

## Poster session "A" (Tuesday, October 02, 2018)

### Session 2. "Colliders"

<b>№</b>	<b>Last_Name</b>	<b>Affiliation</b>	<b>Title</b>	<b>Paper ID</b>
1.	Pavel Piminov	BINP SB RAS, Novosibirsk	Design of Beam Optics for Electron Positron Collider Super Charm Tau Factory	<a href="#">TUPSA01</a>
2.	Oleg Kozlov	JINR, Dubna	Correction of the Magnetic Field in the NICA Collider	<a href="#">TUPSA02</a>

### Session 3 " Particle dynamics in accelerators and storage rings, cooling methods, new methods of acceleration "

<b>№</b>	<b>Last_Name</b>	<b>Affiliation</b>	<b>Title</b>	<b>Paper ID</b>
<b>3-1. Dynamics: experiment and simulations</b>				
3.	Sergey Kuznetsov	JIHT RAS, Moscow	Acceleration of Electron Bunches Generated by a Laser Pulse Crossing a Boundary of Inhomogeneous Plasma	<a href="#">TUPSA03</a>
4.	Ilya Sheinman	LETI, Saint-Petersburg	Positioning of Bunches in a Multibunch Wakefield Acceleration Scheme for Increasing the Beam Flight Range	<a href="#">TUPSA04</a>
5.	Iliia Kanshin	FSUP "VNIIA", Moscow	The Particle Flow Trajectories Analysis Method in the Accelerating System Taking Into Account a Plasma Source Influence	<a href="#">TUPSA05</a>
6.	Kseniya Astrelina	BINP SB RAS, Novosibirsk	Beam Optics of Operating Modes for Damping Ring of VEPP-5 Injection Complex	<a href="#">TUPSA06</a>
7.			Calculation of Injection Efficiency to Damping Ring of VEPP-5 Injection Complex	<a href="#">TUPSA07</a>
8.	Sergey Melnikov	JINR, Dubna	Stability of Charged Particle Movement in a Storage Ring With Focusing by a Longitudinal Magnetic Field	<a href="#">TUPSA08</a>
9.	Oleg Drivotin	St. Petersburg State University, St. Petersburg	Degenerate Self-Consistent Distributions for Charged Particle Beam in Linear Transverse Field	<a href="#">TUPSA09</a>
10.			Control Theory Model for RFQ Channel Optimization	<a href="#">TUPSA10</a>
11.	Vladimir Kozynchenko	Saint Petersburg State University, Saint Petersburg	Development of a Software Complex for Modeling, Analyzing and Optimization the Dynamics of Charged Particle Beams in Synchtrons and Transport Channels	<a href="#">TUPSA11</a>
12.	Alexander Chikhachev	Allrussian Electrotechnical Institute, Moscow	Dynamics of the spherical cloud of charged particles	<a href="#">TUPSA12</a>
13.			About focusing by grids	<a href="#">TUPSA13</a>
14.	Olha Kazinova	JINR, Dubna	Numerical Computation of Dynamic Aperture for the NICA Booster	<a href="#">TUPSA14</a>
15.	Alexey Tuzikov	JINR, Dubna	Beam Dynamic Modelling in the Nuclotron While Working in the NICA Complex	<a href="#">TUPSA15</a>
16.	Nikolay Smolyakov	NRC KI, Moscow	Computer Codes for Calculation of Electromagnetic Radiation Generated in Magnetic Fields	<a href="#">TUPSA16</a>

