

List of EXON-2004 Participants registered by 11 June

	Name	Title of talk	Country
1.	Farid Abdullin	New Data on Average Charge Values of Heavy Nuclei	JINR
2.	Yasuhisa Abe	Theoretical predictions of excitation functions for synthesis of the superheavy elements	Japan
3.	Nicolas Alamanos	Sub Barrier Fusion with Weakly Bound Nuclei	France
4.	Remy Anne	Technical status of SPIRAL 2	France
5.	Yoshihiro Aritomo	Fusion-fission dynamics for synthesis of super heavy elements	JINR
6.	Nasima Allial	Proton-neutron pairing	Algeria
7.	Anatoly Artukh	On the Formation Mechanism of Forward-Angle Products In The Reactions $^{18}\text{O}(35\text{ Mev/U}) + ^{181}\text{Ta} (^9\text{Be})$	JINR
8.	Marcos Alvarez	A global optical potential to study exotic and weakly bound nuclei interactions.	France
9.	Alberto Andrighetto	Isotopes production from UCx target with proton Beam	Italy
10.	Georges Audi	The 2003 Nubase Evaluation and the 2003 Atomic Mass Evaluation	France
11.	Olivier Bajeat	Optimization of ISOL UCx targets for fission induced by fast neutrons or electrons. Application for the Spiral 2 project and for the Alto project	France
12.	Anatoly Barzakh	Changes in the mean square charge radii of neutron deficient europium isotopes measured by the laser ion source resonance ionization spectroscopy	Russia
13.	Jon Batchelder	Fine Structure Studies of Proton Emitters at HRIBF	USA
14.	Bertram Blank	2p Radioactivity	France
15.	Zdzislaw Blaszcak	Prospects of laser spectroscopy in the study of nuclear matter	Poland
16.	Alexey Bogachev	Yields of correlated fragment pairs in the reaction $^{208}\text{Pb}(^{18}\text{O},f)$, obtained in gamma-gamma coincidence method.	JINR
17.	Virginie Bouchat	Search for tetra-neutrons in the breakup of ^8He	Belgium
18.	Francesco Cappuzzello	Exploring light neutron rich nuclei via the $(^7\text{Li}, ^7\text{Be})$ reaction	Italy
19.	Nelson Carlin	Effect of the breakup on fusion cross sections	Brazil

20.	Francesco Catara		Italy
21.	Evgeni Cherepanov	Organizer	JINR
22.	Vitaliy Cherkaskiy	Chaotic surface quadrupole oscillations of nuclei	Ukraine
23.	Grigor Chubaryan	Expectations in Heavy Element Research with Radioactiv Beams	USA
24.	Leonid Chulkov	Three-body correlations in dissociation of ${}^6\text{He}$	Russia
25.	Raquel Crespo	Probing ${}^6\text{He}$ structure from proton elastic and inelastic collisions	Portugal
26.	Joseph Cugnon	Spallation reactions on neutron-rich nuclei	Belgium
27.	Angelo Cunsolo	New Lines Of Research With The Magnex Large-Acceptance Spectrometer	Italy
28.	Piotr Decowski		USA
29.	C.H. Dasso	Common talk (see Andrea Vitturi)	Spain
30.	Jean-Michel Daugas	Nuclear Moment Measurements of Spin-Aligned Isomeric Fragments	France
31.	Alla Demyanova	Refraktive Behaviour of ${}^{16}\text{O}+{}^{14}\text{C}$ Scattering	Russia
32.	Zdenek Dlouhy	Structure of light neutron-rich odd Z nuclei	Czech Republic
33.	Sergei Dmitriev	Organizer	JINR
34.	Tatyana Donskova	Organizer	JINR
35.	Antoine Drouart	Evidence of Z=120 compound nucleus formation from lifetime measurements in the ${}^{238}\text{U}+\text{Ni}$ reaction at 6.2 MeV/nucleon	France
36.	Zoltan Elekes	Decoupling of valence neutrons from the core in ${}^{16}\text{C}$	Hungary
37.	Hans Emling	Unstable neutron-rich nuclei studied in high-energy reactions with secondary beams	Germany
38.	Hans Feldmeier	Structure of light exotic nuclei within Fermionic Molecular Dynamics	Germany
39.	G. de France	Physics with EXOGAM	France
40.	Andrey Fomichev	${}^5\text{H}$ and ${}^5\text{He}$ ($T=3/2$) nuclei observed in the ${}^6\text{He}(d,{}^3\text{He})$ and ${}^6\text{He}(d,t)$ transfer reactions at 25 A MeV	JINR
41.	Yogy Gambhir	Systematics of Superheavy Nuclei: Microscopic Description	India
42.	Yuri Gangrsky	Laser spectroscopy of transuranium elements	JINR
43.	Hans Geissel	Progress of experiments with stored exotic nuclei	Germany

