

September 29, 2008, Monday

10.00 – 11.00 Session 1.1

Modern trends in Accelerator Development

Chairman – I. Meshkov

10.00 – 10.30
(30 min)

D. Kazakov (JINR, Dubna) Modern Problems in Particle Physics and New Challenges at TeV Scale

10.30 – 11.00 Coffee break

11.00 – 12.30 Session 1.2

Modern trends in Accelerator Development

Chairman – I. Meshkov

11.00 – 11.30
(30 min)

W. Bialowons (DESY, Germany) The International Linear Collider from RDR to TDP

11.30 – 12.00
(30 min)

J.-P. Delahaye (CERN, Switzerland) Status and Trends of The Compact Linear Collider (CLIC) Study

12.00 – 12.30
(30 min)

Y. Yuan (IMP CAS, China) Status of The HIRFL-CSR

12.30 – 14.00 Lunch

14.00 – 15.50 Session 2

Colliders

Chairman – G. Kulipanov

14.00 – 14.30
(30 min)

D. Berkaev (BINP SB RAS, Novosibirsk) Status and Progress VEPP-2000

14.30 – 15.00
(30 min)

M. Zobov (INFN LNF, Italy) DAΦNE Operating Experience with Crab Waist Collisions

15.00 – 15.30
(30 min)

V. Smaluk (BINP SB RAS, Novosibirsk) Status of VEPP-4M Collider at BINP

15.30 – 15.50
(20 min)

A. Sidorin (JINR, Dubna) Project of The Nuclotron-based Ion Collider Facility (NICA) at JINR

15.50 – 16.20 Coffee break

16.20 – 17.40 Session 3.1

Particle dynamics in accelerators and storage rings, cooling methods, new methods of acceleration

Chairman – P. Zenkevich

16.20 – 16.50
(30 min)

B. Lorentz (FZJ, Germany) Machine Aspects of Spin-Filtering Experiments

16.50 – 17.20
(30 min)

Yu. Senichev (FZJ, Germany) Magneto-optic Structures for Synchrotrons with Negative Momentum Compaction Factors

17.20 – 17.40
(20 min)

E. Bessonov (Lebedev Physical Institute RAS, Moscow) Stimulated Radiation Cooling

September 30, 2008, Tuesday

09.00 – 10.20 Session 3.2

Particle dynamics in accelerators and storage rings, cooling methods, new methods of acceleration

Chairman – V. Parkhomchuk

09.00 – 09.20 (20 min)	P. Zenkevich (ITEP, Moscow)	Analytical Study of Beam Equilibrium for Non-Magnetized Electron Cooling in The High Energy Storage Ring (HESR)
09.20 – 09.40 (20 min)	Yu. Chesnokov (IHEP, Protvino)	Review of Studies and Application of Bent Crystals for Beam Steering at U70
09.40 – 10.00 (20 min)	V. Zhabitsky (JINR, Dubna)	LHC Transverse Feedback System: First Results of Commissioning
10.00 – 10.20 (20 min)	A. Kobets (JINR, Dubna)	Status of The LEPTA facility

10.20 – 11.00 Coffee break

11.00 – 12.30 Session 4.1

Cycling and linear accelerators

Chairman – M. Zobov

11.00 – 11.30 (30 min)	S. Ivanov (IHEP, Protvino)	Accelerator Complex U70 of IHEP-Protvino: Status and Upgrade Plans
11.30 – 12.00 (30 min)	N. Alexeev (ITEP, Moscow)	ITEP TWAC status report
12.00 – 12.30 (30 min)	L. Kravchuk (INR RAS, Moscow)	Operation and Research Activities at The INR Accelerator Complex

12.30 – 14.00 Lunch

14.00 – 15.20 Session 4.2

Cycling and linear accelerators

Chairman – N. Alexeev

14.00 – 14.30 (30 min)	L. Conradie (iThemba LABS, South Africa)	The Accelerator Facilities of The National Research Foundation in South Africa
14.30 – 15.00 (30 min)	B. Gikal (JINR, Dubna)	Heavy Ion Cyclotrons of FLNR JINR – Status and Plans
15.00 – 15.20 (20 min)	A. Butenko (JINR, Dubna)	Status of The Nuclotron. “Nuclotron-M” project

