

Programme (real) of International Conference: **Current Problems in Nuclear Physics and Atomic Energy (NPAE-Kyiv2006)**

	Monday, 29 May	Tuesday, 30 May	Wednesday, 31 May	Thursday, 1 June	Friday, 2 June
Plenary Session	Plenary Session 14:00 – 18:15 (conference hall)	Plenary Session 9:30 – 13:00 (conference hall)	Plenary Session 9:30 – 13:00 (conference hall)	Plenary Session 9:30 – 13:00 (conference hall)	Plenary Session 9:30 – 13:00 (conference hall)
Collective processes in atomic nuclei		Oral Session (14:30 – 18:25) (conference hall)		Oral Session (14:30 – 18:25), (conference hall); Poster Session (9:00 - 19:00), (conference hall)	
Nuclear reactions and processes with Exotic nuclei			Oral Session (14:30 – 18:25) (conference hall)	Oral Session (14:30-18:25) (room 32); Poster Session , (9:00 - 19:00), (conference hall)	Oral Session (14:30 – 18:25) (room 32)
Rare nuclear processes				Oral Session (14:30-18:25) (room 46); Poster session , (9:00 - 19:00), (conference hall)	
Relativistic nuclear physics				Poster session , (9:00 - 19:00), (conference hall)	Oral Session (14:30 – 18:25) (conference hall)
Neutron physics			Oral Session (14:30 – 18:25), (room 46); Poster session (9:00 - 19:00), (conference hall)		
Physics of nuclear reactors, problems of atomic energy and reactors of the future		Oral Session (14:30 – 18:25), (room 32)	Oral Session (14:30 – 18:25), (room 32); Poster session , (9:00 - 19:00), (conference hall)		
Applied nuclear physics and technique of experiments		Oral Session (14:30 - 18.25) (room 46)	Poster session (9:00 -19:00), (conference hall)		Oral Session (14:30 – 18:25) (room 46)
Social Program	Reception	Excursion to KINR	Tour	Conference Dinner	

9:00 - 13:30, Arrival and Registration**Plenary Session (Conference Hall)**

14 : 00	<i>Opening of Conference</i> Academician I. Vyshnevskyi (Institute for Nuclear Research, Ukraine)	kinr@kinr.kiev.ua
----------------	---	--

Chairman Prof. V. kolomietz

14:10 – 14:50	Matthias Brack (RU, Regensburg, Germany) <i>Recent progress in the semiclassical description of shell effects in nuclear deformation energies.</i>	matthias.brack@physik.uni-regensburg.de
14:55 – 15:35	Aleksandr Barabash (ITEP, Moscow, Russia) <i>Double decay experiments.</i>	barabash@itep.ru
15:40 – 16:20	W. Udo Schroeder (University of Rochester, USA) <i>Equilibrium and non-equilibrium emission of particles and clusters in intermediate-energy nuclear reactions.</i>	udo.schroeder@gmail.com

*Coffee break (11:00 – 11:30)**Chairman Prof. V. kolomietz*

16:50 – 17:30	Walter Kutschera (Institute for Isotope Research and Nuclear	walter.kutschera@univie.ac.at
---------------	---	--

	Physics, Vienna, Austria) <i>VERA, a universal facility for Accelerator Mass Spectrometry.</i>	
17:35 – 18:15	Konstantin Gridnev (SPBU, St-Petersburg, Russian Federation) <i>Towards to Bose-Einstein condensation in light nuclei.</i>	gridnev@nuclpc1.phys.spbu.ru

30 May

Plenary Sessions NPAE-Kyiv2006

(Conference Hall)

30 May, Thursday 9:30

9:30 - 10:10	S. Shlomo (Texas A&M University, USA) <i>The equation of state of symmetric and asymmetric nuclear matter</i>	shlomo@comp.tamu.edu
10:15 - 10:55	K.W. Kemper (Florida State University, USA) <i>Heavy ion reactions with polarized and unpolarized beams</i>	kirby@martech.fsu.edu
<i>Coffee break (11:00 – 11:30)</i>		

11:30 - 12:10	J. Piekarewicz (Florida State University, USA) <i>Neutron-rich nuclei in Heaven and Earth</i>	jorgep@csit.fsu.edu
12:15 - 12:55	A. Sobiczewski (INS, Warsaw, Poland)	Adam.Sobiczewski@fuw.edu.pl

31 May

Plenary Sessions NPAE-Kyiv2006

(Conference Hall)

31 May, Wednesday 9:30

Chairman **Prof. J. Piekarewicz**

9:30-10:10	P. Ring (Technischen Universität München, Germany) <i>Covariant Density Functional Theory for Excited States in Nuclei far from Stability</i>	ring@ph.tum.de peter.ring@ph.tum.de
10:15-10:55	G. Colo (Università degli Studi, Milano, Italia) <i>Constraints on the nuclear energy functional from calculations of the vibrational states</i>	Gianluca.Colo@mi.infn.it
<i>Coffee break (11:00 – 11:30)</i>		

Chairman **Prof. I. Vyshnevskiy**

11:30-12:10	M.I. Vlasenko, (ENERGOATOM, Kyiv, Ukraine) <i>State and perspectives of development for atomic energy of Ukraine</i>	Vlasenko@direkcy.atom.gov.ua
12:15-12:55	A.Siora (Closed Joint-Stock Company "Radium", Kirovograd, Ukraine) <i>The conception of safety control system (SCS) development on the "rigid" logic principles.</i>	email-zaoradiy@email.ru

1 June

Plenary Sessions NPAAE-Kyiv2006

(Conference Hall)

1 June, Thursday 9:30

Chairman *Prof. P. Ring*

9:30-10:10	S. Åberg (Lunds Universitet, Lund, Sweden) <i>Chaos in nuclear ground state and excited states</i>	sven.aberg@matfys.lth.se
10:15-10:55	R. Bernabei (INFN, Roma, Italy) <i>Results on Dark Matter and rare processes by DAMA at Gran Sasso</i>	Rita.Bernabei@roma2.infn.it
<i>Coffee break (11:00 – 11:30)</i>		

Chairman *Prof. T. Dossing*

11:30-12:10	P. Danielewicz (Michigan State University, USA) <i>Nuclear Equation of State from Reactions and Structure</i>	danielewicz@nscl.msu.edu
12:15-12:55	P. Figuera (LNS-INFN, Catania, Italy) <i>Structure effects on reaction mechanisms in collisions induced by halo and weakly bound nuclei around the barrier.</i>	figuera@lns.infn.it

