / D. Danilova		
[89] Mo-21 CALCULATIONS OF SMITH-PURCELL RADIATION IN CORRUGATED DIELECTRIC CAPILLARY FOR THE WAKEFIELD ACCELERATION SCHEME / A. Tishchenko		
[82] Mo-14 RADIATION OF A CHARGED PARTICLE BUNCH IN PRESENCE OF A DIELECTRIC OBJECT WITH COMPLEX GEOMETRY / A. Tyukhtin		
[83] Mo-15 INVESTIGATION OF A ROTATION TECHNIQUE FOR THE TWO-DIMENSIONAL SYNCHROTRON RADIATION INTERFEROMETER AT PETRA III / A. Novokshonov		
[80] Mo-12 AZIMUTHAL ASYMMETRY OF COHERENT CHERENKOV RADIATION FROM A TILTED ELECTRON BUNCH / A. Potylitsyn		
[81] Mo-13 MASS DEPENDENCE OF SPECTRAL DISTRIBUTIONS OF CHERENKOV RADIATION FROM RELATIVISTIC ISOTOPES IN SOLID RADIATORS AND ITS POSSIBLE APPLICATION AS MASS SELECTOR / E. Rozhkova		
[87] Mo-19 SIMULATION OF COHERENT SMITH-PURCELL RADIATION FROM GRATINGS OF DIFFERENT PROFILE / K. Artyomov		
[84] Mo-16 VALIDATION OF GEANT4 X-RAY TRANSITION RADIATION MODEL FOR MULTILAYERED STRUCTURES / A. Savchenko		
[85] Mo-17 FEATURES OF COHERENT TRANSITION RADIATION FROM TRAIN OF CHARGE PARTICLE BUNCHES / D. Shkitov		
[102] Mo-34 FEATURES OF QUASICARACTERISTIC RADIATION OF PARTICLES AT COMBINED RADIATION TRANSITIONS BETWEEN STATES OF BRAGG DIFFRACTION AND CHANNELING / V. Vysotskii		
[100] Mo-32 ENHANCEMENT OF d(d,n)3He REACTION INITIATED BY 20 KEV DEUTERONS CHANNELED IN TEXTURED CVD – DIAMOND TARGET / M. Negodaev		
[101] Mo-33 POSITRONS VS ELECTRONS CHANNELING IN SILICON CRYSTAL: ENERGY LEVELS, WAVE FUNCTIONS AND QUANTUM CHAOS MANIFESTATIONS / V. Syshchenko		
[69] Mo-1 THE CMS BRIL PROJECT AND THE CALIBRATION OF DETECTORS FOR LUMINOSITY MEASUREMENT / A. Babaev		
[99] Mo-31 CHANNELING OF RELATIVISTIC ELECTRONS IN MAIN CHARGED PLANES OF CsCl-TYPE CRYSTALS / N. Maksyuta		
[98] Mo-30 ON THE PECULIARITIES OF RELATIVISTIC ELECTRONS CHANNELING AND QUASI-CHARACTERISTIC RADIATION IN DIFFERENT CHARGED PLANES OF THE CRYSTALS WITH ZINC BLENDE STRUCTURE / N. Maksyuta		