15.20 – 15.50 Session 5.1

SR Sources and FELs

Chairman – V. Korchuganov

15.20 – 15.50 (30 min)	N. Vinokurov (BINP SB RAS, Novosibirsk)	Novosibirsk Free Electron Laser: Operation and Second Stage Commissioning
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15.50 – 16.20 Coffee break

16.20 – 17.20 Session 5.2

SR Sources and FELs

Chairman – V. Korchuganov

16.20 – 16.50 (30 min)	V. Korchuganov (RRC “Kurchatov Institute”, Moscow)	First Results of Siberia-2 Storage Ring Operation with 7.5 T Superconducting Wiggler
16.50 – 17.20 (30 min)	V. Mikhailin (MSU, Moscow)	Synchrotron Radiation in Spectroscopy

October 1, 2008, Wednesday

09.00 – 10.40 Session 5.3

SR Sources and FELs

Chairman – E. Syresin

09.00 – 09.20 (20 min)	V. Korchuganov (RRC "Kurchatov Institute", Moscow)	Modernization and Development of Kurchatov Center of Synchrotron Radiation and Nanotechnology
09.20 – 09.40 (20 min)	A. Serov (Lebedev Physical Institute RAS, Moscow)	Operation of Synchrotron "Pakhra" in Synchrotron Radiation Source Mode
09.40 – 10.00 (20 min)	A. Wagner (Tomsk Polytechnic University)	The Comparison of Monochromatic X-ray Sources Based on X-ray Tube and 5 MeV Microtron for Possible Application in Medicine
10.00 – 10.20 (20 min)	N. Shul'ga (NSC KIPT, Kharkov)	Physics of Coherent Radiation of Relativistic Electron Bunches
10.20 – 10.40 (20 min)	M. Gorbunov (MEPhI, Moscow)	Partially Coherent EM Radiation of an Electron Bunch

10.40 – 11.10 Coffee break

11.10 – 12.30 Session 6

Power supplies, magnetic and vacuum systems

Chairman – S. Ivanov

11.10 – 11.30 (20 min)	A. Anoshin (RRC "Kurchatov Institute", Moscow)	A new Injection System for Kurchatov Source of SR
11.30 – 11.50 (20 min)	Yu. Alenitsky (JINR, Dubna)	Correction of The Cyclotron RIC-30 Magnetic Field
11.50 – 12.10 (20 min)	O. Belikov (BINP SB RAS, Novosibirsk)	Four-Quadrant Power Supplies for Steering Electromagnets for Electron- Positron Collider
12.10 – 12.30 (20 min)	P. Nemytov (BINP SB RAS, Novosibirsk)	Powerful Electron Accelerator ELV-12 for Ecological Applications: Power Supply and Control

12.30 – 14.00 Lunch

14.00 – 14.40 Session 7

SC accelerators and cryogenics

Chairman – S. Ivanov

14.00 – 14.20 (20 min)	A. Orlov (IHEP, Protvino)	Starting-Up and Adjustment Works on Cryogenic and Vacuum System of The Superconducting Radio-Frequency Separator
14.20 – 14.40 (20 min)	V. Zubko (IHEP, Protvino)	Development of Quadrupole for The SIS300

14.40 – 15.40 Session 8

RF acceleration systems

Chairman – N. Alexeev

14.40 – 15.00 (20 min)	V. Zvyagintsev (TRIUMF, Canada)	Development, Production and Tests of Prototype Superconducting Cavities for The High Beta Section of The ISAC-II Heavy Ion Accelerator at TRIUMF
15.00 – 15:20 (20 min)	M. Kats (ITEP Moscow)	Compact and Cheap Systems for Transport Proton and Ion Beams
15.20 – 15.40 (20 min)	I. Sedlyarov (BINP SB RAS, Novosibirsk)	Project of RF System for 2.2 GeV Electron Storage Ring – Zelenograd SR Source