2 June

Plenary Sessions NPAE-Kyiv2006

(Conference Hall)

2 June, Friday 9:30

Chairman Prof. P. Danielewicz

9:30-10:10	T. Dossing (Niels Bohr Institute, Copenhagen, Denmark) <i>Gamma-Decay Cascades emitted by Rotating Nuclei.</i>	dossing@nbi.dk
10:15-10:55	N. Dinh Dang (RIKEN, Japan) <i>Giant resonances under extreme conditions.</i>	dang@postman.riken.go.jp
<i>Coffee break (11:00 – 11:30)</i>		

Chairman Prof. G. Colo

11:30-12:10	V. Ziman (Charissa and DeMoN collaborations) <i>Cluster states in resonant scattering studies.</i>	V.Ziman@bham.ac.uk
12:15-12:55	P. Thirolf (LMU München, Germany) <i>New Insights into the Multiple-Humped Fission Barrier Landscape of Actinide Nuclei.</i>	Peter.Thirolf@Physik.Uni-Muenchen.de

Programme:
Collective processes in atomic nuclei

(Conference Hall)

30 May, Tuesday 14:30

Chairman Prof. A. Sobiczewski

14:30-14:50	The transport coefficients for slow collective motion <i>F.A.Ivanyuk</i>	<i>Fedor Ivanyuk</i> (Institute for Nuclear Research, Kyiv, Ukraine)	<i>ivanyuk@kinr.kiev.ua</i>
14:55-15:15	The influence of tunneling effect on heavy ions fusion probability <i>G.I.Kosenko and T.I.Nevzorova.</i>	<i>Grigorii Kosenko</i> (Omsk State University, Omsk, Russia)	<i>kosenko@phys.omsu.omskreg.ru</i>
15:20-15:40	Temperature dependence of the isovector dipole response for asymmetric spherical nuclei: a kinetic-theory approach <i>V.I.Abrosimov and O.I.Davidovskaya</i>	<i>Oksana Davidovskaya</i> (Institute for Nuclear Research, Kyiv, Ukraine)	<i>oid@kinr.kiev.ua</i>
15:45-16:05	Diffuseness of nucleus-nucleus potential and diffuseness of density distribution in nuclei <i>V.Yu.Denisov and V.A.Nesterov</i> Interaction potential between two axially symmetric nuclei <i>V.Yu.Denisov and M.O.Pilipenko</i>	<i>Vitalii Denisov</i> (Institute for Nuclear Research, Kyiv, Ukraine)	<i>denisov@kinr.kiev.ua</i>

Coffee Break (16:05 – 16:30)

Chairman Prof. F. Ivanyuk

16:30-16:50	Role of the entrance channel dynamics on the evaporation residue formation <i>A.K.Nasirov, G. G. Giardina, G. Mandaglio, M.Manganaro, A. I. Muminov, R. K. Utamuratov</i>	<i>Avazbek Nasirov</i> (Joint Institute for Nuclear Research, Dubna, Russia)	<i>nasirov@jinr.ru</i>
16:55-17:15	Tunneling along γ-axis between prolate and oblate shapes <i>A.Ya.Dzyublik and V.V.Utyuzh</i>	<i>Alexandr Dzyublik</i> (Institute for Nuclear Research, Kyiv, Ukraine)	<i>dzyublik@kinr.kiev.ua</i>
17:20-17:40	Spectral statistical aspects of nuclear collective dissipation <i>V.M.Kolomietz and S.V.Radionov</i> Non-Markovian Langevin dynamics of nuclear Fermi-liquid drop <i>V.M.Kolomietz and S.V.Radionov</i>	<i>Sergei Radionov</i> (Institute for Nuclear Research, Kyiv, Ukraine)	<i>sergey.radionov@matfys.lth.se</i>
17:45-18:05	Semiclassical transport properties and shell structure in the nuclear collective dynamics <i>A. G. Magner, A. M. Gzhebinsky and S. N. Fedotkin</i>	<i>Alexandr Magner</i> (Institute for Nuclear Research, Kyiv, Ukraine)	<i>magner@kinr.kiev.ua</i>

International Conference *NPAE-Kyiv2006*

1 June

Programme:

Collective processes in atomic nuclei

(Conference Hall)

1 June, Thursday 14:30

Chairman *Prof. F. Ivanyuk*

14:30-14:50	Bubble instability of hot nuclear matter <i>V.M.Kolomietz</i>	<i>Volodymyr Kolomietz</i> (Institute for Nuclear Research, Kyiv, Ukraine)	<i>VKolom@kinr.kiev.ua</i>
-------------	---	---	----------------------------

14:55-15:10	Liquid & vapor dynamics of droplets due to shock waves <i>V.N.Kondratyev</i>	<i>Vladimir Kondratyev</i> (Taras Shevchenko National University, Kyiv, Ukraine)	<i>Vkondra@univ.kiev.ua</i>
15:15-15:30	The structure peculiarities of ^4He within a precise approach <i>B.E. Grinyuk, D.V. Pyatnitsky, I.V. Simenog</i>	<i>Borys Grinyuk</i> (Bogolyubov Institute for Theoretical Physics, Kyiv, Ukraine)	<i>bgrinyuk@bitp.kiev.ua</i>
15:35-15:50	Microscopic theory of nuclear dissipation <i>V.P.Aleshin</i>	<i>Vladimir Aleshin</i> (Institute for Nuclear Research, Kyiv, Ukraine)	<i>aleshin@kinr.kiev.ua</i>
15:55-16:10	Theoretical description of nucleons paired correlations of even-even nuclei in the adiabatic three-particle model <i>R. M. Plekan, V. Yu. Pojda, I.V. Khimich</i>	<i>Ivan Khimich</i> (Uzhgorod National University, Uzhgorod Ukraine)	<i>nphys@univ.uzhgorod.ua</i>
<i>Coffee Break (16:10 – 16:30)</i>			

Chairman Prof. V. Kolomietz

16:30-16:45	Dynamical CP-violation at finite nuclear (quark) densities in Quasilocal quark models <i>V.A. Andrianov, A.A. Andrianov and S.S. Afonin</i>	<i>Vladimir Andrianov</i> (Univ, St.-Petersburg Russia).	<i>Vladimir.Andrianov@pobox.spbu.ru</i>
16:50-17:05	Vibrational enhancement of nuclear level density <i>O.M.Gorbachenko and V.A. Plujko</i>	<i>Olexandr Gorbachenko</i> (Taras Shevchenko National University, Kyiv, Ukraine)	<i>Gorbachenko@mail.univ.kiev.ua</i>
17:10-17:25	A microscopic description of 0^+ states in deformed nuclei <i>A.V.Sushkov</i>	<i>Alexandr Sushkov</i> (Joint Institute for Nuclear Research, Dubna, Russia)	<i>sushkov@thsun1.jinr.ru</i>
17:30-17:45	Collective bands built on the 0^+ and other states in ^{230}Th excited in the (p,t) reaction <i>A.I.Levon, G.Graw, C.Gunther, R.Hertenberger,</i>	<i>Alexandr Levon</i> (Institute for Nuclear Research, Kyiv, Ukraine)	<i>levon@kinr.kiev.ua</i>