[91] Mo-23 LASER BASED CHANNELING FOR MUON BEAM SHAPING / A. Babaev		
[90] Mo-22 ORBITAL ANGULAR MOMENTUM OF CHANNELING RADIATION FROM RELATIVISTIC ELECTRONS AND POSITRONS IN THIN SI CRYSTAL / S. Abdrashitov		
[93] Mo-25 THE POLARIZATION CHARACTERISTICS OF RADIATION FROM ELECTRONS CHANNELED IN A HALF-WAVE CRYSTAL / O. Bogdanov		
[92] Mo-24 TWO PHOTONS RAMAN SCATTERING BY THE CHANNELING ELECTRON / D. Badreeva		
[95] Mo-27 NUMERICAL SIMULATIONS OF BEAM DYNAMICS IN LASER CHANNELS / E. Frolov		
[94] Mo-26 PERTURBATION THEORY ANALYSIS OF SELF AMPLIFIED CHANNELING RADIATION AT BRAGG DIFFRACTION CONDITIONS / S. Chuchurka		
[97] Mo-29 BAND STRUCTURE OF THE TRANSVERSE MOTION OF RELATIVISTIC MUONS AT THE PLANAR CHANNELING / L. Xiatong		
[96] Mo-28 MECHANISMS OF 200 MEV ELECTRON RADIATION IN DIAMOND CRYSTAL AT AXIAL ORIENTATION / V. Ganenko		
[86] Mo-18 FINE FEATURES OF PARAMETRIC X-RAY RADIATION BY RELATIVISTIC ELECTRONS AND IONS / Yu. Eikhorn		
[77] Mo-9 PECULIARITIES OF ELECTROMAGNETIC OSCILLATIONS GENERATED BY A CHARGED PARTICLE CROSSING THE CONDUCTIVE PLATE / A. Sargsyan		
[76] Mo-8 COVARIANT FORMULATION OF RETARDED TIME IN THE THEORY OF RELATIVISTIC RADIATION / A. Kulikova		
[75] Mo-7 RADIATION OF SURFACE WAVES FROM A CHARGE ROTATING AROUND A DIELECTRIC CYLINDER / A. Kotanjyan		
[74] Mo-6 ELECTROMAGNETIC FIELD OF A CHARGED PARTICLE BUNCH MOVING IN A CYLINDRICAL WAVEGUIDE CONTAINING SEMI-INFINITE AREA WITH PARTIALLY DIELECTRIC FILLING / A. Grigoreva		
[73] Mo-5 COHERENT SHORTWAVE UNDULATOR RADIATION OF A TRUNCATED ELECTRON BUNCH / K. Gevorgyan		
[72] Mo-4 GENERATION AND PROPERTIES OF THE ELECTRON BUNCH RADIATION IN GAS-LOADED UNDULATOR / H. Gevorgyan		
[71] Mo-3 ON LIMITS OF DESCRIPTION FOR A QUANTUM PARTICLE IN LASER CHANNELS / A. Dik		
[70] Mo-2 KINETICS OF RELATIVISTIC ELECTRONS UNDERGOING SMALL RECOILS IN PERIODIC STRUCTURES AND MATTER / E. Bulyak		
[79] Mo-11 PECULIARITIES OF FOCUSING OF CHERENKOV RADIATION USING DIELECTRIC CONCENTRATOR / S. Galyamin		
[78] Mo-10 STIMULATED RADIATION FORMED IN THE UNDULATOR WITH INTERVALS / A. Shamamyan		

Tuesday 19 September 2017

Poster Session - Foyer main building SR1 (17:00 - 18:30)

[id] title	presenter	board
[133] Tu-31 THE METHOD FOR THE ELECTRON BEAM CROSS SECTION MEASUREMENT BASED ON CHERENKOV RADIATION DETECTION BY MULTIANGULAR SCANNING / S. Stuchebrov		
[132] Tu-30 ENERGY EFFICIENCY OF RAMPED BUNCH TRAIN AS A DRIVER BEAM IN DIELECTRIC WAKEFIELD ACCELERATING STRUCTURE / I. Sheinman		
[131] Tu-29 IONIZATION LOSS OF 7 GEV ELECTRONS AND POSITRONS IN SI DETECTOR / A. Shchagin		
[130] Tu-28 PIEZO-X-RAY TRANSFORMER / A. Shchagin		
[137] Tu-35 NON-DESTRUCTIVE MEASUREMENT OF ELECTRON MICROBUNCH SEPARATION / H. Zhang		
[136] Tu-34 NEW DIAGNOSTIC METHOD FOR ULTRA-RELATIVISTIC ELECTRON BEAM PARAMETERS USING DIFFRACTED DIFFRACTION RADIATION FROM PERIODICAL STRUCTURES / I. Vnukov		
[135] Tu-33 ABOUT A CONTACTLESS TRANSMISSION OF 10 KEV ELECTRONS THROUGH TAPERING MICROCHANNELS / K. Vokhmyanina		
[134] Tu-32 GENERATION OF X-RAYS BY ELECTRONS RECYCLING THROUGH THIN INTERNAL TARGETS OF CYCLIC ACCELERATORS / S.Uglov		
[139] Tu-37 COHERENT RADIATION IN THZ FEL / L. Gevorgian		
[138] Tu-36 MODELING OF THE FODO FOCUSING SYSTEM FOR THE MULTIBUNCH BEAM-BASED THZ SOURCE / A. Altmark		
[120] Tu-18 FINE SPECTRAL STRUCTURE OF FOCUSED X-RAY BEAM BY POLYCAPILLARY LENS / A. Gogolev		
[121] Tu-19 EMISSION OF X-RAY RADIATION AT SQUEEZING OF PIEZOELECTRIC IN VACUUM / O. Ivashchuk		
[122] Tu-20 THE USE OF CERAMIC CATHODE BASED ON LANTHANUM AND TITANIUM BORIDES TO GENERATE LARGE CROSS SECTION ELECTRON BEAMS / M. Kuznetsov		
[123] Tu-21 THE PECULIARITIES OF ORIENTATION MOTION OF NEUTRAL PARTICLES IN NANOTUBES WITH DIFFERENT CHIRALITIES / N. Maksyuta		
[124] Tu-22 FORMATION OF THE CLINICAL ELECTRON BEAM WITH THE HELP OF HIPS-PLASTIC DEVISES PRODUCED BY RAPID PROTOTYPING TECHNIQUES / I. Miloichikova		
[125] Tu-23 EXPERIMENTAL STATION WITH CONTINUOUS ELECTRON BEAM FOR INVESTIGATION OF VARIOUS MECHANISMS OF EM RADIATION GENERATION / R. Nazhmudinov		
[126] Tu-24 TRANSITION RADIATION ON A SUPERLATTICE IN FINITE THICKNESS PLATE GENERATED BY TWO ACOUSTIC WAVES / V. Parazian		

