

Стендовая сессия “С” (Четверг, 7 октября 2004)
Poster session “С” (Thursday, October 7, 2004)

I. Modern trends of accelerator development, colliders

	Last_Name	Affiliation	Title
1.	Karamysheva G.A.	JINR	Program complex for cyclotron beam dynamic simulations
2.	Tolmachev S.V.	RRC "Kurchatov Institute"	Strong tapered undulator providing high electron energy gain acceleration by Gaussian laser beams
3.	Onishchenko I.N.	NSC KIPT, Kharkov	Ions Acceleration in a Temporary and Spatially Modulated Intense REB
4.	Yegorov A.M.	NSC KIPT, Kharkov	Conception of dielectric wake-field accelerator
5.	Kaminsky A.K.	JINR	Status of 30 GHz facility for experimental investigation of the copper cavity lifetime (CLIC collider project)

II. Beam dynamics in accelerators and storage rings, cooling methods, new methods of acceleration

	Last_Name	Affiliation	Title
1.	Agafonov A.A.	Lebedev Physical Institute	Non-Stationary Effects in Space-Charge Dominated Electron Beams
2.	Borisov O.	JINR	Numerical Simulation of the Beam Extraction from DC72 and U400R Cyclotrons by Stripping
3.	Demma T.	University of Sannio	Wakefields of Bunched Beams in Rings with Resistive Walls of Finite Thickness
4.			Coupling Impedances in the Beam Liner for a Coaxial LHC-Like Ring
5.	Elzhov A.V.	JINR	Influence of phase shift of accompanying wave on electron dynamics in two-beam accelerator driver
6.	Ivanov S.V.	IHEP, Protvino	A Stochastic Slow Extraction Scheme for U70 Synchrotron
7.	Kapin V.V.	МЭФИ	RFQ with an increased energy gain
8.	Karamysheva G.A.	JINR	Spiral inflector design
9.	Shevtsov V.F.	JINR	Multi-component ion beam code - MCIB04
10.	Kirochkin Yu.I.	IHEP, Protvino	The geodetic network construction for synchrotron U-70 by equalization via the correlate method
11.	Kobets V.V.	JINR	Динамика пучка в малогабаритном линейном ускорителе ионов на основе полицилиндрических резонаторов
12.	Lebedev A.N.	Lebedev Physical Institute	Electromagnetic Wave Scattering by Relativistic Particle in Magnetic Field
13.	Malovitsky A.Yu.	IHEP, Protvino	Investigation and Cures of Selfbunching at Slow Extraction of Beam from Proton Synchrotron U-70
14.	Pashkov P.T.	IHEP, Protvino	Measuring Inductive Component of Longitudinal Coupling Impedance in IHEP PS Using Gamma-transition Jump
15.	Demma T.	University of Sannio	Relativistic Beams, Debye Potentials and Fields
16.	Poseryaev A.V.	Skobeltsyn Institute of Nuclear Physics	Electron storage ring design for the compact X-ray source
17.	Zayarniy D.A.	Skobeltsyn Institute of Nuclear Physics	Status of work on laser electron accelerator with energy gradient 1 GeV/m.
18.	Shul'ga N.F.	NSC KIPT, Kharkov	On Deflection of Fast Charged Particle Beams by Bent Crystals
19.	Eliseev A.V.	JINR	Possibilities of optimization of Nuclotron's RF cycle

	Last_Name	Affiliation	Title
20.	Gromov A.M.	INR RAS, Troitsk	Mathematic modelling of race-track microtron
21.	Artiomov A.S.	JINR	Расчет внутренних мишеней и схемы компактных устройств для непрерывной и невозмущающей визуализации циркулирующих пучков ядер в синхротронах на примере Нуклотрона
22.	Alekseev Y.K.	Skobeltsyn Institute of Nuclear Physics	Diffraction accelerators of charged particles
23.	Knyazev B.A.	Novosibirsk SU	Resonantly enhanced photoionization as a technique for proton injection and storage
24.	Masunov E.S.	MEPhI	Low energy beam transportation for heavy ions in electrostatic undulator
25.	Svistunov Yu.A.	NIIEFA	Solving of the field problem in case of charged particle dynamics optimization
26.	Tarantin N.I.	JINR	Strong electrostatic focusing of intense beam of charged particles for direct accelerating
27.	Zadorozhny V.F.	Kiev	Acceleration and focusing as optimal control for dynamical systems.
28.	Andrianov S.N.	Saint-Petersburg State University	Analytical and Numerical Methods in Beam Physics
29.	Lapin V.V.	(IHEP, Protvino)	“The first stage of modification of the servo-spill feedback system for the slow resonant beam extraction from the IHEP 70 GeV”