15.40 – 16.10 Coffee break

16.10 – 17.50 Session 9

Control systems and diagnostics

Chairman – A. Medvedko

16.10 – 16.30 (20 min)	N. Malitsky (BNL, USA)	Overview of The NSLS-II Control System
16.30 – 16.50 (20 min)	A. Feschenko (INR RAS, Moscow)	Peculiarities of Bunch Shape Measurements of H-minus Beams in Linear Accelerators
16.50 – 17.10 (20 min)	A. Tron (Lebedev Physical Institute RAS, Moscow)	X-ray Streak Camera of 10 fs Resolution for XFEL
17.10 – 17.30 (20 min)	E. Syresin (JINR, Dubna)	Diagnostics of Ultrashort Electron Bunches Developed at JINR

October 2, 2008, Thursday

09.00 – 10.00 Session 1.3

Modern trends in Accelerator Development

Chairman – A. Skrinsky

09.00 – 09.30 (30 min)	L. Evans (CERN, Switzerland)	Status of The LHC
09.30 – 10.00 (30 min)	C. Dimopoulou (GSI, Germany)	Status Report on The FAIR Project
10.00 – 10.30 (30 min)	G. Shirkov (JINR, Dubna)	Dubna Siting and ILC Activity in JINR

10.30 – 11.00 Coffee break

11.00 – 13.00 Session 10.1

Accelerator application to medicine and technology

Chairman – G. Shirkov

11.00 – 11.30 (30 min)	V. Parkhomchuk (BINP SB RAS, Novosibirsk)	Radiation Therapy Facility Based on Carbon Ion Cooler Synchrotron
11.30 – 12.00 (30 min)	E. Syresin (JINR, Dubna)	Centers of Hadron Therapy on The Basis of Cyclotrons
12.00 – 12.30 (30 min)	S. Rastigeev (BINP SB RAS, Novosibirsk)	Radiocarbon Measurements and Background Investigation at SD RAS Accelerator Mass Spectrometer
12.30 – 13.00 (30 min)	G. Klenov (MRTI, Moscow)	Moscow Proton Therapy Facility

13.00 – 14.00 Lunch

14.00 – 15.50 Session 10.2

Accelerator application to medicine and technology

Chairman – E. Syresin

14.00 – 14.30 (30 min)	N. Kuksanov (BINP SB RAS, Novosibirsk)	Automated Complex for E-B Treatment of Cable and Wire Insulation
14.30 – 15.00 (30 min)	A. Strokach (NIIIEFA, St.- Peterburg)	Novel Compact Cyclotrons for Production of Radionuclides
15.00 – 15.30 (30 min)	D. Solnyshkov (NIIIEFA, St.- Peterburg)	Pulsed Neutron Generators at D.V. Efremov Research Institute
15.30 – 15.50 (20 min)	A. Bryazgin (BINP SB RAS, Novosibirsk)	Industrial High Energy Electron Accelerators Type ILU

15.50 – 16.20 Coffee break

16.20 – 17.20 Session 10.3

Accelerator application to medicine and technology

Chairman – N. Kuksanov

16.20 – 16.40 (20 min)	V. Tarnetsky (BINP SB RAS, Novosibirsk)	100 kW Modular Linear Accelerator for Industrial Applications with Electron Energy of 7.5÷10 MeV
16.40 – 17.00 (20 min)	V. Stolbunov (ITEP, Moscow)	Technological Line for Proton Irradiation of Semiconductor Structures

17.00 – 17.20 Session 11

Ion sources and electron guns

Chairman – N. Kuksanov

17.00 – 17.20 (20 min)	S. Bogomolov (JINR, Dubna)	Development of The ECR Ion Sources for The FLNR (JINR) Cyclotrons
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October 3, 2008, Friday

09.00 – 10.00 Session 11

Ion sources and electron guns

Chairman – E. Syresin

09.00 – 09.20
(20 min)

S. Yakovenko (JINR, Dubna)

Development of The Positron Injector for LEPTA Facility

09.20 – 09.40
(20 min)

M. Eseev (PSU,
Arkhangelsk)

Dynamic Positronic Bunch in SURKO Trap Of Lepta Facility

09.40 – 10.20 Session 12

Ion sources and electron guns

Chairman – E. Syresin

09.40 – 10.00
(20 min)

A. Stepanov (NII-EFA, St.-
Peterburg)

System for The Radionuclide Diagnostics

10.00 – 10.20
(20 min)