[127] Tu-25 APPLICATION OF CARBON NANOTUBES IN PYROELECTRIC X-RAY SOURCE / A. Oleinik		
[128] Tu-26 EXPERIMENTAL INVESTIGATION OF PROPERTIES OF A PYROELECTRIC X-RAY SOURCE / A. Oleinik		
[129] Tu-27 GENERATION OF NEUTRONS BY d (d,n) 3He REACTION FUSION USING LOW ENERGY DEUTERONS / A. Oleinik		
[118] Tu-16 EXPERIMENTAL TEST STAND FOR ADVANCED INSTRUMENTATION DEVELOPMENT AT DIAMOND LIGHT SOURCE / L. Bobb		
[115] Tu-13 OBSERVATION OF POSITRONS PRODUCTION IN W TARGET BY 7 GEV ELECTRONS / S. Trofymenko		
[114] Tu-12 SIMULATION OF THE ELECTRON COHERENT RADIATION PROCESS IN A CRYSTALLINE UNDULATOR / N. Shul'ga		
[111] Tu-9 IONIZATION LOSS OF 50 GEV PROTONS IN SILICON WITH THICKNESS FROM 157 μM TO 10 MM / R. Nazhmudinov		
[110] Tu-8 ABOUT PECULIARITIES OF ABSORPTION AND ZONE STRUCTURE OF METAMATERIAL-BASED ONE-DIMENSIONAL PHOTONIC CRYSTALS / A. Mkrtchyan		
[113] Tu-11 ON COHERENT AND INCOHERENT SCATTERING AND RADIATION BY CHARGED HIGH ENERGY PARTICLES IN THIN CRYSTALS / N. Shul'ga		
[112] Tu-10 APPEARANCE AND DISAPPEARANCE OF THE LANDAU SPECTRAL PEAK / A. Shchagin		
[119] Tu-17 POLYCAPILLARY BASED X-RAY μTOMOGRAPHY OF MIXED OBJECTS MADE OF LOW AND HIGH ABSORBING MATERIALS / Yu. Cherepennikov		
[108] Tu-6 THE STUDY OF PARAMETERS OF DIFFRACTED X-RAYS DEPENDING UPON THE DISTANCE OF THE SOURCE AND THICKNESS OF THE SINGLE CRYSTAL UNDER THE PRESENCE OF TEMPERATURE GRADIENT / V. Margaryan		
[109] Tu-7 NON-DIPOLE FEATURES IN THE PHOTON EMISSION SPECTRUM OF THE FAST ORIENTED ELECTRON IN THE CRYSTAL / E. Mazur		
[103] Tu-1 POSITRON SOURCE VIA COHERENT BREMSSTRAHLUNG BY 10 MEV ELECTRONS: CRYSTALLINE RADIATOR AND AMORPHOUS CONVERTER / S. Abdrashitov		
[106] Tu-4 COHERENT TYPE A PRODUCTION OF RELATIVISTIC Ps BY PHOTON AND ELECTRONS IN CRYSTAL / Yu. Kunashenko		
[107] Tu-5 QUANTUM THEORY OF X–RAY RADIATION FROM RELATIVISTIC ELECTRONS AT SMALL–ANGLE REFLECTION / Yu. Kunashenko		
[104] Tu-2 CRYSTAL PARAMETERS OPTIMIZATION FOR MEASURING THE MAGNETIC DIPOLE MOMENTS OF Λc+ AT THE LHCb DETECTOR / A. Fomin		
[105] Tu-3 RADIATION OF A FAST ELECTRON IN A PHOTONIC CRYSTAL STRUCTURE / Yu. Krotov		
[117] Tu-15 APPLICATION OF DIELECTRIC FIBERS FOR THE ELECTRON BEAM DIAGNOSTIC / V. Bleko		

[116] Tu-14 LUMINESCENCE SPECTROSCOPY UNDER X-RAY - VUV EXCITATION / E. Aleksanyan		
[140] Tu-38 SIMULATION STUDY OF ‘COMB’ ELECTRON BEAM AND THZ GENERATION AT DELHI LIGHT SOURCE / V. Joshi		