

**Poster session "C" (Thursday, October 04, 2018)**

**Session 6. "Synchrotron radiation sources and free electron lasers"**

<b>№</b>	<b>Last_Name</b>	<b>Affiliation</b>	<b>Title</b>	<b>Paper ID</b>
<b>6-1. Synchrotron radiation sources</b>				
1.	Vyacheslav Dyubkov	MEPhI, Moscow; NRC KI, Moscow	Results of Beam Dynamics Simulation for the Main Ring of the 4th Generation Light Source USSR	THPSC01
2.	Sergey Polozov	MEPhI, Moscow	Current Results of the 4th Generation Light Source USSR (Former SSRS4) Development (дискуссия по докладу 01.10.2018)	MOXMH04, THPSC02
<b>6-2. Wigglers and undulators</b>				
3.	Sergey Polozov	MEPhI, Moscow	The Tuning of the Accelerating Structure Utilizing Electrostatic Undulator	THPSC03
4.	Alexander Valentinov	NRC KI, Moscow	New Superconducting Wigglers for KSRS	THPSC04
5.	Nikolai Mezentsev	BINP SB RAS, Novosibirsk	Superconducting 7 Tesla Wiggler for Delta Synchrotron Radiation Source	THPSC05

**Session 10. "Control and diagnostic systems"**

<b>№</b>	<b>Last_Name</b>	<b>Affiliation</b>	<b>Title</b>	<b>Paper ID</b>
<b>10-1. Control systems</b>				
6.	Nikolai Moseiko	NRC KI, Moscow	New automated control system for the Kurchatov Synchrotron Radiation Source	THPSC06
7.	Dmitry Bolkhovityanov	BINP SB RAS, Novosibirsk	VEPP-5 Injection Complex control system base software upgrade	THPSC07
8.	Sergey Reshetnikov	NRC KI - IHEP, Protvino	Development of hardware and software for the slow extraction system using crystal deflectors	THPSC08
9.	Igor Lobov	NRC KI - IHEP, Protvino	Media Server for Video and Audio Exchange Between the U-70 Accelerator Complex Control Rooms: Current Status and Perspectives	THPSC09
10.	Yaroslav Macheret	BINP SB RAS, Novosibirsk	Development of modern digital synchronization modules at BINP	THPSC10
11.	Fedor Emanov	BINP SB RAS, Novosibirsk	Present Status of VEPP-5 Injection Complex IT Infrastructure	THPSC11
12.			Upgrade of Application-Level Software of VEPP-5 Injection Complex	THPSC12
13.	Veronika Badmatsyrenova	JINR	Control System User Interface for the Cyclotron DC-280	THPSC13
14.	Alexander Senchenko	BINP SB RAS, Novosibirsk; NSU, Novosibirsk	Update of the VEPP-2000 Control System	THPSC14
15.	Alexander Baluev	BINP SB RAS, Novosibirsk	The Distributed Monitoring System for Local Controllers of Linear Induction Accelerator	THPSC15
16.	Sergey Barabin	NRC KI - ITEP, Moscow	Low-Level RF Control at Light Ions Injector for NICA Injector	THPSC16

## 10-2. Diagnostic systems

17.	Sergey Barabin	NRC KI - ITEP, Moscow	Emittance Measurements at the SPI Ion Source Using a Pepper-Pot Emittance Meter	THPSC17
18.			Pepper-Pot Emittance Measurement Device	THPSC18
19.	Antonina Smygacheva	NRC KI, Moscow	The bunch size measurements in the storage ring «Siberia-2»	THPSC19
20.	Dimitry Liakin	NRC KI - ITEP, Moscow	Some development aspects of control and diagnostic systems for fourth-generation Russian synchrotron radiation source	THPSC20
21.	Viktor Pashuk	NRC KI - PNPI, Gatchina	Absolute monitors based on ionization chambers with longitudinal and trasverse electric fields	THPSC21
22.	Vitaly Balakin	BINP SB RAS, Novosibirsk	Longitudinal Beam Measurements on Damping Ring BINP's Injection Complex With New Resonator	THPSC22
23.	Victor Klenov	INR RAS, Moscow	Low Energy "Pepper-Pot" Emittance Measuring Device	THPSC23
24.	Vladimir Baranov	NRC KI - IHEP, Protvino	Fast wire scanners for U-70 accelerator of IHEP	THPSC24
25.	Yury Rogovsky	BINP SB RAS, Novosibirsk	Current dependence of bunch dimensions in VEPP-2000 collider	THPSC25
26.			Measurement of beam parameters in VEPP-2000 using the beam history envelope analysis	THPSC26
27.			Longitudinal Beam Profile Diagnostic System at Booster of Electrons and Positrons BEP	THPSC27
28.	Victor Terekhov	NRC KI - IHEP, Protvino	A system for monitoring beam losses at the IHEP U-70 accelerator	THPSC28
29.	Vladislav Borin	BINP SB RAS, Novosibirsk	Measurements of energy spread at VEPP-4M	THPSC29
30.	Andrey Koshelev	NRC KI - IHEP, Protvino	Ultrahigh vacuum stand of IHEP and the production of various types of beam loss detectors	THPSC30
31.	Sergei Gavrilov	INR RAS, Moscow	Upgrade of Electronics and Software for Profile Monitors in Multipurpose Research Complex of INR RAS	THPSC31
32.			Thermal Loads of Wire-Scanners at INR RAS Proton Linac	THPSC32
33.	Peter Bystrov	IPCE RAS, Moscow	Radiation Installation and Accelerator UELV-10- 10-C-70 Beam Parameters Control, Management and Registration System	THPSC33
34.	Semen Mitrofanov	JINR, Dubna	Modern Beam Monitoring Systems During SEE Testing on ISDE&JINR Heavy Ion Facilities	THPSC34
35.	Sergey Barabin	NRC KI - ITEP, Moscow	Emittance Measurement on Krion-6T Ion Source by Pepper-Pot Method	<a href="#">TUPSA29</a>
36.	Dmitriy Chermoshentsev	MIPT, Dolgoprudniy	Influence of Mechanical Vibrations on the Phase Resolution of Bunch Shape Monitor	THPSC35
37.	Vladimir Kalinin	NRC KI - IHEP, Protvino	Experimental Study of the Transverse Beam Size Used a Fast Wire Scanner in the U70 at IHEP	THPSC36
38.	Semen Mitrofanov	JINR, Dubna	Photo-activation method for electron energy determination of linear accelerator	THPSC37

