

# EXON 2018

## SCIENTIFIC PROGRAM

**10.09.2018 Monday**

<b>7-30</b>	<b>Breakfast</b>
<b>8-00 - 9-00</b>	<b>REGISTRATION</b>
<b>9-00 - 9-10</b>	<b>OPENING</b>
<b>9-10 - 9-30</b>	<b>SCIENTIFIC INVESTIGATIONS IN PETROZAVODSK STATE UNIVERSITY</b> <i>A. Voronin</i>
<i>Chairman</i>	
<b>09-30 - 10-00</b>	<b>RIKEN RI BEAM FACTORY STRIKES BACK</b> <i>H. En'yo</i>
<b>10-00 - 10-30</b>	<b>NEW FACILITY FOR SUPER HEAVY ELEMENT RESEARCH: FLNR SHE - FACTORY</b> <i>S. Dmitriev</i>
<b>10-30 - 11-00</b>	<b>CHALLENGES IN GENERATION OF INTENSE HEAVY ION BEAMS</b> <i>B. Sharkov</i>
<b>11-00 - 11-30</b>	<b>Coffee break</b>
<b>11-30 - 12-00</b>	<b>DECAY SPECTROSCOPY OF THE HEAVIEST NUCLEAR SPECIES AND PERSPECTIVES AT S3</b> <i>D. Ackermann</i>
<b>12-00- 12-30</b>	<b>RECENT HIGHLIGHTS AND NEW TRENDS @ JYFL</b> <i>A. Jokinen</i>
<b>12-30- 13-00</b>	<b>THE iTHEMBA LABS SAIF PROJECT AND OTHER FACILITY DEVELOPMENTS</b> <i>J.J. Lawrie</i>
<b>13-00- 15-30</b>	<b>Lunch</b>
<i>Chairman</i>	
<b>15-00 - 15-30</b>	<b>LATEST UPDATE ON THE SOUTH AFRICAN UNDERGROUND LABORATORY (SAUL) PROJECT AND OTHER DEVELOPMENTS</b> <i>Z. Vilakazi</i>
<b>15-30 - 16-00</b>	<b>GANIL/SPIRAL2 STATUS &amp; PLANS</b> <i>H. Savajols</i>
<b>16-00 - 16-30</b>	<b>Coffee break</b>
<b>16-30 - 17-00</b>	<b>SPECTROSCOPY OF <sup>63,65,67</sup>Mn: STRONG COUPLING IN THE N=40 ISLAND OF INVERSION AND IMPROVED CONSTRAINTS FOR URCA COOLING IN THE ACCRETED NEUTRON STAR CRUST</b> <i>Zh. Liu</i>
<b>17-00 - 17-30</b>	<b>STATUS OF THE ALTO FACILITY AND RECENT HIGHLIGHTS</b> <i>F. Ibrahim</i>
<b>17-30 - 18-00</b>	<b>FISSION, QUASI-FISSION AND MULTI-NUCLEON TRANSFER PROCESSES FROM MEDIUM MASS TO HEAVY NUCLEI</b> <i>E. Vardaci</i>
<b>18-00 - 18-30</b>	<b>FUSION TRIGGERED LIQUID-PHASE TRANSMUTATOR MONITORED AND CONTROLLED REAL-TIME BY CAN</b> <i>S. Gales</i>
<b>19-00</b>	<b>WELCOME PARTY</b>  <b>@ PITER INN HOTEL</b>