		at relativistic energies	
44.	Stefan Gmuca	A change of isovector strength of effective interaction for light neutron-rich nuclei	Slovakia
45.	Friedrich Goennenwein	Nuclear Shells governing the most rare Events in Fission	Germany
46.	Vladilen Goldberg	Recent results on the structure of light drip-line nuclei, as it seen in resonant reactions. Future plans for studies of nuclear structure and astrophysically significant reactions, using radioactive beams.	USA
47.	George Goncharov	Nucleosynthesis and search for superheavy elements (Z=108-126) in nature: the possible scenario	Russia
48.	Philip Marshall Gore	Common talk with Elizabeth Jones	USA
49.	Dominique Goute	Organizer	France
50.	Stephane Grevy	Spectroscopy at N=28 : new evidence for a large region of deformation	France
51.	Konstantin Gridnev	Organizer	Russia
52.	Walter Greiner	Fulleren-Structure in Superheavies, Nuclei containing Antimatter and Cold Compression	Germany
53.	Dominique Guillemaud Mueller		France
54.	Georgy Gulbekian	Status report and development of the FLNR cyclotrons	JINR
55.	Mohini Gupta	Microscopic Description of alpha-decay Chains for Z=115 and 118	India
56.	Joseph Hamilton	New nuclear structures in neutron rich nuclei	USA
57.	Abd Elghny Hassan	Near and above barrier fusion-fission excitation functions of ${}^7\text{Li}+{}^{208}\text{Pb}$	JINR
58.	Koji Higashiyama	Beta decay in medium-heavy nuclei and its application to nuclear astrophysics	Japan
59.	Sigurd Hofmann	Heavy Element Research at GSI	Germany
60.	Mahir Hussein	Two-cluster model description of electromagnetic dissociation of neutron-rich carbon and oxygen ions	Brazil
61.	Fadi Ibrahim	The ALTO project at IPN Orsay	France
62.	Bruno Igel		Brazil
63.	Masa Ishihara	Organizer	Japan
64.	Mikhail Itkis	Manifestation of Shell Effects in Fission and Quasi-	JINR

		Fission of Super Heavy Nuclei produced in reactions with ^{48}Ca , ^{58}Fe and ^{64}Ni ions	
65.	Julia Itkis	Neutron Emission in multimodal fission	JINR
66.	Svetlana Ivanova	JINR University Centre	JINR
67.	Igor Izosimov	Decay schemes of nuclei far from stability	Russia
68.	Elizabeth Jones	Unexpected Rapid Variations in Odd-Even Level Staggering in Gamma-Vibrational Bands	USA
69.	Rumiana Kalpakchieva		JINR
70.	Dmitri Kamanin	Experimental study of multi-cluster decays at the modified FOBOS and mini-FOBOS setups.	JINR
71.	Sarkis Karamyan	Comparative analysis of the $^{178\text{m}2}\text{Hf}$ isomer yield	JINR
72.	Abdenbi Khouaja	Reaction cross section measurements of neutron-rich exotic nuclei in the vicinity of closed shells N=20 and N=28	France
73.	Jan Kliman	Gamma ray emission in fission and quasifission reactions	JINR
74.	Sergey Klygin	Combas Separator Multichannel Electronics System For Correlation Experiments	JINR
75.	Galina Kniajeva	The influence of entrance channel on formation and decay of compound nucleus ^{250}No	JINR
76.	Lubos Krupa	Neutron and Prompt Gamma Ray Emission in the Proton Induced Fission of ^{239}Np and ^{243}Am and Spontaneous Fission of ^{252}Cf	JINR
77.	Alexey Korshennikov	Recent experimental studies of exotic nuclei	Japan
78.	Eduard Kozulin	Competition between fusion-fission and quasi-fission in the reactions with ca ions	JINR
79.	Toshiyuki Kubo	BigRIPS separator at RIKEN RI-beam factory	Japan
80.	Andrej Kugler	Public awareness of nuclear science in Europe	Czech Republic
81.	Alexander Kulko	Energy dependence of total reaction cross section of silicon induced by ^4He and ^6He ions	JINR
82.	Kairat Kuterbekov	Energy dependence of Total reaction cross section on ^{28}Si by ^4He -ions in the energy range from Coulomb barrier to 200 MeV	Kazakhstan