39.	Yuliya Maltseva	BINP SB RAS, Novosibirsk	Optical Fiber Based Beam Loss Monitor for the BINP e-e+ Injection Complex	THPSC38
40.	Alexander Titov	MIPT, Dolgoprudniy,; INR RAS, Moscow	Luminescent Diagnostics for Low Intensity Proton Beams at INR RAS Linac	THPSC39
41.	Alexey Melnikov	INR RAS, Moscow; MIPT, Dolgoprudniy	Multianode Gas Counter for Low Intensity Beam Diagnostics at the INR Linac	THPSC40
42.	Valeriya Kiziridi	TPU, Tomsk	X-Ray Sampling Calorimeter for Bunch Length Measurement	THPSC41

### Session 11. "Ion sources and electron guns"

№	Last_Name	Affiliation	Title	Paper ID
<b>11-1. Ion and neutron sources</b>				
43.	Dmitry Stepanov	MEPhI, Moscow	Numerical Investigation of the Influence of the Magnetic Field in the Ion Source With the Penning Discharge of a Gas-Filled Neutron Tube on the Ion Current Pulse	THPSC42
44.	Anton Isaev	MEPhI, Moscow	Generalized Results of Investigation of an Accelerating Ion Diode With Magnetic Insulation of Electrons for Neutron Generation	THPSC43
45.			Experimental Studies of Neutron Generation by the Laser Plasma Acceleration Method in a Nonstationary Magnetic Field	THPSC44
46.	Alexander Shikanov	MEPhI, Moscow	Neutrons Generation Induced by Laser Plasma Deuterons, Accelerated in Field of Pulsed Electron Flow	THPSC45
47.	Nickolay Anferov	NRC KI - IHEP, Protvino	Status of the C+5 Laser Ion Source	THPSC46
48.	Anton Losev	NRC KI - ITEP, Moscow	Characteristics of Laser-Plasma Ion Source Based on a CO <sub>2</sub> -Laser for Heavy Ion Accelerators at ITEP	THPSC47
49.	Boris Frolov	NRC KI - IHEP, Protvino	Magnetron Proton Source	THPSC48
50.	Konstantin Kuzmenkov	JINR, Dubna	ECR Ion Source DECRIS-PM for DC-280 Cyclotron	THPSC49
51.			Production of Intense Metal Ion Beams at the DC-60 Cyclotron	THPSC50
<b>11-2. Pulsed and RF electron guns</b>				
52.	Vladimir Volkov	BINP SB RAS, Novosibirsk	Test stand results of CW 100 mA electron RF gun for Novosibirsk ERL FEL	THPSC53

**Session 14 "Special presentations (without classification)"**

<b>№</b>	<b>Last_Name</b>	<b>Affiliation</b>	<b>Title</b>	<b>Paper ID</b>
53.	Vassily Ponomarev	INR RAS, Moscow	Application of the Research and Technological Complex based on the linear electron accelerator LUE-8-5RV of the Institute for Nuclear Research for fundamental physics experiments	THPSC54
54.	Victor Vorontsov	MEPhI, Moscow	About a Possibility of Acceleration of Ferromagnetic Objects by the Electromagnetic Fields	THPSC55
55.	Dmitry Shkitov	TPU, Tomsk	Code for Simulation of Diffraction Radiation from Plane Metal Finite Targets	THPSC56