## 11.09.2018 Tuesday

7-30	<b>Breakfast</b>
<i>Chairman</i>	
9-00 - 9-20	<b>PROJECT OF PRIORITY EXPERIMENTS AT SHE FACTORY</b> <i>V. Utyonkov</i>
9-20 - 9-40	<b>PRESENT STATUS AND PERSPECTIVES OF SHE RESEARCHES AT RIKEN</b> <i>H. Haba</i>
9-40 - 10-00	<b>STRUCTURE OF SUPERHEAVY NUCLEI</b> <i>R. Jolos</i>
10-00 - 10-20	<b>SYSTEMATIC CALCULATIONS ON ALPHA-DECAY HALF-LIVES OF HEAVY AND SUPERHEAVY NUCLEI</b> <i>Z. Ren</i>
10-20 - 10-40	<b>DYNAMICAL APPROACH FOR SYNTHESIS OF SUPERHEAVY ELEMENTS</b> <i>Y. Aritomo</i>
10-40 - 11-00	<b>THEORETICAL STUDIES ON ENERGY DISSIPATION IN HEAVY-ION FUSION REACTIONS AND ITS APPLICATION TO SYNTHESIS OF ELEMENT 120</b> <i>Y. Iwata</i>
11-00 - 11-20	<b>Coffee break</b>
11-20 - 11-40	<b>PREDICTIONS OF FISSION FRAGMENT MASS DISTRIBUTIONS FOR SUPER-HEAVY ELEMENTS</b> <i>N. Carjan</i>
11-40 - 12-00	<b>STUDY OF NEUTRON-DEFICIENT NUCLEI IN THE <math>^{239,240}\text{Pu} + ^{48}\text{Ca}</math> REACTIONS</b> <i>M.V. Shumeiko</i>
12-00 - 12-20	<b>SPECTROSCOPY OF TRANSFERMIUM NUCLEI USING THE GABRIELA SETUP AT THE FOCAL PLANE OF THE "SHELS" RECOIL SEPARATOR, FLNR, DUBNA</b> <i>K. Hauschild</i>
12-20 - 12-40	<b>EXPERIMENTAL STUDY OF THE <math>^{249-251}\text{Cf} + ^{48}\text{Ca}</math> REACTIONS: TOWARD THE MAGIC NEUTRON NUMBER <math>N=184</math></b> <i>A.A. Voinov</i>
12-40 - 13-00	<b>INVESTIGATION OF THE PROPERTIES OF SHORT-LIVED SF ISOTOPES OF TRANSFERMIUM ELEMENTS</b> <i>A.V. Isaev</i>
13-00 - 15-00	<b>Lunch</b>
<i>Chairman</i>	
15-00 - 15-20	<b>ACHIEVEMENTS AND CHALLENGES IN THEORETICAL PREDICTIONS OF CHEMICAL PROPERTIES OF SUPERHEAVY ELEMENTS</b> <i>V. Pershina</i>
15-20 - 15-40	<b>SUPERHEAVY ELEMENT CHEMISTRY AT FLNR</b> <i>N. Aksenov</i>
15-40 - 16-00	<b>THE FIRST IONIZATION POTENTIALS OF HEAVY ACTINIDES Fm (<math>Z = 100</math>), Md (<math>Z = 101</math>), No (<math>Z = 102</math>), AND Lr (<math>Z = 103</math>)</b> <i>T. Sato</i>
16-00 - 16-20	<b>PREPARATORY EXPERIMENTS FOR THE CHEMICAL INVESTIGATION OF NIHONIUM MONOHYDROXIDE</b> <i>P. Steinegger</i>
16-20 - 16-40	<b>NEW PARADIGMS IN THE SEARCH FOR SHE</b> <i>C. Borcea</i>
16-40 - 17-00	<b>Coffee break</b>
17-00 - 19-20	<b>SPECIAL SESSIONS</b>
19-30	<b>Dinner</b>