G. Timoshenko (JINR,
Dubna)

Monte-Carlo Simulations for Estimation of The Radiation Environment
Around The Modernized Nuclotron

10.20 – 11.00 Session 3.3

Particle dynamics in accelerators and storage rings, cooling methods, new methods of acceleration

Chairman – B. Sharkov

10.20 – 10.40
(20 min)

Ye. Fomin (RRC "Kurchatov
Institute", Moscow)

Electron Beam Dynamics in LINAC of Kurchatov Source of SR with
Energy Doubling

10.40 – 11.00
(20 min)

V. Kapin (ITEP, Moscow)

Influence of Beam Space Charge on Dynamical Aperture of TWAC
Storage Ring

Poster session A (Monday, September 29, 2008, 17.40 – 18.50)

Session A3

Particle dynamics in accelerators and storage rings, cooling methods, new methods of acceleration

A3-1	A.V. Bondarenko (BINP)	A new beam extraction scheme from a synchrotron using a magnetic shield as a septum
A3-2	S.E. Bragin (INR RAS)	Various Matrix Formalism to Design the Ion Linear Accelerators
A3-3	E.V. Gorbachev (JINR)	Implementing elements of digital transverse feedback system in Altera FPGA.
A3-4	D.A. Krestnikov (JINR)	Simulation of pellet target experiments with BETACOOOL code
A3-5	A.E. Lagutin (Belarus, Minsk)	Experimental Results of the Beam Dynamics by Using Glass Capillaries for the ESA-2
A3-6	M.V. Lalayan (MEPhI)	Power coupler field asymmetry influence on beam dynamics in accelerators with superconducting cavities
A3-7	A.V. Larionov (PTC LPI)	New scheme for magnetic compression of the multiple beam at the powerful multi-beam klystron.
A3-8	O.P. Lebedev (IHEP)	Narrow-Band Feedback System to Damp Transverse Coherent Oscillations of Beam in U60
A3-9	N.D. Malitsky (BNL, USA)	UAL 3: Aspect-Oriented Approach
A3-10	E.S. Masunov (MEPhI)	Ion Beam Dynamics in Array of Independently Phased Cavities
A3-11	E.S. Masunov (MEPhI)	Proton Beam Dynamics Simulation in UNDULAC-RF Prototype
A3-12	A.N. Opanasenko (NSC KIPT)	Alternating Wake Force in Rectangular Waveguide with Periodic Perturbed Walls
A3-13	A.N. Opanasenko (NSC KIPT)	Correction terms to Panofsky-Wenzel
A3-14	V.V. Paramonov (INR RAS)	Transverse Deflecting Structure Parameters Study
A3-15	E.E. Perepelkin (JINR)	CBDA - Cyclotron Beam Dynamics Analysis code
A3-16	R.V. Pivin (JINR)	Simulation study of moving barrier buckets at NESR using BETACOOOL code
A3-17	Yu.P. Severgin (Institute Giproinickel)	Equilibrium Emittance Optimization of Combined Function Lattices
A3-18	O.E. Shishanin (MSIU)	Analytical description of betatron oscillations in linear machines
A3-19	V.A. Shklyaev (IHCE SB RAS)	The simulation of runaway electrons beam formation in gas-filled diode
A3-20	Yu.V. Tereshonkov (SPbU)	A "what-if" analysis for high-precision systems
A3-21	S.B. Vorozhtsov (JINR)	Calculations of the beam transmission and quality in the RIKEN AVF cyclotron
A3-22	A.S. Gurevich (IHEP)	Computational Simulation and Experimental Research of Beam RF Capture into IHEP Booster
A3-23	V.A. Moiseev (INR RAS)	Various matrix formalism to design the ion linear accelerators
A3-24	A.I. Papash (JINR)	Feasibility study of nanosecond pulsed operation mode for an ultra-low energy storage ring at FAIR
A3-25	Yu.V. Tereshonkov (SPbU)	Mathematical and computer modeling of fringe fields in beam lines
A3-26	E.M. Syresin (JINR)	Incoherent vertical ion losses at cooling stacking injection
A3-27	A. Romanov (BINP)	Correction the Round Beam Lattice of VEPP-2000 Collider Using Orbit Response Technique
A3-28	A.A. Drozdovskiy (ITEP)	Plasma Lens of the ITEP Heavy Ion Accelerator