	<i>Y.Eisermann, H.-F. Wirth, N.V. Zamfir</i>		
17:50-18:05	Influence of octupole interaction on the odd states of small spins. <i>A.V.Sitdikov, R.H.Safarov</i>	<i>Airat Sitdikov</i> (University, Kazan, Russia)	<i>airat_vm@rambler.ru</i>

International Conference **NPAE-Kyiv2006**

1 June

Poster Session

(second floor near Conference Hall)

1 June, Thursday 9:00 – 19:00

- Collective processes in atomic nuclei:

	Collective degree of freedom for $^{133}\text{Xe} \rightarrow ^{133}\text{Cs}$ β-decay <i>I.M. Vyshnevskiy, A.A.Kurteva, V.E.Mitroshin</i>	<i>Anna Kurteva</i> (Institute for Nuclear Research, Kyiv, Ukraine)	<i>akurteva@kinr.kiev.ua</i>
	Collective effects for β-decay of odd nuclei <i>I.M. Vyshnevskiy, A.A.Kurteva, V.E.Mitroshin</i>	<i>Anna Kurteva</i> (Institute for Nuclear Research, Kyiv, Ukraine)	<i>akurteva@kinr.kiev.ua</i>

Programme:
Nuclear reactions and processes with exotic nuclei

(Conference Hall)

31 May, Wednesday 14:30

Chairman Prof. K. Gridnev

14:30-14:45	Theoretical possibilities for the existence of a tetra-neutron <i>I.V.Simenog, B.E.Grinyuk, Yu.M.Bidasyuk</i>	<i>Ivan Simenog</i> (Bogolyubov Institute for Theoretical Physics, Kyiv, Ukraine)	ivsimenog@bitp.kiev.ua
14:50-15:05	Study of the neutron halo structure in the two neutron transfer reactions <i>G.E. Belovitsky, E.S. Konobeevski, A.V. Stepanov, V.P. Zavarzina, S.V. Zuyev, N.G. Polukhina, N.I. Starkov, S.M. Lukyanov, and Yu.G. Sobolev</i>	<i>Valentina Zavarzina</i> (Institute for Nuclear Research, Moscow, Russia)	Zavarz@sci.lebedev.ru
15:10-15:25	Isotopic and isobaric effects in the light-heavy-ion nuclear processes <i>A. T. Rudchik, E. I. Koshchy, S. Kliczewski, O. A. Ponkratenko</i>	<i>Evgenii Koshchy</i> (Kharkiv National University, Kharkiv, Ukraine)	Koshchy@univer.kharkov.ua
15:30-15:45	On fragmentation mechanism of ^{18}O on ^{181}Ta and ^9Be at 35 MeV/U <i>V. P. Aleshin, A. G. Artukh, G. Kaminski, Yu. M. Sereda</i>	<i>Anatolii Artukh</i> (Joint Institute for Nuclear Research, Dubna, Russia)	artukh@cv.jinr.ru
15:50-16:05	Peculiarities in the interaction of ^6He with ^{197}Au at energies close to the coulomb barrier <i>Yu.E. Penionzhkevich, R.A. Astabatyan, N.A. Demekhina, R. Kalpakchieva, A.A. Kulko, S.P. Lobastov, S.M. Lukyanov, E.R. Markaryan, V.A. Maslov, Yu.A. Muzychka, Yu.Ts. Oganessian, D.N. Rassadov, N.K. Skobelev, Yu.G. Sobolev, T. Zholdybaev</i>	<i>Nikolai Skobelev</i> (Joint Institute for Nuclear Research, Dubna, Russia)	skobelev@jinr.ru

Chairman **Prof. A. Rudchyk**

16:30-16:45	Cluster structure of ${}^6\text{He}$ from $p+{}^6\text{He}$ experiments <i>K.Rusek, L. Giot, K.W. Kemper and P. Roussel-Chomaz</i>	<i>Krzysztof Rusek</i> (Soltan Institute for Nuclear Studies, Warsaw, Poland)	<i>rusek@fuw.edu.pl</i>
16:50-17:05	Cluster structure of the ${}^6\text{He}$ nucleus in the model of the multiple diffraction scattering <i>V.P. Mikhaylyuk, Yu.O. Pozdnyakov</i>	<i>Vadim Mikhaylyuk</i> (Institute for Nuclear Research, Kyiv, Ukraine)	<i>mikhailyuk@kinr.kiev.ua</i>
17:10-17:25	Angular correlations and decay branching ratio for unbound state of ${}^7\text{Li}^*(7.45\text{ meV})$ excited at the inelastic scattering of alpha-particles by ${}^7\text{Li}$ <i>O.F.Nemets, Yu.N.Pavlenko, V.L.Shablov, F.I.Karmanov, V.O.Kyva, V.N.Dobrikov, O.K.Gorpinich, I.N.Kolomiets, B.A.Rudenko, Yu.Y.Karlyshev, A.P.Voiter, I.A.Mazny, V.V.Ostashko, S.E.Omelchuk, Yu.S.Roznuk</i>	<i>Yurii Pavlenko</i> (Institute for Nuclear Research, Kyiv, Ukraine)	<i>YPavlen@kinr.kiev.ua</i>
17:30-17:45	$\alpha+t$ three-body reactions and excited levels of lightest nuclei <i>O. K. Gorpinich and O.M.Povoroznyk</i>	<i>Orest Povoroznyk</i> (Institute for Nuclear Research, Kyiv, Ukraine)	<i>Orestpov@kinr.kiev.ua</i>
17:50-18:05	On mechanism of formation of excited states of the ${}^8\text{Be}$ nucleus in the ${}^{12}\text{C}(\gamma,3\alpha)$ reaction <i>S.N. Afanasyev, A.F. Khodyachikh</i>	<i>Sergei Afanasyev</i> (NSC "Kharkiv Institute of Physics and Technology", Kharkiv, Ukraine)	<i>afanserg@kipt.kharkiv.ua</i>
18:10-18:25	Description of the proton-triton recharge process with formation of intermediate isobar in diffraction approach <i>V.V. Davydovskyy, M.V. Evlanov, V.K. Tartakovskyy</i>	<i>Volodymyr Davydovskyy</i> (Institute for Nuclear Research, Kyiv, Ukraine)	<i>odavi@kinr.kiev.ua</i>