# 12.09.2018 Wednesday

7-30	Breakfast
<i>Chairman</i>	
9-00 - 9-30	CLUSTERS IN LIGHT STABLE AND EXOTIC NUCLEI <i>C. Beck</i>
9-30 - 9-50	TWO-NEUTRON HALO STATE OF $^{15}\text{B}$ AROUND 3.48 MeV BY A THREE-BODY MODEL <i>D. Bai</i>
9-50 - 10-10	NEW INSIGHT INTO THE CLUSTER STRUCTURE OF $^9\text{Be}$ BY REACTIONS WITH DEUTERON BEAM <i>S. Lukyanov</i>
10-10 - 10-30	COULOMB SHIFT IN TWO-CENTER CLUSTER SYSTEMS <i>M. Nakao</i>
10-30 - 10-50	TOWARDS THE LIMITS OF NUCLEAR STRUCTURE ALONG THE PROTON- UNBOUND ARGON AND CHLORINE ISOTOPES <i>D. Kostyleva</i>
10-50 - 11-10	STUDIES OF $^{22}\text{C}$ AND $^{50,52}\text{Ca}$ AT SAMURAI <i>Y. Togano</i>
11-10 - 11-30	Coffee break
11-30 - 11-50	LIGHT CLUSTERS IN SUPERNOVA MATTER <i>I. Panov</i>
11-50 - 12-10	SEARCH FOR STATES WITH HALO IN $^{12}\text{B}$ AND $^{12}\text{N}$ <i>A. Danilov</i>
12-10 - 12-30	PROTON ELASTIC SCATTERING FROM $^6\text{He}$ AT 200 A MeV MEASURED WITH POLARIZED PROTON TARGET FOR RI-BEAM EXPERIMENTS <i>S. Sakaguchi</i>
12-30 - 12-50	STUDY OF THE EFFECT OF POSITIVE Q-VALUE NEUTRON TRANSFERS ON NEAR-BARRIER FUSION OF HEAVY IONS <i>H. Jia</i>
12-50 - 13-10	STUDY OF GROUND STATES OF 7,9,11LI NUCLEI AND DYNAMICS OF EXTERNAL NEUTRONS IN REACTIONS 7,9,11LI + 28SI <i>V. Samarin</i>
13-10 - 15-00	Lunch
<i>Chairman</i>	
15-00 - 15-20	EVIDENCE OF ENHANCED $3\alpha$ RADIUS PROBED BY HADRONIC REACTIONS <i>M. Ito</i>
15-20 - 15-40	PROBLEM OF THE $2p$ -CAPTURE IN ASTROPHYSICS <i>Yu. Parfenova</i>
15-40 - 16-00	COLLECTIVE MOTION IN STABLE AND UNSTABLE NUCLEI WITHIN NUCLEAR DENSITY FUNCTIONAL THEORY <i>N. Hinohara</i>
16-00 - 16-20	MICROSCOPIC ANALYSIS OF THE $^{12,14}\text{Be}$ ELASTIC SCATTERING ON $^{12}\text{C}$ AND PROTONS <i>E. Zemlyanaya</i>
16-20 - 16-40	IDENTIFICATION OF DILUTE CLUSTER STATES IN $^{11}\text{B}$ , $^{12}\text{C}$ , $^{13}\text{C}$ <i>A. Demyanova</i>
16-40 - 17-00	STUDY OF NUCLEON TRANSFER IN REACTIONS $^3\text{He} + ^{197}\text{Au}$ , $^{194}\text{Pt}$ , $^{45}\text{Sc}$ , $^{59}\text{Co}$ WITHIN TIME-DEPENDENT APPROACH <i>M. Naumenko</i>
17-00 - 17-20	NON-MONOTONIC MOLECULAR POTENTIAL FOR $\alpha + ^{12}\text{C}$ ELASTIC SCATTERING <i>M. Abdullah</i>
17-20 - 19-30	<b>P O S T E R      S E S S I O N</b>
19-30	Dinner