17.	Sergey Karnev	BINP SB RAS, Novosibirsk	Novel Approach to Design of the Compact Proton Synchrotron Magnetic Lattice	<b>TUPSA17</b>
18.	Victor Vorontsov	MEPhI, Moscow	About One Way of the Solution of the Hill Equation	<b>TUPSA18</b>
19.	Volodymyr Rodin	The University of Liverpool, Liverpool	Realistic 3D Tracking Methods Through Electrostatic Elements for Low Energy Beamlines	<b>TUPSA19</b>
20.	Alexander Ovsyannikov	(SPBSU, St. Petersburg)	Numerical Analysis of Single Particle Dynamics in PMS Trap with Oscillating Dipole Field	<b>TUCBMH03</b>
<b>3-2. Methods of particle beam cooling</b>				
21.	Juergen Dietrich	DELTA, Dortmund	Using Turbo Generators for Powering HV- Solenoids at Relativistic Electron Coolers	<b>TUPSA20</b>
22.	Alexander V. Smirnov	JINR, Dubna	Investigation of Longitudinal Particle Dynamics With Space Charge in NICA Collider	<b>TUPSA21</b>
23.			Commissioning of Electron Cooling System of NICA Booster	<b>TUPSA22</b>
24.	Ivan Gorelyshev	JINR	Test Bench for the NICA Stochastic Cooling Elements	<b>TUPSA23</b>
25.	Valeriya Khomutova	JINR, Dubna,; Saint Petersburg State University, Saint Petersburg	Test Bench Measurements for the NICA Stochastic Cooling Pickup and Kicker	<b>TUPSA24</b>
<b>3-3. Accelerator elements for beam manipulation</b>				
26.	Dmitry Zavadtsev	Nano, Moscow; INR RAS, Moscow	Construction and RF Test of Debuncher for Light Ion Line of Injector System in Ion Collider NICA	<b>TUPSA25</b>
27.	Vyacheslav Kurakin	LPI, Moscow	Electrodynamics of weakly coupled rf cavities	<b>TUPSA26</b>
28.	Dmitry Shwartz	BINP SB RAS, Novosibirsk; NSU, Novosibirsk	Injection Region Probing by Beam at VEPP-2000 Storage Ring	<b>TUPSA27</b>
29.	Sergei Gavrillov	INR RAS, Moscow	The Comparison of Beam Tracking Codes by the Example of Proton LEPT of INR RAS Linac	<b>TUPSA28</b>
30.	Alexander Drozdovsky	NRC KI - ITEP, Moscow	The Research of Plasma Lens with Discharge Initiation by the Electron Beam	<b>TUPSA30</b>
31.	Semen Mitrofanov	JINR, Dubna	Calibration of absolute Dee voltage for U-400M isochronous cyclotron at FLNR JINR	<b>TUPSA31</b>
32.	A. Afonin	NRC KI - IHEP, Protvino	Recent study and use crystal deflectors in U-70 accelerator of IHEP - status and prospects.	<b>TUYMH01</b>

### Session 12. "Medical and industrial applications"

№	Last_Name	Affiliation	Title	Paper ID
<b>12-1. Medical applications</b>				
33.	Ivan Yudin	JINR Dubna	Pulse Scanning System of the Medical Beam and the System of Recording the Position of the Beam and the Distribution of the Irradiation Dose of the Object	<b>TUPSA32</b>

