

**Poster session "B" (Wednesday, October 03, 2018)**

**Session 4. "04 High intensity cyclic and linear accelerators"**

<b>№</b>	<b>Last_Name</b>	<b>Affiliation</b>	<b>Title</b>	<b>Paper ID</b>
<b>4-1. Synchrotrons</b>				
1.	Vyacheslav Dyubkov	MEPhI, Moscow; NRC KI, Moscow	Results of Beam Dynamics Simulations for Two Variants of 6 GeV Booster of the 4th Generation Light Source USSR	WEPSB01
<b>4-2. Linacs</b>				
2.	Yuriy Chernousov	ICKC, Novosibirsk	Features of the formation of an electron beam in a linear accelerator on parallel-coupled structure	WEPSB02
3.	Tatyana Lozeeva	MEPhI, Moscow	Beam Dynamics Simulation for the New Heavy Ion LINAC-100 for DERICA	WEPSB03
4.	Yury Lozeev	MEPhI, Moscow	Thermodynamics Simulation for the CW Radio-Frequency Quadrupole Accelerator	WEPSB04
5.	Sergey Polozov	MEPhI, Moscow	Beam Dynamics Simulation Results in the 6 GeV Top-Up Injection Linac of the 4th Generation Light Source USSR	WEPSB05
6.	Alexander Opekunov	RFNC – VNIIEF, Sarov	Experimental Studies of Electron Beam Characteristics of High Power CW Resonance Accelerator	WEPSB06
7.	Leonid Polyakov	RFNC – VNIIEF, Sarov	Electron Injection System of CW Resonance Accelerator With High Power Electron Beam	WEPSB07
8.	Alexander Shein	RFNC – VNIIEF, Sarov	Prospects of Creating a Modern Resonance Electron Accelerator	WEPSB08
9.	Yury A. Budanov	NRC KI - IHEP, Protvino	Distinctions of RF Parameters Tuning for Acceleration Period of Structure with Spatially Periodic RFQ Focusing	WEPSB09
10.	Ivan Rybakov	INR RAS, Moscow	Study of the Heterogeneous Coupled System Model of Cds Section and Waveguide Segment Based on Multimode Approximation	WEPSB10
11.	Sergey Plotnikov	NRC KI - ITEP, Moscow	Features of Acceleration and Focusing of Cluster Ion Beam in Resonant Linac Structures	WEPSB11
12.	Yuri Svistunov	NIIIEFA, St. Petersburg	Acceleration of the Multicharged Ions with Different A/Z Ratios in Single RFQ Channel without Magnetic Field Focusing	WEPSB12
13.	Stepan Yaramyshev	GSI, Germany	Further development of SC CW-Linac at GSI	WEPSB13

**Session 7. "Magnetic and vacuum systems, power supplies"**

<b>№</b>	<b>Last_Name</b>	<b>Affiliation</b>	<b>Title</b>	<b>Paper ID</b>
<b>7-1. Magnetic systems DC</b>				
14.	Peter Bystrov	IPCE RAS, Moscow	Correction of Scanning System Deflecting Magnet Steel Core Hysteresys on UELV-10-10-S-70 Accelerator	WEPSB15
15.	Vladislav Lisov	JINR, Dubna	Calculation and Measurements of the Magnetic Field of IM90 Bending Magnet of Cyclotron DC280 Axial Injection System	WEPSB16

16.	Dmitry Shwartz	BINP SB RAS, Novosibirsk; NSU, Novosibirsk	New Quadrupoles Installed at VEPP-2000 for High Energy Operation Without Final Focus	WEPSB17
17.	Sergey Sytov	NRC KI - IHEP, Protvino	Permanent Magnetic Field Measuring System in the U-70 Synchrotron	WEPSB18
<b>7-2. Pulsed magnetic systems</b>				
18.	Anatoly Fateev	JINR, Dubna	A prototype of pulsed septum magnet for beam injection into the collider of the NICA facility	WEPSB19
19.	Victor Bochkov	Pulsed Technologies Ltd, Ryazan	Pressure monitoring systems of Thyratrons	WEPSB20
20.	Valentin Dokutovich	BINP SB RAS, Novosibirsk	The power supply of pulse magnets with output current to 10 kA	WEPSB21
21.			The controller for the power supply of pulse magnets with output current to 10 kA	WEPSB22
22.	Sergey Vasiliev	BINP SB RAS, Novosibirsk	Development of a Generator of High-Voltage Nanosecond Squared Pulses Based on SOS-Diode and the High-Current Cold Cathode Thyratrons With Auxiliary Glow Discharge for Feeding of Inflectors IC VEPP-5	WEPSB23
<b>7-3. Vacuum systems</b>				
23.	Vadim Shatokhin	MEPhI, Moscow; NRC KI, Moscow	Development of the vacuum system of the Specialized Synchrotron Radiation Source SSRS4 in Kurchatov institute	WEPSB24
24.	Alexander Smirnov	JINR, Dubna	Status of the Booster Vacuum System of NICA Project	WEPSB25
<b>7-4. Power supplies</b>				
25.	Andrey Markin	NRC KI - IHEP, Protvino	Upgrading of the power supply for ring magnet U-70 Synchrotron	WEPSB26