# 13.09.2018 Thursday

8-00 - 9-00	<i>Breakfast</i>
<i>Chairman</i>	
9-00 - 9-30	UNUSUAL STRUCTURES IN $^{163}\text{Gd}$ , STRUCTURE OF $^{163}\text{Tb}$ ; CONFIRMATION OF HIGH NEUTRON YIELDS FOR Ba-Mo SF OF $^{252}\text{Cf}$ , FUTURE PLANS <i>J. Hamilton</i>
9-30 - 9-50	HIGH SPIN $\gamma$ -RAY SPECTROSCOPY OF HEAVY, OCTUPOLE DEFORMED Ac AND Fr NUCLEI PRODUCED IN FUSION-EVAPORATION REACTIONS WITH THE INTENSE A~90 RADIOACTIVE BEAMS <i>P. Bednarczyk</i>
9-50 - 10-10	FUNDAMENTAL SYMMETRY TESTS USING ATOMIC NUCLEI: THE ROLE OF NUCLEAR STRUCTURE <i>S. Triambak</i>
10-10 - 10-30	NEW NUCLEAR STRUCTURE DATA BEYOND $^{132}\text{Sn}$ <i>R. Lozeva</i>
10-30 - 10-50	REACTIONS WITH EXOTIC NUCLEI AT ENERGIES AROUND THE COULOMB BARRIER <i>C. Lin</i>
10-50 - 11-10	EXOTIC NUCLIDES AT THE REACTOR PIK: PITRAP PROJECT <i>Yu. Novikov</i>
11-10 - 11-30	<i>Coffee break</i>
11-30 - 11-50	DISCOVERY OF $^{60}\text{Ca}$ <i>O. Tarasov</i>
11-50 - 12-10	A NEW EXPLANATION OF HEAVY IONS SUB-BARRIER FUSION ENHANCEMENT PHENOMENON <i>R. Wolski</i>
12-10 - 12-30	FOUR BODY KAONIC NUCLEI <i>S. Tsiklauri</i>
12-30 - 13-30	<i>Lunch</i>
13-30	<p style="text-align: center;"><i>EXCURSION &amp; CONCERT</i></p>
19-00	<p style="text-align: center;"><i>BANQUET</i></p>