83.	Ajay Kumar	Effect of level density in fusion reactions	India
84.	Ivan Kuznetsov	Total reaction cross section $^{28}\text{Si}+^6\text{He}$.	JINR
85.	Yuliya Lashko	Effective interaction generated by the Pauli exclusion principle in collisions of the light neutron-rich nuclei	Ukraine
86.	Jonathan Lee	Progress of TITAN at Triumf	Canada
87.	Alinka Lepine-Szily	Matter Radii of Proton-rich Ga, Ge, As, Se and Br Nuclei	Brazil
88.	Marek Lewitowicz	Physics with SPIRAL2	France
89.	Rubens Lichtenthaler	First Radioactive Beams in Brasil	Brazil
90.	Alexander Lisetskiy	Shell model treatment of neutron-rich nuclei near ^{78}Ni	USA
91.	Yuri Lobanov	Radioactive properties of the heavy isotopes with $Z=112$ and $Z=114$	JINR
92.	Sergei Lukyanov	Organizer Neutron drip line and Peculiarities of O-Mg isotopes	JINR
93.	M. Marques	Quest for tetra neutron	France
94.	Vladimir Maslov	Elastic and Inelastic Scattering of ^6Li on ^{12}C at 63 MeV	JINR
95.	Milan Matos	Direct Mass Measurements of Short-Lived Neutron-Rich Fission Fragments at the FRS-ESR Facility at GSI	GSI
96.	Francois Marechal	Structure of the heavy ca isotopes and effective interaction in the sd-fp shell	France
97.	Magda Metskhvarishvili	Investigation of multipolarity for some g-transitions of ^{151}Eu	Georgia
98.	Anatoli Mezentsev	Organizer	JINR
99.	Kosuke Morita	Decay of an isotope $^{277}112$ produced by the $^{208}\text{Pb} + ^{70}\text{Zn}$ reaction	Japan
100.	Tohru Motobayashi	Perspective of RI beam based research at RIKEN	Japan
101.	Jaromir Mrazek	Structure of Argon isotopes in region of $N=28$	Czech Republic
102.	Hiroari Miyatake	Present status of the KEK-JAERI joint RNB project	Japan
103.	Serban Misiku	1-Talk: An algebraic formalism for cluster spectroscopic factors. 2-Poster: Orientation effects in the capture of ^{48}Ca projectiles by actinides	Romania
104.	Wolfgang Mittig	Light Nuclei Properties Measurement at MAYA Detector	France
105.	Gottfried Muenzenberg	Organizer NUSTAR, Nuclear structure research within the New	Germany