(Room 32)

1 June, Thursday 14:30

Chairman Prof. A. Levon

14:30-14:50	Spin polarization phenomena in nuclear matter with effective nuclear forces <i>A.A.Isayev</i>	<i>Alexander Isayev</i> (NSC "Kharkiv Institute of Physics and Technology", Kharkiv, Ukraine)	<i>isayev@mail15.com</i>
14:55-15:15	On the method of solving Faddeev-type equations for a three-hadron system with Coulomb interaction in continuum <i>V.K. Tartakovsky, I.V. Kozlovsky, V.I. Kovalchuk</i>	<i>Igor Kozlovsky</i> (Bogolyubov Institute for Theoretical Physics, Kyiv, Ukraine)	<i>ntnritp@bitp.kiev.ua</i>
15:20-15:40	Interaction of deuterons with tritium nuclei: inclusive spectra <i>S.B.Berdnichenko, V.I.Grantsev, V.O.Grashilin, T.I.Kibkalo, K.K.Kisurin, O.V.Kovalenko, M.F.Kolomiets, O.M.Mofa, S.E.Omelchuk, G.P.Palkin, Yu.S.Roznyuk, B.A.Rudenko, L.S.Saltykov, V.S.Semenov, L.I.Slusarenko, B.G.Struzhko, V.A.Shytiuk</i>	<i>Borys Struzhko</i> (Institute for Nuclear Research, Kyiv, Ukraine)	<i>struzhko@kinr.kiev.ua</i>
15:45-16:05	Resonances in three-cluster continuum of ^5H nucleus <i>A.V. Nesterov, V. S. Vasilevsky, F. Arickx, J. Broeckhove, and P. Hellinckx</i>	<i>Alexandr Nesterov</i> (Bogolyubov Institute for Theoretical Physics, Kyiv, Ukraine)	<i>Nesterov@bitp.kiev.ua</i>
Coffee Break (16:05 – 16:30)			

Chairman Prof. I. Kadenko

16:30-16:50	Determination of singlet nn-scattering length from data on NN- final state interaction in $n+d \rightarrow p+n+n$ reaction <i>E. S. Konobeevski, M.V.Mordovskoy, V.A.Sergeev, S.I.Potashev, S.V.Zuev</i>	<i>Evgenii Konobeevski</i> (Institute for Nuclear Research, Moscow, Russia)	<i>konobeev@al20.inr.ru</i>
-------------	---	--	-----------------------------

16:55-17:15	Spin dependent realistic nucleon – nucleon potential in RGM calculation for α-α scattering <i>Yu.E. Kozyr</i>	<i>Yurii Kozyr</i> (Institute for Nuclear Research, Kyiv, Ukraine)	<i>Vverbit@kinr.kiev.u</i>
17:20-17:40	Model-independent description of the light nucleus-nucleus elastic scattering at intermediate energies <i>V. Yu. Korda, A. S. Molev and L. P. Korda</i>	<i>Volodymyr Korda</i> (Institute of Electrophysics and Radiation Technologies, Kharkiv, Ukraine)	<i>akvyu@kipt.kharkov.ua</i>
17:45-18:05	Alternative approach to analytic representation of the coulomb breakup amplitude <i>A. P. Ilyin</i>	<i>Anatolii Ilyin</i> (Institute for Nuclear Research, Kyiv, Ukraine)	<i>Ilyin@kinr.kiev.ua</i>

International Conference *NPAE-Kyiv2006*

2 June

Programme:
Nuclear reactions and processes with exotic nuclei

(Room 32)

2 June, Friday 14:30

Chairman Prof. I. Kadenko

14:30-14:45	Description of e_0-electron yield emission from the source surface in radioactive decay <i>A.I.Feoktistov</i>	<i>Alexei Feoktistov</i> (Institute for Nuclear Research, Kyiv, Ukraine)	<i>kupryashkin@kinr.kiev.ua</i>
14:50-15:05	Verification of models for calculation of photo-absorption cross-sections <i>V.A.Plujko, I.M.Kadenko, S. Goriely, O.A.Bezshyyko,</i>	<i>Volodymyr Plujko</i> (Taras Shevchenko National University, Kyiv, Ukraine)	<i>Plujko@univ.kiev.ua</i>

	<i>L.O.Golinka-Bezshyyko, O.I.Davidovskaya</i>		
15:10-15:25	Core polarization state in γ-decay of the analogue $D_{5/2}$-resonance in ^{31}P <i>A.N. Vodin, I.V. Ushakov, L.P. Korda, G.E. Tuller, V.T. Bykov, A.O. Rastrepina</i>	<i>Gleb Tuller</i> (NSC "Kharkiv Institute of Physics and Technology", Kharkiv, Ukraine)	<i>skad@pisem.net</i>
15:30-15:45	Realistic alpha-nucleus potentials in description of bremsstrahlung during alpha-decay <i>S.P.Maydanyuk, V.S.Olkhovsky and S. V. Belchikov</i>	<i>Sergei Maydanyuk</i> (Institute for Nuclear Research, Kyiv, Ukraine)	<i>maidan@kinr.kiev.ua</i>
15:50-16:05	Comparative analysis of the $^{178m2}\text{Hf}$ isomer yield at reactions with different projectiles <i>S.A. Karamian</i>	<i>Sarkis Karamian</i> (Joint Institute for Nuclear Research, Dubna, Russia)	<i>karamian@nrmil.jinr.ru</i>
<i>Coffee Break (16:05 – 16:30)</i>			