Poster session B (Tuesday, September 30, 2008, 17.20 – 18.50)

Session B4

Cycling and linear accelerators

B4-1	A.S. Gurevich (IHEP)	Deuteron Beam Acceleration at Linac I-100 and IHEP Booster
B4-2	V.G. Kurakin (Lebedev Physical Institute RAS)	Superconducting RF Electron Recirculator for Nuclear Physics Research at Lebedev Physical Institute
B4-3	A.O. Sidorin (JINR)	Conceptual Design of the Nuclotron Booster in the NICA Project
B4-4	A.O. Sidorin (JINR)	Heavy ion injector for NICA/MPD project
B4-5	A.A. Zavadtsev (STS)	RELUS-5 electron linac start-up.
B4-6	I.N. Kiyon (JINR)	Iterative method for modeling of steady operation modes of multipurpose isochronous cyclotrons
B4-7	E.V. Ponomareva (INR RAS)	Transportation of the proton beam at the Experimental complex of linear acceleration INR of the RAS
B4-8	G.G. Subbotin (Lebedev Physical Institute RAS)	The new operation mode of synchrotron "Pakhra"
B4-9	Yu.D. Tur (NSC KIPT)	Operational reliability of the NSC KIPT technological electron linacs
B10-10	V.G. Raevsky (Lebedev Physical Institute RAS)	55 MeV Race-Track Microtron of the Lebedev Institute
B10-11	O.N. Borisov (JINR)	Beam Extraction of the Heavy Ions with Low Energy (5.0-9.0 MeV/amu) from the U-400M cyclotron"
B10-12	I.A. Ivanenko (JINR)	Compensation of the beam vertical defocusing at the exit of U400 cyclotron spiral inflector

Session B5

SR Sources and FELs

B5-1	V.G. Bagrov (IHCE SB RAS)	The comparative analysis of the angular distribution of synchrotron radiation for a spinless particle in classical and quantum theories
B5-2	L.G. Sukhikh (TPU)	Feasibility of pre-bunched FEL based on coherent diffraction radiation
B5-3	S.I. Tomin (RRC "Kurchatov Institute")	Feasibility Study of Diffraction Limited X-ray Source in Kurchatov Center of Synchrotron Radiation
B5-4	V.N. Korchuganov (RRC "Kurchatov Institute")	Edge Radiation at Siberia-2 Storage Ring
B5-5	M.I. Ryazanov (MEPhI)	Transition radiation at grazing incidence as a source of X-rays
B5-6	K. Zhukovsky (MSU)	Undulator radiation in a periodic magnetic field with a constant component
B5-7	K.A. Ispiryan (YerPhI)	Production of Intense Quasimonochromatic X-Ray Beams Using Small 2-20 MeV Accelerators (Review)
B5-8	O. Anchugov (BINP)	"Zelenograd" storage ring (Status and nearest planes)
B5-9	A.V. Philipchenko (BINP)	"ZELENOGRAD" storage ring (Status and nearest planes)

Session B6

Power supplies, magnetic and vacuum systems

B6-1	V.B. Reva (BINP)	Prototype of the section for the high voltage cooler
B6-2	K.M. Gorchakov (BINP)	Status of the power supply systems for the bending magnets of the BEP booster and VEPP-2000 collider
B6-3	A.P. Strokach (NII-EFA)	Research Facility for Automated Measurements of the Cyclotron Magnetic Field Topography
B6-4	B.Z. Movshevich (IAP RAS)	Formation of high voltage rectangular pulses for powerful microwave devices
B6-5	P.I. Nemytov (BINP)	Direct methods of measuring and stabilization of accelerating voltage in charged particle accelerators based on cascade generators
B6-6	D.V. Senkov (BINP)	Buffer power source with output voltage up to 200V and output power up to 25kW
B6-7	D.V. Senkov (BINP)	High-voltage source with output voltage up to 60kV and output current up