34.	Alexander Khasin	CDNM Ltd, Protvino	Radioisotope Centre of Nuclear Medicine	<b>TUPSA33</b>
35.	Alexander Pryanichnikov	PhTC LPI RAS, Protvino	Numerical Modeling and Development of the Prototype of the Bragg Peak Position Detector Working in Real Time Mode for Hadron Therapy Facilities	<b>TUPSA34</b>
36.	Ivan Yakovlev	INR RAS, Moscow	Proton Therapy: Ridge Filter Improvements for Sake of the Dose Conformity	<b>TUPSA35</b>
37.	Marina Zheltonozhskaya	Lomonosov Moscow State University, Moscow	The unwanted neutrons in radiation therapy during the medical electron accelerator operation	<b>TUPSA36</b>
38.			Research of <sup>89</sup> Zr output in photonuclear reactions on molybdene	<b>TUPSA37</b>
39.	Vladimir Pikalov	NRC KI - IHEP, Protvino	Neutron Monitors for High Energy Accelerators	<b>TUPSA38</b>
<b>12-2. Industrial and research applications</b>				
40.	Alexandr Maximov	NRC KI - IHEP, Protvino	The proton radiography facility at the U-70 Synchrotron	<b>TUPSA39</b>
41.	Semen Mitrofanov	JINR, Dubna	DC130: Next Step of the FLNR Accelerator Complex for Applied Science Activity	<b>TUPSA40</b>
42.	Petr Fedin	NRC KI - ITEP, Moscow	Effect of Tin Ion Implantation on the Properties of Amorphous Ge <sub>2</sub> Sb <sub>2</sub> Te <sub>5</sub> Thin Films	<b>TUPSA41</b>
43.	Stanislav Andrianov	NRC KI - ITEP, Moscow	The Irradiation Technique at SIRMAT	<b>TUPSA42</b>
44.	Juliia Osina	NIEFA, St. Petersburg	Cyclotron Complex for Thailand Institute of Nuclear Technology	<b>TUPSA43</b>
45.	Alexandra Revina	IPCE RAS, Moscow	Radiation synthesis of metal nanoparticles and fabrication techniques of polymer nanocomposite films	<b>TUPSA44</b>
46.	Peter Alexeevich Bystrov	IPCE RAS, Moscow	Provision of Dose Homogeneity in Experiments for Developing Methods of Food Irradiation	<b>TUPSA45</b>
47.			Effect of Ozone in Experiments on the Development of Food Irradiation Methods	<b>TUPSA46</b>
48.	Alexander Prokopenko	MEPhI, Moscow	Regularities of Inhibition of Conditionally Pathogenic Microflora Under the Influence of Accelerated Electron Beams	<b>TUPSA47</b>
49.			The study of electron beam irradiation effect on multilayer polymer materials before and after storage for year	<b>TUPSA48</b>
50.	Jaroslav Rascvetalov	NRC KI - IHEP, Protvino	Installation for Irradiation of Thin Foils by Halo Proton Beam on IHEP Accelerator	<b>TUPSA49</b>
51.	Vladimir Pikalov	NRC KI - IHEP, Protvino	Experimental Facility "Radiobiological Test Setup on Accelerator U-70" as Centers for Collective Use (CCU)	<b>TUPSA50</b>
52.	Timur Kulevoy	NRC KI - ITEP, Moscow; MEPhI, Moscow	New Output Channels for Nuclotron Accelerator	<b>TUPSA51</b>
53.	Mark Kats	NRC KI - ITEP, Moscow	New experimental Channels at Nuclotron	<b>TUPSA52</b>

54.	Sergey Visotski	NRC KI - ITEP, Moscow	Development of experimental set-up for applied physics research at NUCLOTRON accelerator facility	<b>TUPSA53</b>
55.	Albina Ziiatdinova	NRC KI - ITEP, Moscow; NRC KI, Moscow	Multichannel Injection Complex for the BELA Project	<b>TUPSA54</b>
56.	Alexey Korchagin	BINP SB RAS, Novosibirsk	ELV Accelerators Are a Tool for Innovation	<b>TUPSA55</b>
57.	Victor Cherepkov	BINP SB RAS, Novosibirsk	A Compact High-Voltage Source on the Basis of ELV Accelerator	<b>TUPSA56</b>
58.	Vladimir Skachkov	NRC KI - ITEP, Moscow	Beam Scanner Development for Applied Physics Research at NUCLOTRON	<b>TUPSA57</b>
59.	Aleksei Sidorin	JINR, Dubna	A Method for Measuring the Positron Lifetime in Solid Matter With a Continuous Positron Beam	<b>TUPSA58</b>
60.	Oleg Orlov	JINR, Dubna	Development of Setup for Measurement of Secondary Electron-Electron Emission Coefficient	<b>TUPSA59</b>
61.	Marat Eseev	(NAFU, Arkhangelsk)	Method of positron annihilation spectroscopy for investigation the dynamics of defect development in the structure of metals due to cavitation and corrosion destruction	<b>TUPSA62</b>

#### **Session 5. " Heavy ion accelerators (Beam Transfer Channels)"**

<b>№</b>	<b>Last_Name</b>	<b>Affiliation</b>	<b>Title</b>	<b>Paper ID</b>
62.	Vladislav Lisov	JINR, Dubna	Beam Lines for Gas Filled Separator Experiments at DC280 Cyclotron	<b>TUPSA60</b>
63.	Ekaterina Khabibullina	NRC KI - ITEP, Moscow	Development of the Ion Beams HIPR-1 Transport Channel for Ion Energy Losses Measurement in Plasma Target	<b>TUPSA61</b>