Chairman Dr. Y. Pavlenko

16:30-16:50	Study of e_0-electron yield from the sources arising place in ^{64}Cu radioactive decay <i>A.I. Feoktistov, A.A.Val'chuk, V.T.Kupryashkin, L.P. Sidorenko, I.P. Shapovalova</i> Study of e_0-electron yield from the surface of radioactive sources ^{64}Cu under positron decay <i>A.I. Feoktistov, A.A.Val'chuk, A.V. Kovalenko, N.F. Kolomiets, V.T.Kupryashkin, L.P. Sidorenko, I.P. Shapovalova</i>	<i>Alena Val'chuk</i> (Institute for Nuclear Research, Kyiv, Ukraine)	<i>helenes@yandex.ru</i>
16:55-17:10	The possibility of time resonance (explosion) phenomena in high-energy nuclear reactions <i>V.S. Olkhovsky, M.E. Dolinska, S.A.Omelchenko</i>	<i>Vladislav Olkhovsky</i> (Institute for Nuclear Research, Kyiv, Ukraine)	<i>Olkhovsk@kinr.kiev.ua</i>
17:15-17:30	Status and perspectives for further experimental investigation of $^{178m2}\text{Hf}$ isomer triggering by low-energy photons	<i>Volodymyr Kirischuk</i> (Institute for Nuclear Research, Kyiv, Ukraine)	<i>Kirsch@mpca.kiev.ua</i>

	<i>V. I. Kirischuk, N. V. Strilchuk and V. A. Zheltonozhsky</i>	Ukraine)	
17:35-17:50	Processes of neutronization and protonization of nuclei in gravitating heavy stars and at shock compression of a target in a laboratory electron-nuclear collapse <i>S.V. Adamenko, V. I. Vysotskii</i>	<i>Volodymyr Vysotskii</i> (Taras Shevchenko National University, Kyiv, Ukraine)	<i>viv@vhome.kiev.ua</i>

International Conference *NPAE-Kyiv2006*

1 June

Poster Session

(second floor near Conference Hall)

1 June, Thursday 9:00 – 19:00

- Nuclear reactions and processes with exotic nuclei:

	A microscopic model for Cluster polarization, applied to the resonances of ${}^7\text{Be}$ and the reaction ${}^6\text{Li}(p, {}^3\text{He})$ <i>T.P.Kovalenko, V. S. Vasilevsky, F. Arickx, J. Broeckhove</i>	<i>Tatyana Kovalenko</i> (Bogolyubov Institute for Theoretical Physics, Kyiv, Ukraine)	<i>Nesterov@bitp.kiev.ua</i>
	Investigation of excitement of indium isomers in the (γ, γ') , (γ, n) and (γ, p) reactions <i>V. S. Bokhinyuk, A. I. Gutiy, O. M. Parlag, N.T. Sabolchiy, I. V. Sokolyuk, I. V. Khimich</i>	<i>Ivan Khimich</i> (Uzhgorod National University, Uzhgorod Ukraine)	<i>nphys@univ.uzhgorod.ua</i>
	Investigation of photofission fragment yields near threshold <i>V. S. Bokhinyuk, A.P. Osipenko, V.A. Pylypchenko, I. V. Khimich</i>	<i>Volodymyr Pylypchenko</i> (Uzhgorod National University, Uzhgorod Ukraine)	<i>nphys@univ.uzhgorod.ua</i>
	Nuclear g-factors of high-spin isomers in ${}^{190,192,194}\text{Pt}$ and ${}^{196,198}\text{Hg}$	<i>Alexandr Levon</i> (Institute for Nuclear Research, Kyiv,	<i>levon@kinr.kiev.ua</i>

	<i>A.I.Levon, I.B. Kovgar, Yu.V. Nosenko, V.A. Onischuk, A.A. Shevchuk</i>	Ukraine)	
	Collective effects in γ-decay of isobaric analogue resonances in 1d2s-shell nuclei <i>A.N.Vodin</i>	<i>Alexandr Vodin</i> (NSC "Kharkiv Institute of Physics and Technology", Kharkiv, Ukraine)	<i>Vodin@kipt.kharkov.ua</i>
	Experimental study of the excited states of helium isotopes in the reactions ${}^7\text{Li}(d, {}^{3,4,6}\text{He})$ at deuteron energy of 37 MeV <i>Yu. N. Pavlenko, O. K. Gorpinich, V. N. Dobrikov, N. L. Doroshko, V. O. Kyva, I. N. Kolomiets, V. I. Medvedev, Val. M. Pirnak</i>	<i>Natalia Doroshko</i> (Institute for Nuclear Research, Kyiv, Ukraine)	<i>kinrk@kinr.kiev.ua</i>
	The ${}^7\text{Li} + {}^{16}\text{O}$ elastic scattering cross section and analyzing powers in the coupled-reaction-channels approach <i>A. T. Rudchik, K. W. Kemper, A. A. Rudchik, A. M. Crisp, V. M. Kyryanchuk, F. Maréchal, O. A. Momotyuk, O. A. Ponkratenko, B. T. Roeder, and K. Rusek</i>	<i>Andrii Rudchik</i> (Institute for Nuclear Research, Kyiv, Ukraine)	<i>Rudchik@kinr.kiev.ua</i>
	Elastic and inelastic scattering of ${}^7\text{Li} + {}^{18}\text{O}$ versus ${}^7\text{Li} + {}^{16}\text{O}$ <i>A. A. Rudchik (junior), A. T. Rudchik, S. Kliczewski, E. I. Koshchy, O. A. Ponkratenko, K. Rusek, K. W. Kemper, A. Budzanowski, A. Szczurek, J. Choiński, T. Czosnyka, L. Głowacka, E. Kozik, V. M. Kyryanchuk, S. Yu. Mezhevych, A. V. Mokhnach, I. Skwirczyńska, R. Siudak</i>	<i>Andrii Rudchik</i> (Institute for Nuclear Research, Kyiv, Ukraine)	<i>Rudchik@kinr.kiev.ua</i>
	Isotopic effects in the ${}^7\text{Li} + {}^{10,11}\text{B}$ elastic and inelastic scattering <i>V. O. Romanyshyn, A. T. Rudchik, A. Budzanowski, A. Szczurek, J. Choiński, B. Czech, T. Czosnyka, L. Głowacka, S. Kliczewski, E. I. Koshchy, S. Yu. Mezhevych, O. A. Ponkratenko, K. Rusek, R. Siudak, I. Skwirczyńska</i>	<i>Volodymyr Romanyshyn</i> (Institute for Nuclear Research, Kyiv, Ukraine)	<i>Rudchik@kinr.kiev.ua</i>
	Mass spectra of fragments at photofission of ${}^{232}\text{Np}$. O.O. Parlag	<i>Olexandr Parlag</i> (Uzhgorod National University, Uzhgorod Ukraine)	<i>Parlag@mail.uzhgorod.ua</i>