		GSI project objectives and organization	
106.	Manfred Mutterer	Rare Modes in Particle Accompanied Fission	Germany
107.	Yuri Novikov	Common talk (see Milan Matos)	Russia
108.	Alexandre Obertelli	N=16 subshell closure from stability to the neutron drip line	France
109.	Yuri Oganessian	Organizer	JINR
110.	Takaharu Otsuka	Shell structure of exotic nuclei and nuclear force	Japan
111.	Alexei Ogloblin	"Abnormal nuclear dispersion" in heavy-ion scattering: manifestation of exotic nuclear excitation?	Russia
112.	Joshua Patin	Random Analysis of Recent Ca-48 Experiments	USA
113.	Valeria Pershina	Theoretical predictions for the chemical identification of superheavy elements. Role of relativistic effects	Germany
114.	Jean Peter		France
115.	Marius Petrascu	A new approach for getting the intrinsic n-n correlation function for Borromean halo nuclei.	Romania
116.	Yuri Penionzhkevich	Organizer	JINR
117.	Andrei Popoko	Evaluation of the mean ionic charges of heavy elements separated by VASSILISSA	JINR
118.	Elena Prokhorova	Shell effect manifestation in mass energy distributions of fission-fragments of nuclei with Z=102, 112, 114, 116	JINR
119.	Igor Pokrovskiy	Nature and properties of multimodal fission	JINR
120.	Yuri Pyatkov	Observation of the multicluster decays of the ^{252}Cf nucleus at the modified FOBOS spectrometer.	Russia
121.	Emilie Rich	Search For "Tetraneutron" Via the $\text{D}({}^8\text{He}, {}^6\text{Li})4\text{n}$ Transfer Reaction	France
122.	Maria Valentina Ricciardi	Complex Nuclear-Structure Phenomena Revealed From The Nuclide Production In Fragmentation Reactions	Germany
123.	Alexander Rodin	Study of transfer reactions in the systems ${}^6\text{He}+\text{d}$, ${}^6\text{He}+\text{p}$ and ${}^8\text{Li}+\text{d}$ at the 22-28 AMeV projectile energy	JINR
124.	Grigory Rogachev	Resonance Reactions with Rare Isotope Beams and Nuclear Structure beyond the drip line	USA
125.	Yevgeny Ryabov	Statical and statistical properties of heated rotating nuclei in the temperature-dependent finite-range model	Russia
126.	Hiroyuki Sagawa	New Structure Problems in Light Nuclei	Japan
127.	Vyacheslav Samarin	Time-Dependent Quantum Analysis Of Neutron Transfer	Russia

		In Heavy Ion Fusion Reactions	
128.	Herve Savajols	New mass measurements at the neutron drip-line	France
129.	Timur Shneidman	Cluster Interpretation Of Parity Doublet Rotational Bands In Odd-Mass Actinides	JINR
130.	Hans-Joachim Schoett	Target-Wheel development at SHIP-Experiment (GSI)	Germany
131.	Sergey Sidorchuk	Study of the direct reactions $^2\text{H}(t,p)$ and $^3\text{H}(t,d)$ induced by 58-MeV tritons.	JINR
132.	Olga Semchenkova	Organizer	JINR
133.	Roman Sagaidak	Nucleus-Nucleus Potentials From Deep Sub-Barrier Fusion and Cluster Decay	JINR
134.	Yuri Sereda	Multichannel Electronics Setup For Combas Separator	JINR
135.	Alexander Simonenko	Critical temperature of highly excited nuclear matter produced in relativistic proton-nucleus collisions	JINR
136.	Susumu Shimoura	In beam spectroscopy of exotic nuclei via direct reactions of RI beams	Japan
137.	Cosimo Signorini	Interaction at the Barrier with ^{17}F , ^{11}Be , ^6Li : fusion, breakup, scattering, onto heavy targets ^{208}Pb , ^{209}Bi	Italy
138.	Nikalai Scobelev	Delayed fission of heavy nuclei	JINR
139.	Adam Sobiczewski	Effect of non-axial shapes of a nucleus on the height of fission barriers of heaviest nuclei	Poland
140.	Yuri Sobolev	Energy dependence of total reaction cross section of the $^{4,6}\text{He} - ^{28}\text{Si}$ interaction at 5-30 AMeV	JINR
141.	O. Sorlin	Modification of Magic Numbers far from Stability	France
142.	Mihai Stanoiu	In beam gamma-ray spectroscopy of light neutron rich nuclei	France
143.	C. Stodel	Search for SHE at GANIL	France
144.	Louise Stuttge		France
145.	Alexander Svirikhin	The measure of the multiplicities of neutrons from spontaneous fission of short-lived transfermium isotopes on VASSILISSA separator.	JINR
146.	Toshio Suzuki	Spin-Isospin Properties of Nuclei and Neutrino-Nucleus Reactions	Japan
147.	Eloisa Szanto	The $^{6,7}\text{Li} + ^{12}\text{C}$, ^{59}Co systems: Elastic and Breakup	Brazil
148.	Oleg Tarasov	LISE development: application to low-energy fission of projectiles at relativistic energies	USA