# 14.09.2018 Friday

7-30

*Breakfast*

*Chairman*

9-00 - 9-20

**“PARIS” GAMMA CALORIMETER – STATUS OF THE PROJECT AND FIRST EXPERIMENTAL RESULTS**

*A. Maj*

9-20 - 9-40

**HIGHLIGHTS OF THE DAY-ONE EXPERIMENTAL PROGRAM AT THE GAMMA-BEAM SYSTEM OF ELI-NP**

*D. Balabanski*

9-40 - 10-00

**ROLE OF PENNING-TRAP MASS SPECTROMETRY IN FUNDAMENTAL PHYSICS**

*S. Eliseev*

10-00 - 10-20

**DEMONSTRATION OF MASS MEASUREMENT USING RARE-RI RING**

*D. Nagae*

10-20 - 10-40

**IGISOL: RECENT RESULTS AND DEVELOPMENTS**

*T. Eronen*

10-40 - 11-00

**PRODUCTION AND STUDY OF NEUTRON RICH HEAVY NUCLEI, GALS SETUP**

*S. Zemlyanoy*

11-00 - 11-20

*Coffee break*

11-20 - 11-40

**BEYOND-NEUTRON-THRESHOLD SPECTROSCOPY PROGRAM AT ALTO WITH TETRA, MONSTER AND PARIS SPECTROMETERS**

*D. Verney*

11-40 - 12-00

**ACCELERATOR FACILITIES OF FLNR. STATUS AND PLANS OF DEVELOPMENT**

*V. Semin*

12-00 - 12-20

**PRODUCTION OF NEUTRON-RICH NUCLEI BY MULTINUCLEON TRANSFER REACTIONS AT KISS PROJECT**

*Y. Watanabe*

12-20 - 12-40

**NEW FRONT AND BACK-END ELECTRONICS FOR THE UPGRADED GABRIELA DETECTION SYSTEM**

*R. Chakma*

12-40 - 13-00

**INVESTIGATION OF INTERACTION OF DEUTERONS WITH  $^{13}\text{C}$  NUCLEI**

*D. Janseitov*

13-00 - 15-00

*Lunch*

*Chairman*

15-00 - 15-20

**EXPERIENCE OF REACTION STUDIES AT ACCULINNA AND PROSPECTIVE RESEARCH AT ACCULINNA-2**

*L. Grigorenko*

15-20 - 15-40

**PRODUCTION OF NEW ISOTOPES AND SEARCH FOR NEUTRON DRIP LINE WITH THE BigRIPS SEPARATOR AT RIKEN RI BEAM FACTORY**

*N. Fukuda*

15-40 - 16-00

**FEATURES OF THE SOLID-STATE ISOL METHOD FOR FUSION EVAPORATION REACTIONS INDUCED BY HEAVY IONS**

*A. Rodin*

16-00 - 16-20

**STUDY OF  $^6\text{He-d}$  REACTION AS A FIRST EXPERIMENT AT ACCULINNA-2 SEPARATOR**

*B. Zalewski*

16-20 - 16-40

**ROLE OF CONSTANT VALUE OF SURFACE DIFFUSENESS ON PREDICTION OF ALPHA DECAY HALF-LIVES OF SUPERHEAVY NUCLEI**

*S. Alavi*

***14.09.2018 Friday***

16-40 - 17-10	<b><i>Coffee break</i></b>
17-10 - 17-30	<b>GALILEO GAMMA-RAY SPECTROMETER</b> <b><i>D. Testov</i></b>
17-30 - 17-50	<b>THE STATUS OF NEW FRAGMENT SEPARATOR ACCULINNA-2 AND THE FIRST DAY EXPERIMENTS</b> <b><i>A. Gorshkov</i></b>
17-50 - 18-10	<b>FISSION TIMESCALE OF SUPERHEAVY ELEMENT <math>Z = 120</math></b> <b><i>M. Senthil Kannan</i></b>
18-10 - 18-30	<b>TOPOLOGICAL TYPOLOGY OF NUCLEI</b> <b><i>A. Yushkov</i></b>
18-30 - 18-50	<b>OBSERVATION OF U AND CF FISSION IN NUCLEAR TRACK EMULSION</b> <b><i>A. Zaitcev</i></b>
18-50 - 19-10	<b>MAVR FACILITY AT FLNR JINR</b> <b><i>V. Maslov</i></b>
19-10 - 19-30	
<b>19-30</b>	<b><i>Farewell dinner</i></b>

	<b>13.09.2018 Tuesday</b>
	<b>SPECIAL SESSION 1</b>
	<b>“NUCLEAR REACTIONS &amp; FISSION PROCESSES”</b>
<i>Chairman</i>	
17-00 - 17-20	<b>RADIOACTIVE ION BEAMS FOR THE FISSION STUDY OF THE HEAVIEST NEUTRON-RICH NUCLEI</b> <i>G. Ter-Akopian</i>
17-20 - 17-40	<b>ISOBARIC RESONANCES IN CHARGE-EXCHANGE REACTIONS</b> <i>Yu. Lutostansky</i>
17-40 - 18-00	<b>HEAVY-ION REACTION AND FISSION STUDIES AT JAEA TANDEM ACCELERATOR FACILITY</b> <i>K. Nishio</i>
18-00 - 18-20	<b>MANIFESTATIONS OF PEAR-SHAPED CLUSTERS IN COLLINEAR CLUSTER TRI-PARTITION OF <math>^{252}\text{Cf}</math></b> <i>Yu. Pyatkov</i>
18-20 - 18-40	<b>ADDITIONAL ARGUMENTS IN FAVOR OF TRUE QUATERNARY FISSION OF LOW EXCITED ACTINIDES</b> <i>D. Kamanin</i>
18-40 - 19-00	<b>MEASUREMENT OF MASS-GATED NEUTRON MULTIPLICITY FOR <math>^{192,202}\text{Po}</math> NUCLEI USING NAND FACILITY</b> <i>R. Mahajan</i>
19-00 - 19-20	<b>GAMMA RAYS AS PROBE OF FISSION AND QUASI-FISSION DYNAMICS IN THE REACTION <math>^{32}\text{S} + ^{197}\text{Au}</math> NEAR THE COULOMB BARRIER</b> <i>A. Pulcini</i>