	<p>Determination of value of singlet nn-scattering length by solution of inverse problem for data on $n+d \rightarrow p+n+n$ reaction yield <i>E.S.Konobeevski, M.V.Mordovskoy, S.V.Zuyev</i></p>	<p><i>Sergei Zuyev</i> (Institute for Nuclear Research, Moscow, Russia)</p>	<p><i>iz@pp.ti.ru</i></p>
	<p>The induced change of an electrical charge of Lithium-7 at collision with fast neutrons <i>B.A. Martsynkevich, A.M. Khilmanovich, M.I. Levchuk, S.V. Korneyev, S.E. Chigrinov, V.S. Butsev</i></p>	<p><i>B.A. Martsynkevich</i> (Stepanov Institute of Physics, Minsk, Belarus)</p>	<p><i>martsyn@dragon.bas-net.by</i></p>
	<p>Resonant production of electron-positron pair by a photon with photon emission in strong magnetic field <i>Fomin P.I., Kholodov R.I.</i></p>	<p><i>Roman Kholodov</i> (Institute of Applied Physics, Sumy, Kyiv, Ukraine)</p>	<p><i>kholodov@ipfcentr.sumy.ua</i> <i>rkholodov@yahoo.com</i></p>
	<p>Positron investigations in the Institute of Physics National Academy of sciences of Belarus <i>S. K. Andrukhovich, N. Antovich, A. V. Berestov, S. N. Harkusha, O. N. Metelitsa, E. A. Rudak</i></p>	<p><i>Sergei Harkusha</i> (Stepanov Institute of Physics, Minsk, Belarus)</p>	<p><i>andru@dragon.bas-net.by</i></p>
	<p>New color statistic for systematic of heavy-nuclei-division products <i>V.T.Maslyuk, O.O.Parlag, O. I. Lendel, T.I.Marynets</i></p>	<p><i>Volodymyr Maslyuk</i> (Institute of Electron Physics, Uzhgorod, Ukraine)</p>	<p><i>maslyuk@mail.uzhgorod.ua</i></p>

Programme:
Rare Nuclear Processes

(Room 46)

1 June, Thursday 14:30

Chairman Prof. Yu. Gaponov

14:30-14:50	1. Result on dark matter search of KIMS 2. Activities on double beta decay search experiments in Korea <i>Hong Joo Kim</i>	<i>Hong Joo Kim</i> (Kyungpook National University, Korea)	<i>hongjoo@mail.knu.ac.kr</i>
14:55-15:10	Little- and big bang: phase transitions in nuclear collisions and in the early Universe. Ultra high-energy neutrino-nuclei interactions <i>L.L. Jenkovszky</i>	<i>Laslo Jenkovszky</i> (Bogolyubov Institute for Theoretical Physics, Kyiv, Ukraine)	<i>jenk@bitp.kiev.ua</i> <i>crimea2005@bitp.kiev.ua</i>
15:15-15:30	Searches for rare processes by DAMA at Gran Sasso <i>F. Nozzoli</i>	<i>Francesco Nozzoli</i> (University "Tor Vergata", Roma, Italia)	<i>francesco.nozzoli@roma2.infn.it</i>
15:35-15:50	To a possibility of the $^{178m2}\text{Hf}$ isomer alpha-decay <i>S.A. Karamian, J.J. Carroll, S. Iliev, S.P. Tretyakova</i>	<i>Sarkis Karamian</i> (Joint Institute for Nuclear Research, Dubna, Russia)	<i>karamian@nrmil.jinr.ru</i>
15:55-16:10	Geantineutrino Spectrum and Slow Nuclear Burning on the Boundary of the Liquid and Solid Phases of the Earth's core <i>V.D. Rusov, V.N. Pavlovich, V.N. Vaschenko, V.A. Tarasov, T.N. Zelentsova, V.N. Bolshakov, D.A. Litvinov, S.I. Kosenko, O.A. Byegunova</i>	<i>Vitaliy Rusov</i> (Odessa National Polytechnic University, Odessa, Ukraine)	<i>siis@te.net.ua</i>
<i>Coffee Break (16:10 – 16:30)</i>			

16:30-16:45	1. Magic nuclei magnetodynamics in magnetar crusts 2. Creation and transmutations of ultramagnetized atomic nuclei <i>V.N. Kondratyev, I.M. Kadenko</i>	<i>Volodymyr Kondratyev</i> (Taras Shevchenko National University, Kyiv, Ukraine)	<i>Vkondra@univ.kiev.ua</i>
16:50-17:05	Anomalies in nuclear transitions <i>I.M. Vyshnevskiy, V.A. Zheltonozhsky, N.V. Strilchuk</i>	<i>Viktor Zheltonozhsky</i> (Institute for Nuclear Research, Kyiv, Ukraine)	<i>zhelton@kinr.kiev.ua</i>
17:10-17:25	GERDA: Neutrinoless double beta decay with ^{76}Ge <i>L. Niedermeier</i> for the GERDA collaboration	<i>Ludwig Niedermeier</i> (Tübingen University, Germany)	<i>ludwig.niedermeier@gmail.com</i>
17:30-17:45	New approach to description of Majorana properties of neutral particles <i>Gaponov Yu.V.</i>	<i>Yurii Gaponov</i> (RRC "Kurchatov institute", Moscow)	<i>gaponov2@imp.kiae.ru</i>
17:50-18:05	Contribution of the excited 1^+ states to the ^{116}Cd $2\nu 2\beta$-transition amplitude <i>S.V. Semenov, F. Šimkovic, R. Dvornicky</i>	<i>Sergei Semenov</i> (Kurchatov IAE, Moscow, Russia)	<i>Semenov@imp.kiae.ru</i>
18:10-18:25	Preliminary results on the search for ^{100}Mo 2β decay to the first excited 0^+_{1} level of ^{100}Ru <i>F. A. Danevich, V. V. Kobychev, B. N. Kropivnyansky, S. S. Nagorny, D. V. Poda, V. I. Tretyak, I. N. Vishnevsky, S. S. Yurchenko, R. Bernabei, P. Belli, S. D'Angelo, A. Incicchitti, D. Prospero, R. Cerulli, M. Laubenstein, P. G. Nagorny, R. S. Boiko</i>	<i>Volodymyr Tretyak</i> (Institute for Nuclear Research, Kyiv, Ukraine)	<i>tretyak@kinr.kiev.ua</i>

International Conference **NPAE-Kyiv2006**

1 June

Poster Session

(second floor near Conference Hall)

1 June, Thursday 9:00 – 19:00

- Rare Nuclear Processes:

<p>Decay of isomers stimulated by the laser radiation <i>A.Ya.Dzyublik, V.Méot, G.Gosselin</i></p>	<p><i>Alexandr Dzyublik</i> (Institute for Nuclear Research, Kyiv, Ukraine)</p>	<p><i>dzyublik@ukr.net</i></p>
<p>Nuclear excitation at the positron–atomic electron annihilation <i>S. N. Fedotkin, V. A. Zheltonozhskii</i></p>	<p><i>Sergiy Fedotkin</i> (Institute for Nuclear Research, Kyiv, Ukraine)</p>	<p><i>sfedot@kinr.kiev.ua</i></p>
<p>Search for double electron capture of ¹⁰⁶Cd in TVG experiment <i>V. B. Brudanin, N. I. Rukhadze, V. G. Egorov, Ch. Briancon, P. Beneš, P. Čermák, K. N. Gusev, F. A. Danevich, A. A. Klimenko, V. E. Kovalenko, A. Kovalik, A. V. Salamatin, I. Štekl, V. V. Timkin, V. I. Tretyak, Ts. Vylov, V. V. Kobychhev</i></p>	<p><i>Vladislav Kobychhev</i> (Institute for Nuclear Research, Kyiv, Ukraine)</p>	<p><i>kobychhev@kinr.kiev.ua</i></p>
<p>Production of the Hf isomers in reactor irradiations <i>S.A. Karamian, J.J. Carroll, J. Adam, E.N. Kulagin, E.P. Shabalin</i></p>	<p><i>Sarkis Karamian</i> (Joint Institute for Nuclear Research, Dubna, Russia)</p>	<p><i>karamian@nrmail.jinr.ru</i></p>
<p>On analysis of particle tunneling through three-dimensional and many one-dimensional barriers <i>J.Jakiel, W.Kantor, V.S.Olkhovsky, V.Petrillo</i></p>	<p><i>Vladislav Olkhovsky</i> (Institute for Nuclear Research, Kyiv, Ukraine)</p>	<p><i>olkhovsk@kinr.kiev.ua</i></p>

Programme: **Relativistic Nuclear Physics**

Conference Hall

2 June, Friday 14:30*Chairman Prof. L.L.Jenkovskii*

14:30-14:50	Search for time-reversal violation in kaon decays <i>P. Depommier, for the KEK-E246 Collaboration</i>	<i>Pierre Depommier</i> (University Montreal, Canada)	<i>Pom@lps.umontreal.ca</i>
14:55-15:10	Beyond the standard model <i>Yu. M. Malyuta</i>	<i>Yurii Malyuta</i> (Institute for Nuclear Research, Kyiv, Ukraine)	<i>Malyuta@mail.vtv.kiev.ua</i>
15:15-15:30	Meson-two-nucleon clothed generators of the Poincaré group derived from quantum field theory: mass and vertex renormalization <i>V.Yu.Korda, P.A.Frolov</i>	<i>Pavlo Frolov</i> (Institute of Electrophysics and Radiation Technologies, Kharkiv, Ukraine)	<i>frolovpa@mail.ru</i>
15:35-15:50	Silicon tracker for the LHCb experiment <i>Y.Pylypchenko, V.Pugatch for the LHCb Silicon Tracker group</i>	<i>Yurii Pylypchenko</i> (Institute for Nuclear Research, Kyiv, Ukraine)	<i>yupy@kinr.kiev.ua</i>
15:55-16:10	Search for multiquark states at BELLE <i>R. Mizuk</i>	<i>Roman Mizuk</i> (ITEP, Moscow, Russia)	<i>mizuk@itep.ru</i>

*Coffee Break (16:10 – 16:30)**Chairman Prof. V.Pugatch*

16:30-16:50	Open charm measurement in AU+AU collisions at 25 AGeV in the CBM experiment	<i>Iouri Vassiliev</i> (GSi)	<i>I.Vassiliev@gsi.de</i>
-------------	--	---------------------------------	---------------------------

	<i>I. Vassiliev</i>		
16:55-17:10	On the inclusive pion production in deep inelastic scattering <i>V.V. Uleshchenko, A. Szczurek</i>	<i>Volodymyr Uleshchenko</i> (Institute for Nuclear Research, Kyiv, Ukraine)	<i>vuleshch@kinr.kiev.ua</i>
17:15-17:30	Application of the unitary clothing transformation method to the charge renormalization problem in quantum field theory <i>V.Yu.Korda, I.V.Eletsikh</i>	<i>Ivan Eletsikh</i> (Institute of Electrophysics and Radiation Technologies, Kharkiv, Ukraine)	<i>Ivaneleckih@yandex.ru</i>
17:35-17:50	KK-modes of D=5 supergravity at future colliders and in cosmic rays <i>T. V. Obikhod</i>	<i>Tatyana Obikhod</i> (Institute for Nuclear Research, Kyiv, Ukraine)	<i>Malyuta@mail.vtv.kiev.ua</i>

International Conference **NPAE-Kyiv2006**

1 June

Poster Session

(second floor near Conference Hall)

1 June, Thursday 9:00 – 19:00

- Relativistic Nuclear Physics:

HERA-B – multi-target experiment at the 920 GEV Proton Storage Ring <i>V. M. Pugatch</i>	<i>Valeriy Pugatch</i> (Institute for Nuclear Research, Kyiv, Ukraine)	<i>Pugatch@kinr.kiev.ua</i>
On the theory of quasielastic lepton-hadron scattering: advance at intermediate energy and problem massless or massive gluons <i>Ya. D. Krivenko-Emetov</i>	<i>Yaroslav Krivenko-Emetov</i> (Institute for Nuclear Research, Kyiv, Ukraine)	<i>krivemet@ukr.net</i>
Electron-deuteron elastic scattering beyond one photon exchange	<i>Alexandr Kobushkin</i>	<i>kobushkin@bitp.kiev.ua</i>

<i>A.P. Kobushkin and Ya.D. Krivenko-Emetov</i>	(Bogolyubov Institute for Theoretical Physics, Kyiv, Ukraine)	
Low-mass $\pi\pi$ enhancement in double pionic fusion processes: abc effect revised by exclusive measurements <i>O. Khakimova, M. Bashkanov, H. Clement, F. Kren, T. Skorodko, G.J. Wagner¹ for the CELSIUS-WASA collaboration</i>	<i>Olena Khakimova</i> (University Tübingen, Germany)	<i>khakimov@pit.physik.uni-tuebingen.de</i>

Programme: **Neutron Physics**

(Room 46)