III. High intensity cyclic and linear accelerators

	Last_Name	Affiliation	Title
1.	Gurevich A.S.	IHEP, Protvino	Upgrading Longitudinal Beam Behavior in IHEP Booster
2.	Ostreiko G.N.	BINP SB RAS	High-current standing wave linac with gyrocon power source
3.	Samsonov E.V.	JINR	Computation of beam dynamics with space charge in compact cyclotron on energy ~ 1.8 MeV
4.	Riabov G.A.	PNPI, Gatchina	Design and experimental investigation of the 200 – 900 MeV proton beam obtained by the moderation of 1000 MeV protons in the degrader.
5.	Grishanov B.I.	BINP SB RAS	Electron and positron injection system in a damping ring of an injection complex VEPP-5
6.			Development of a clystron equivalent load of the JLC
7.	Bogomolov S.	JINR	Axial injection channel of the DC-72 cyclotron
8.	Ivanenko I.	JINR	DC-72 cyclotron magnetic field formation
9.	Kalagin I.	JINR	Modernization of the U-400 axial injection system
10.	Khabarov M.V.	JINR	Modernization of a vacuum system of the IC-100 cyclical implantator
11.	Petrichenkov M.V.	BINP SB RAS	Accelerator Mass-Spectrometer for Siberian Division of RAS

IV. Magnetic systems, power supply and vacuum systems for accelerators

	Last_Name	Affiliation	Title
1.	Bertyaev A. M.	ITEP	Upgrade of the slow extraction system for synchrotron U-10.
2.	Fadin A.I.	MEPhI	The buncher optimization for the biperiodic accelerator structure with the high frequency focusing
3.	Kobets V.V.	JINR	Система ВЧ-питания ЛУЭ-200 проекта ИРЕН
4.	Koryovkina M.M.	JINR	Use LabView and DSC Software for the vacuum system of LUE-200

	Last_Name	Affiliation	Title
5.	Kozlov O.S.	JINR	Application of the superconducting transmission line to accelerator magnet design
6.	Krastelev E.G.	RNC Kurchatov Institute	Pulsed Power Generators for Two-Section LIA – Relativistic Magnetron Driver.
7.	Lapygin V.G.	IHEP, Protvino	The measurement of the pressure in vacuum chamber of U-70 synchrotron by discharge currents of the sputter-ion pumps.
8.	Morozov N.A.	JINR	Numerical Modeling of Vertical Bending Magnet for the Beam Transport Channel of the SAD Project
9.	Novoskoltsev F.N.	IHEP, Protvino	K ⁰ _L-beamline at the IHEP
10.	Petrov V.V.	BINP SB RAS	Normal Conducting Separation Dipoles for the LHC Beam Cleaning Insertions
11.	Strekalovskiy O.V.	JINR	Control of the Bruker Power Supply with CAN interface
12.	Tikhomirov A.V.	JINR	Numerical simulation of the beam transmission efficiency for design of vacuum system of DC72 cyclotron
13.	Drozdovsky A.A.	ITEP	Z – pinch as a plasma lens of the ion beam focusing system
14.	Shishanin O.E.	Moscow State Industrial University	Synchrotron radiation properties depending on various points of bending magnet
15.	Tolstun N.G.	NIEFA	Electron Beam Irradiation Field Forming Systems with Extended Bending Magnets
16.	Rukoyatkin P.A.	JINR	Beams of relativistic nuclei and nuclear fragments at external lines of the Nuclotron accelerator facility

V. Superconducting accelerators and technology of cryogenics

	Last_Name	Affiliation	Title
1.	Bogdanov I.V.	IHEP, Protvino	Quench Process in Fast-Cycling Superconducting Dipole for SIS300
2.	Dostovalov R.V.	BINP SB RAS	The vacuum studies for LHC beam screen with woven carbon fiber cryosorber.
3.	Shcherbakov P.A.	IHEP, Protvino	Magnetic Properties of Silicon Electrical Steels and Its Application in Fast Cycling Super-conducting Magnets at Low Temperatures
4.	Tkachenko L.M.	IHEP, Protvino	Comparative Analysis of Wide Aperture Dipole Designs for SIS300 Ring
5.			Minimization of Cable Losses in Fast-Cycling Dipole for SIS300 Ring
6.	Zavadtsev D.A.	MEPhI	Thermal calculations of input coupler for ERL injector
7.	Zubko V.V.	IHEP, Protvino	Enthalpy Margin and Stability of Fast-Cycling Dipole for SIS300 Ring
8.	Zvonarev I.A.	IHEP, Protvino	Study of the Possibility for SVAAP Energy Increase up to 15-20 MeV
9.	Alferov V.N.	IHEP, Protvino	A Cryo Complex Control Electronics