	<b>SPECIAL SESSION 2</b>
	<b>“R-PROCESSES &amp; <math>\beta</math> AND <math>\gamma</math> DECAYS”</b>
<i>Chairman</i>	
17-00 - 17-20	<b>R-PROCESS NUCLEI NEAR N=126 AND STABILITY BEYOND DRIP-LINE IN THE RELATIVISTIC HARTREE-BOGOLIUBOV THEORY</b> <i>M. Sharma</i>
17-20 - 17-40	<b>BETA-DECAY STUDIES OF EXTREMELY PROTON-RICH NUCLEI FROM Mg TO S</b> <i>X. Xu</i>
17-40 - 18-00	<b>SHAPE COEXISTENCE IN <math>^{31}\text{Mg}</math> REVEALED BY <math>\beta</math>-<math>\gamma</math> AND <math>\beta</math>-n-<math>\gamma</math> SPECTROSCOPY WITH SPIN-POLARIZED <math>^{31}\text{Na}</math></b> <i>H. Nishibata</i>
18-00 - 18-20	<b>BETA-DECAY AND DELAYED MULTI-NEUTRON EMISSION IN VERY NEUTRON-RICH ISOTOPES</b> <i>I. Borzov</i>
18-20 - 18-40	<b>TWO-PHONON STRUCTURES OF BETA-DECAY RATES</b> <i>A. Severyukhin</i>
18-40 - 19-00	<b>EXOTIC ONE AND TWO PROTON RADIOACTIVITY</b> <i>S. Panikath</i>
19-00 - 19-20	

**12.09.2018 Wednesday**

**POSTER SESSION**

<b>p-n CORRELATION MEASUREMENTS FROM REACTION <math>^2\text{H}(^9\text{Li,p})^{10}\text{Li}</math> USING RIB FROM FRAGMENT SEPARATOR ACCULINNA-2</b> <i>A. Bezbakh</i>	<b>1</b>
<b>SEPARATION EFFICIENCY MEASUREMENT OF THE MASS SEPARATOR MASHA FOR SHORT-LIVED Hg AND Rn ISOTOPES</b> <i>E. Chernysheva</i>	<b>2</b>
<b>EMISSION OF HIGH ENERGY PARTICLES IN HEAVY ION COLLISIONS IN HYDRODYNAMIC APPROACH</b> <i>A. D'yachenko</i>	<b>3</b>
<b>EXPERIMENTAL FOUNDATIONS OF NUCLEAR PHYSICS IN NON-EUCLIDEAN SPACES</b> <i>V. Dyachkov</i>	<b>4</b>
<b>TOTAL REACTION CROSS SECTIONS OF NEUTRON-RICH LIGHT NUCLEI MEASURED BY THE COMBAS FRAGMENT-SEPARATOR</b> <i>B. Erdemchimeg</i>	<b>5</b>
<b>SILICON FOUR-SEGMENT CHARGED PARTICLE DETECTORS</b> <i>I. Gazizov</i>	<b>6</b>
<b>GROUND-STATE ELECTROMAGNETIC MOMENTS OF <math>^{21}\text{O}</math></b> <i>A. Gladkov</i>	<b>7</b>
<b>TOTAL REACTION CROSS SECTION AND BREAKUP REACTION OF WEAKLY BOUND CLUSTER LIGHT NUCLEI AT 22 TO 34 MeV/u</b> <i>B. Hue</i>	<b>8</b>
<b>THE EXPERIMENTAL SETUP TO STUDY WEAKLY BOUND NUCLEI BY THE COMBAS FRAGMENT SEPARATOR</b> <i>T. Isataev</i>	<b>9</b>
<b>STRUCTURE OF <math>\beta</math>-DECAY STRENGTH FUNCTION <math>S_\beta(E)</math> AND WIGNER SPIN-ISOSPIN SU(4) SYMMETRY</b> <i>I. Izosimov</i>	<b>10</b>
<b>ROLE OF DEFORMATION AND ORIENTATION OF TARGET NUCLEUS ON THE COULOMB BARRIER PARAMETERS</b> <i>G. Kaur</i>	<b>11</b>
<b>STUDY OF CLUSTER STRUCTURE OF <math>^{8,9,10}\text{Be}</math> IN DEUTERON INDUCED REACTIONS ON <math>^9\text{Be}</math></b> <i>E. Konobeevski</i>	<b>12</b>
<b>A SEARCH FOR ALTERNATIVE WAYS FOR PRODUCING OF NEW NEUTRON RICH HEAVY AND SUPERHEAVY NUCLEI</b> <i>E. Kozulin</i>	<b>13</b>
<b>A NEW SCATTERING CHAMBER FOR CONDUCTING PRECISION EXPERIMENTS ON THE HEAVY-ION REACTION CROSS SECTIONS AT THE ACCELERATOR DC-60 (ASTANA) AT LOW ENERGIES</b> <i>K. Kuterbekov</i>	<b>14</b>
<b>INFORMATION PROVIDING OF FUNDAMENTAL RESEARCH</b> <i>V. Lukashov</i>	<b>15</b>
<b>EVALUATION FOR POSSIBILITY OF SYNTHESIZING NEW SUPERHEAVY ELEMENT</b> <i>N. Mohd Anuar</i>	<b>16</b>
<b>QUARK MODEL OF NUCLEAR STRUCTURE: FROM STABLE NUCLEI TO NUCLEAR DRIP LINE</b> <i>G. Musulmanbekov</i>	<b>17</b>
<b>CONTROL AND DATA ACQUISITION SYSTEMS OF THE MASHA SETUP</b> <i>A. Novoselov</i>	<b>18</b>