149.	Takashi Teranishi	Resonance scattering experiments with low-energy radioactive beams produced by an in-flight separator	Japan
150.	Catherine Thibault	New mass measurements of short-lived 29-33Mg and ^{11}Li using MISTRAL at CERN	France
151.	Christophe Theisen	Spectroscopy of the odd transfermium ^{251}Md and ^{255}Lr nuclei using gamma, electron and alpha spectroscopy	France
152.	Wladyslaw Henryk Trzaska	Search for exotic fission modes	Finland
153.	Alejandro Szanto de Toledo	Interplay between Fusion and breakup processes: study of the $^{6,7}\text{Li} + ^{12}\text{C}$, ^{59}Co system	Brazil
154.	Igal Talmi		Israel
155.	Gurgen Ter-Akopian	Recent Study of the $^3\text{H}(t,p)$ Reaction Induced by 58-MeV Tritons. Evidences for Excited States in 5H	JINR
156.	Svetlana Tretyakova	Search of Cluster Decay of ^{223}Ac	JINR
157.	Monica Trotta	Identification of neutron-rich nuclei at the PRISMA spectrometer	Italy
158.	Andreas Tuerler	Future experiments on the chemistry of superheavy elements	Germany
159.	Hideki Ueno	Nuclear-moment measurements of the light neutron-rich nuclei	Japan
160.	Vladimir Utyonkov	Synthesis and Decay Properties of Superheavy Nuclei	JINR
161.	Jan Sigurd Vaagen	Exploring halo excitations via correlations	Norway
162.	David Verney	Structure of the neutron-rich nuclei close to N=50 towards ^{78}Ni	France
163.	Tamas Vertse	A shell model representation with antibound states for analyzing exotic nuclei.	Hungary
164.	Andrea Vitturi	Reactions with weakly-bound nuclei at the Coulomb barrier	Italy
165.	Alexei Voinov	The detection system of the Dubna Gas-filled Separator for SHE's search	JINR
166.	Michiharu Wada	The Universal Slow RI-beam Facility at RIKEN RIBF	Japan
167.	Takahiro Wada	Dynamics of the neck formation and its effect on the fusion probability	Japan
168.	Philip Arthur Wilk	Development of a plutonium ceramic target for the MASHA separator	USA

169.	Roman Wolski	Quasifree scattering in reactions ^6He and ^8He with helium target	JINR
170.	Arkadi Yukhimchuk	System for Feeding Hydrogen Isotope Gases into a Cyclotron Ion Source	Russia
171.	Alexander Yakushev	1) Approach for chemical study of element 114 and test experiments. 2) Cross sections measurement in fusion reactions $^{36}\text{Ar}(^{148}\text{Sm}, xn)$	Germany
172.	Alexander Yeremin	Gamma spectroscopy of transfermium elements at VASSILISSA set up.	JINR
173.	Helmut Zeittraeger	Russian-German Cooperation at GSI, an example of success and friendship	Germany
174.	Valeri Zagrebaev	Fusion, fission and quasi-fission	JINR
175.	Victor Zlokazov	On analysis of data of radioactive decays under conditions of poor statistics and small observation time.	JINR
176.	Lina Zuffi	Beta Decay of Odd-Mass As-Ge Isotopes in the Interacting Boson-Fermion Model	Italy
177.	Ivo Zvara	Chemistry of SHE: What Allows us to Judge Bulk Properties of Compounds from the Behavior of Single Molecules?	JINR
178.	Andrey Zubov	Survival probabilities of superheavy nuclei with recent predictions of nuclear properties	JINR