### Session 8. "Superconducting accelerators and cryogenics"

№	Last_Name	Affiliation	Title	Paper ID
<b>8-1. Superconducting accelerators</b>				
26.	Gennady Dorofeev	JINR, Dubna; RRC, Moscow	The influence of the unclosed superconducting magnetic shield on the dynamics of the charged particles beam	WEPSB27
<b>8-2. Cryogenic technology – CD systems</b>				
27.	Valery Moiseev	NRC KI, Moscow	Em Fields in a Metal in an External Magnetic Field at Low Temperatures	WEPSB28
28.	Vladimir Alferov	NRC KI - IHEP, Protvino	Instrumentation for Magnetic and Energy Loss Measurements of the Superconducting Magnets	WEPSB29
29.	Bohdan Kondratiev	JINR, Dubna	Software Development for Automation of NICA Magnets Training and Dynamic Heat Releases Measurement	WEPSB30
30.	Taras Parfylo	JINR, Dubna	Magnetic Measurements of the Multipole Correctors of the NICA-Booster	WEPSB31

31.	Mikhail Shandov	JINR, Dubna	The Present Status of the Magnetic Measurements of the NICA Collider Twin-Aperture Dipoles	WEPSB32
32.	Andrey Shemchuk	JINR, Dubna	Serial Magnetic Measurements for the NICA Quadrupole Magnets of the NICA Booster Synchrotron	WEPSB33
33.	Ivan Yudin	JINR Dubna	Quadrupole SC lenses QM-M1 and QM-M2	WEPSB34
34.	Vladimir Borisov	JINR, Dubna	The Application of the Harmonic Coil Method for Measuring of Magnetic Field Parameters in SC Curved Magnets	WEPSB35
35.	Sergey Vasichev	BINP SB RAS, Novosibirsk	Conceptual design of the power supply and energy extraction system for CBM detector superconductive solenoid (FAIR)	WEPSB36
36.	Artem Kremnev	BINP SB RAS, Novosibirsk	Conceptual design of the power supply and energy extraction system for PANDA detector superconductive solenoid (FAIR)	WEPSB37
37.	Evgeny Klimenko	Moscow Aviation Institute, Moscow	A Compact 15 T Dipole for FCC	WEPSB39
38.	Leonid Shirshov	NRC KI - IHEP, Protvino	Methods and apparatuses for the study of critical characteristics of high-current superconductors	WEPSB40
39.	Yurii Altukhov	NRC KI - IHEP, Protvino	Results of Mechanical Analysis of Wide-Aperture Quadrupole Nodes for HED@FAIR Experiments	WEPSB41
40.	Xiangyang Lu	PKU, Beijing, China (School of Physics, Peking university.)	Deposition of Niobium for Superconducting Accelerator on Copper By High Power Impulse Magnetron Sputtering	WEPSB42
41.	Igor Bogdanov	NRC KI - IHEP, Protvino	AC Losses Measurements in HTS Coils	WEPSB43
42.	Maxim Stolyarov	NRC KI - IHEP, Protvino	Development of test facility for HED@FAIR quadrupoles	WEPSB44
43.	Mikhail Vasilyev	BINP SB RAS, Novosibirsk; NSU, Novosibirsk	Upgrade of Quench Recording System for Multipole Superconducting Wiggler at BINP	WEPSB45
<b>8-3. Cryogenic technology – RF systems</b>				
44.	Mariya Gusarova	JINR, Dubna, Moscow Region; MEPhI, Moscow	QWR and HWR SC Cavities R&D for New Superconducting Linac for JINR Nuclotron-NICA Injection	WEPSB46
45.	Vladimir Zvyagintsev	TRIUMF, Vancouver, Canada	Coupler Design for RISP Spoke Cavity	WEPSB47
46.	Sergey Matsievskiy	MEPhI, Moscow	Nput power coupler for NICA injector coaxial half wave SC cavity	WEPSB48

### Session 9. "RF power structures and systems"

№	Last_Name	Affiliation	Title	Paper ID
47.	Sergey Matsievskiy	MEPhI, Moscow	Transient process calculation in accelerating structures with electrical and magnetic coupling by equivalent circuit method	WEPSB49
48.	Adolf Kvasha	INR RAS, Moscow	Powerful RF Triode as Anode Modulator Vacuum Tube (Part Two)	WEPSB50
49.	Sergey Samoylov	BINP SB RAS, Novosibirsk	S-band klystron with power of 50 MW developed in BINP	WEPSB51
50.	Yuriy Chernousov	ICKC, Novosibirsk	Amplitude-phase characteristics of a thin diaphragm in a rectangular waveguide	WEPSB52
51.	Valentin Paramonov	INR RAS, Moscow	Start of Operation of a Standing Wave Deflecting Cavity With the Minimized Level of Aberrations	WEPSB53

### Session 13. "Radiation problems in accelerators"

№	Last_Name	Affiliation	Title	Paper ID
52.	Elena Savitskaya	NRC KI - IHEP, Protvino	Selection of Target Station Equipment Materials at Cyclotron Cyclon-70	WEPSB54
53.	Jaroslav Rascvetalov	NRC KI - IHEP, Protvino	On the formation of induced radioactivity on the U-70 proton accelerator	WEPSB55
54.	Alexander Alexeev	NRC KI - IHEP, Protvino	Methodical Issues of the Use of Detectors for Dosimetry in Carbon Nuclei Beams at the U-70 Accelerator	WEPSB56
55.	Yanovich Antonovich	NRC KI - IHEP, Protvino	A Study on Implementation of Multistribe Crystals to Protect the Septum-Magnets and to Generate the Gamma Radiation on the U-70 Accelerator	WEPSB57
56.	Igor Degtyarev	NRC KI - IHEP, Protvino	Verification of Modern Evaluated Nuclear Data Libraries on the Basis of Integral Experiments Using the RTS&T Code System	WEPSB58