<b>FISSION FRAGMENT DISTRIBUTION AND THE R-PROCESS</b> <i>I. Panov</i>	<b>19</b>
<b>COLLISIONS OF STATICALLY DEFORMED NUCLEI WITHIN A DYNAMICAL MODEL BASED ON LANGEVIN EQUATIONS</b> <i>V. Saiko</i>	<b>20</b>
<b>AN ALTERNATIVE METHOD OF MEASURING EXCITATION FUNCTION OF RESONANCE REACTIONS WITH NEUTRON EMISSION</b> <i>A. Serikov</i>	<b>21</b>
<b>DESCRIPTION OF THE TETRANEUTRON RESONANCE</b> <i>A. Shirokov</i>	<b>22</b>
<b>"MULTI" SET-UP FOR TOTAL REACTION CROSS-SECTION MEASUREMENTS</b> <i>I. Sivacek</i>	<b>23</b>
<b>VME BASED DATA ACQUISITION SYSTEMS</b> <i>R. Slepnev</i>	<b>24</b>
<b>EXPERIMENTAL STUDIES OF TOTAL REACTION CROSS SECTION ENERGY DEPENDENCE FOR <math>{}^6,8\text{He} + {}^{28}\text{Si}</math> AND <math>{}^{9,11}\text{Li} + {}^{28}\text{Si}</math> REACTIONS</b> <i>Yu. Sobolev</i>	<b>25</b>
<b>THE LOW-LYING STATES OF <math>{}^9\text{Be}</math> FROM <math>{}^9\text{Be} + \alpha</math> SCATTERING AT 30 AND 90 MeV</b> <i>V. Starastin</i>	<b>26</b>
<b>MANIFESTATION OF CLUSTER DEGREES OF FREEDOM IN FISSION FRAGMENTS AT CROSSING OF METAL FOILS</b> <i>A. Strelakovsky</i>	<b>27</b>
<b>RESPONSE OF TETRA LONG NEUTRON COUNTER TO MONO ENERGETIC PHOTO-NEUTRONS</b> <i>D. Testov</i>	<b>28</b>
<b>CLUSTERING AND EMERGENT COLLECTIVITY IN MULTIDIMENSIONAL POTENTIAL ENERGY SURFACE CALCULATIONS</b> <i>A. Unzhakova</i>	<b>29</b>
<b>THEORETICAL STUDY OF HALO NUCLEUS OF <math>{}^{11}\text{Be}</math></b> <i>D. Valiolda</i>	<b>30</b>
<b>CLUSTERIZATION AND CRYSTALLIZATION OF COMPLEX NUCLEI</b> <i>Y. Zaripova</i>	<b>31</b>
<b>THE BETA-DECAY OF <math>{}^{28}\text{S}</math></b> <i>Q. Zhao</i>	<b>32</b>
	<b>33</b>
	<b>34</b>
	<b>35</b>
	<b>36</b>
	<b>37</b>
	<b>38</b>