to 500mA

B6-8	S.M. Shkirida (NSC KIPT)	25-kV modulator for electron source with semiconductor switch
B6-9	O.V. Belikov (BINP)	Bypass system for shunting of the electromagnets for accelerators and storage rings
B6-10	V.G. Mudrolubov (NIEFA)	Calculation of Vacuum Systems of the MCC-30/15 Cyclotron
B6-11	A.A. Zavadtsev (STS)	Solid state modulator for linear accelerators
B6-12	D.E. Berkaev (BINP)	System of Power Supply Ripples Measurement for VEPP-2000 Collider
B6-13	S. Belokrinitsky (BINP)	Modeling and magnetic measurements of dipole magnets of TNK synchrotron radiation source
B6-14	D.V. Bochkov (Pulsed technologies ltd.)	Application of TPI-10k/50 Thyratrons for Construction of Modulator, Intended for Supply of Inductive-Resistive Load in Double-Pulse Mode
B6-15	A. G. Steshov (BINP)	Modeling and magnetic measurements of dipole magnets of TNK synchrotron radiation source
B6-16	A.A. Drozdovskiy (ITEP)	Plasma Lens of the ITEP Heavy Ion Accelerator

Session B7

SC accelerators and cryogenics

B7-1	I. Bogdanov (IHEP)	Crossover Resistance of Superconducting Cable for Fast-Ramping Magnets of Particle Accelerators
B7-2	L.S. Shirshov (IHEP)	Stability Study of High-Current Superconducting Cables for Accelerator Magnets
B7-3	M.V. Lalayan (MEPhI)	High power capacitive input coupler for superconducting cavities

Poster session C (Wednesday, October 1, 2008, 17.50 – 19.00)

Session C8

RF acceleration systems

C8-1	V.I. Shvedunov (SINP MSU)	Diffraction accelerating structure field distribution measurements
C8-2	S.V. Kutsaev (MEPhI)	Accelerating structure for C-band electron linear accelerator optimization
C8-3	S.V. Kutsaev (MEPhI)	Multipactor simulations in axisymmetric and non-axisymmetric radio frequency structures
C8-4	A.I. Kvasha (INR RAS)	Development of the INR DTL RF System Crowbar Operation
C8-5	A.M. Markin (IHEP)	Upgrade of Feedback Loops in Accelerating Cavities of U70
C8-6	V. A. Moiseev (INR RAS)	RF-gap model presentation
C8-7	V.G. Mudrolubov (NIIIEFA)	The System of RF Power Supply of the MCC-30/15 Cyclotron
C8-8	M.E. Plotkin (IAP RAS)	High-Gradient Two-beam Accelerating Structure
C8-9	M.E. Plotkin (IAP RAS)	Theory of Thermal Fatigue of a Copper Surface under the Action of Pulsed Microwave Heating
C8-10	V. Zakutin (NSC KIPT)	Pulsed power source for the electron accelerator based on a high-power magnetron gun with a secondary-emission cathode
C8-11	V.G. Kurakin (Lebedev Physical Institute RAS)	External Parameters Calculations for RF-Resonator Excited Over an Aperture

Session C9

Control systems and diagnostics

C9-1	P.N. Alekseev (ITEP)	Functional control of the ITEP-TWAC Facility equipment
C9-2	S.G. Arutunian (YerPI)	Heat coupling in multi-wire vibrating wire monitor
C9-3	E.A. Bekhtenev (BINP)	Beam Position measurement system for VEPP2000 collider
C9-4	V.N. Boriskin (NSC KIPT)	Power Supply Control System for the Linac of the "NESTOR" Storage Ring.
C9-5	E.V. Kaportsev (RRC "Kurchatov Institute")	The Program Tools for KSRS Operation
C9-6	A.S. Kovalishin (Troitsk)	Systems quality improvement of DTL frequency control on accelerator INR RAS
C9-7	N.I. Moseiko (RRC "Kurchatov Institute")	Intellectual crate-controller K166
C9-8	P.I. Reinhardt-Nickoulin (INR RAS)	Modernization of BCT for INR linac
C9-9	P.I. Reinhardt-Nickoulin (INR RAS)	Ion monitor of transverse beam parameters for INR proton linac
C9-10	V. Shendrik (NSC KIPT)	The system to control the electron beam current and position at the accelerator LUE-60M-injector of the "NESTOR" facility
C9-11	V.I. Shvedunov (SINP MSU)	Beam parameters measurement of technological 10 MeV linac
C9-12	V.P. Voevodin (IHEP)	Information technologies in the IHEP U-70 accelerator complex control system
C9-13	V.A. Vorontsov	Optimization of the accelerator parameters by the interactive method
C9-14	D.E. Berkaev (BINP)	Control System for Injection Channels of VEPP-2000 Collider
C9-15	D.E. Berkaev (BINP)	Beam Measurement System of VEPP-2000 Injection Channels
C9-16	L.G. Sukhikh (TPU)	Transition and Smith-Purcell Pre-Wave Zone Radiation Density Amplification Using Paraboloidal Targets for Beam Diagnostics Purposes
C9-17	Yu. Rogovsky (BINP)	Calibration of the Beam Position Monitors for VEPP-2000
C9-18	V.V. Smaluk (BINP)	Multi-Pinhole Camera for Beam Position and Vertical Angle Stabilization

Poster session D (Thursday, October 2, 2008, 17.20 – 18.50)

Session D10

Ion sources and electron guns

D10-1	M. Reshetnyak (NSC KIPT)	Studies on relaxation-oscillation mode of current generation in the secondary-emission source
D10-2	Yu.D. Tur (NSC KIPT)	High voltage klystrons oxide cathode LIFETIME examination
D10-3	V.V. Kapin (MEPhI)	The Output Beam-Line and a Novel Ion Source of 2-MeV Proton RFQ Linac
D10-4	V. Tarnetsky (BINP)	RF gun for high power industrial electron accelerator
D10-5	V. Zakutin (NSC KIPT)	Beam steering by means of annular permanent magnets in the magnetron gun with a secondary-emission cathode

Session D11

Accelerator application to medicine and technology

D11-1	M.N. Stepanov (ZAO Podolskcable)	Using of ELV-type accelerators for radiation modification of cable and wire insulation in "Podolskcable" company
D11-2	R.N. Dronov (NSC KIPT)	Target complex for medical isotope production on the electron accelerator
D11-4	I. Guk (NSC KIPT)	Change of the plan of beam injection in recirculator SALO
D11-5	A.I. Korchagin (BINP)	Production of nanopowders using high power electron accelerator
D11-6	M.V. Korobeynikov (BINP)	Electron Beam Treatment Line Based on ILU-6 Electron Accelerator for Decontamination of Medicinal Raw and Sterilization of Medical Products
D11-7	V. Tkachenko (BINP)	Application of ILU-type accelerators for sterilization
D11-9	N.I. Zaitsev (IAP RAS)	500 keV, 200 A microsecond electron accelerator with a repetition rate of 10 Hz
D11-10	Yu.G. Alenitsky (JINR)	Isochronous cyclotron C250 for proton therapy application
D11-11	K.A. Ispiryan (YerPI)	A 20 MeV electron beamline for radiation process experiments at YerPhI
D11-12	M. Reshetnyak (NSC KIPT)	The use of electron beam from the magnetron gun-based accelerator for metal irradiation
D11-13	A.V. Stepanov (NIIEFA)	Ring Cyclotron for the Proton Therapy
D11-14	V.V. Kapin (MEPhI)	The Project of RFQ Linac for an Educational Laboratory at RAC of MEPhI.
D11-15	E.V. Ponomareva (INR RAS)	System of preliminary formation of the beam for the Complex of Proton Therapy
D11-17	Yu. Budanov (IHEP)	Development of Linear Accelerators as Injectors for Medical Accelerators in IHEP-Protvino

Session D12

Radiation problems in accelerators

D12-1	V. Shchegolev (JINR)	Calculations of biological shielding for storage rings of NICA
D12-2	G.N. Timoshenko (JINR)	Estimation of the Nuclotron radiation shielding modernized for the NICA project
D12-3	V.L. Ushkov (RRC "Kurchatov Institute")	First Results of the Radiation Measurements near Siberia-2 Storage Ring
D12-4	E.V. Ponomareva (INR RAS)	Beam Stop System for the INR Proton Linac
D12-5	V.G. Kurakin (Lebedev Physical Institute RAS)	Ecologically Clean Accelerator for Nuclear Physics Research