31 May, Wednesday 14:30Chairman *Prof. M. Adib*

14:30-14:55	Neutron-proton Scattering and Quantum Entanglement <i>R. Moreh, R. C. Block, Y. Danon, and M. Neuman</i>	<i>Raymond Moreh</i> (Ben-Gurion University of the Negev, Israel)	<i>moreh@bgumail.bgu.ac.il</i>
15:00-15:15	Thermal Neutron Converter for Irradiations with Fission Neutrons <i>F. M. Wagner, Th. Bücherl, S. Kampfer, A. Kastenmüller</i>	<i>Franz Wagner</i> (TUM, Garching, Germany)	<i>Franz-Michael.Wagner@frm2.tum.de</i>
15:20-15:35	Investigation of the Scattering Cross Sections of Neutrons on Carbon Nuclei at The Reactor Filtered Beams <i>O.O. Gritzay, M.L. Gnidak, O.I. Korol, V.F. Razbudey, V.M. Venedyktov</i>	<i>Olena Gritzay</i> (Institute for Nuclear Research, Kyiv, Ukraine)	<i>ogritzay@kinr.kiev.ua</i>
15:40-15:55	On the Use of Single-Crystal Materials as Thermal Neutron Filters <i>M.Adib</i>	<i>Mamdouh Adib</i> (Nuclear Research Center AEAE, Cairo Egypt)	<i>adibmamdouh@yahoo.com</i>

*Coffee Break (16:00 – 16:30)*Chairman *Dr. O. Gritzay*

16:30-16:45	Peculiarities of ²³⁸U fission by neutrons with energies up to 200 MeV.	<i>Yurii Kibkalo</i> (Institute for Nuclear Research, Kyiv,	<i>KIbkalo@kinr.kiev.ua</i>
-------------	--	--	-----------------------------

	<i>Yu.V.Kibkalo</i>	Ukraine)	
16:50-17:05	Cross Section Measurement of the $^{181}\text{Ta}(n,g)^{182}\text{Ta}$ Reaction at the Neutron Energy 2 keV <i>O.O. Gritzay, V.A. Libman, A.V. Chyzh</i>	<i>Vladimir Libman</i> (Institute for Nuclear Research, Kyiv, Ukraine)	<i>vlibman@kinr.kiev.ua</i>
17:10-17:25	Cross-Section Calculations for $^{181}\text{Ta}(n, g)^{182m2}\text{Ta}$ and $^{181}\text{Ta}(n, g)^{182(g+m1+ m2)}\text{Ta}$ Reactions in Energy Range 0.002-15 MeV within Empire II Code <i>R.V. Yermolenko, I.M. Kadenko, V.A. Plujko</i>	<i>R.V. Yermolenko</i> (Taras Shevchenko National University, Kyiv, Ukraine)	<i>ndef@uninet.kiev.ua</i>
17:30-17:45	Estimation of boron in some local materials by prompt gamma-ray neutron activation analysis technique <i>A.Hassan</i>	(NRC. Cairo, Egypt)	<i>abdelmonem_hassan@yahoo.com</i>
17:50-18:05	Study of the Neutron Inelastic Acceleration on the ^{177}Lu isomer <i>Gilbert Belier</i>	<i>Gilbert Belier</i> (Commissariat à l'Energie Atomique, France)	<i>gilbert.belier@cea.fr</i>
18:10-18:25	Filter of Quasi-Monochromatic Neutrons with Average Energy 7.5 keV on the Basis of Natural Copper <i>O.O. Gritzay, P.M. Vorona, O.I. Kalchenko, N.A. Klimova, V.V. Koloty, V.A.Libman</i>	<i>Nataliya Klimova</i> (Institute for Nuclear Research, Kyiv, Ukraine)	<i>NKlimova@kinr.liev.ua</i>

International Conference *NPAE-Kyiv2006*

31 May

Poster Session

(second floor near Conference Hall)

31 May, Wednesday 9:00 – 19:00

- Neutron Physics:

The Mechanism Of Fast Neutron Scattering By Odd-Mass Nuclei	<i>Mykola Sklyar</i>	<i>sklyar@kinr.kiev.ua</i>
--	----------------------	----------------------------

<i>I.O. Korzh, M.T. Sklyar</i>	(Institute for Nuclear Research, Kyiv, Ukraine)	
Cross sections of (n, p) reaction on zirconium isotopes <i>N.R. Dzysiuk, S.V. Begun, I.M. Kadenko, G.I. Primenko, V.K. Maidanyuk</i>	<i>Nataliya Dzysiuk</i> (Taras Shevchenko National University, Kyiv, Ukraine)	<i>dzysiuk@univ.kiev.ua</i>
Average Resonance Parameters For Even-Even Isotopes Of Cadmium And Tin <i>Korzh I. O., Pravdivyi M. M., Sklyar M. T.</i>	<i>Mykola Pravdivyi</i> (Institute for Nuclear Research, Kyiv, Ukraine)	<i>sklyar@kinr.kiev.ua</i>
Experimental Installations for Investigation of the Angle Distribution of Scattering Neutrons <i>O.O. Gritzay, V.M. Archipov, V.M. Venedyktov, A.I. Kyslitskyi, N.A. Klimova, V.V. Koloty, V.A. Libman, V.A. Pshenychnyi</i>	<i>Volodymyr Koloty</i> (Institute for Nuclear Research, Kyiv, Ukraine)	<i>ogritzay@kinr.kiev.ua</i>

Programme:
**Physics of nuclear reactors,
 problems of atomic energy and reactors of the future**

(Room 32)

30 May, Tuesday 14:30

Chairman Prof. V. Pavlovych

14:30-14:55	Backgrounds, peculiarities and possibilities of nuclear energy development in Ukraine <i>Domashov E.D.</i> Usage of conversion ship nuclear reactors with underground location to combine production of heat and electricity is the future of heat supply in Ukraine. <i>Domashov E.D., Domashov V.E., Kolesnichenko Yu.M.</i>	<i>Evgenii Domashev</i> (ITTF, Kyiv)	e_domash@i.com.ua
15:00-15:20	Analysis of information resources on prospective electronuclear systems <i>V. F. Klepikov, V. Yu. Korda, A. G. Shepelev, A. S. Molev, L. P. Korda, O. V. Nemashkalo, T. A. Ponomarenko and L. D. Yurchenko</i>	<i>Vyacheslav Klepikov</i> (Institute of Electrophysics and Radiation Technologies, Kharkov, Ukraine)	ie@kipt.kharkov.ua
15:25-15:45	Safe fast reactor working in nuclear burning wave regime <i>S.P. Fomin, Yu.P. Mel'nik, V.V. Pilipenko and N.F. Shul'ga</i>	<i>Serguei Fomin</i> (NSC "Kharkiv Institute of Physics and Technology", Kharkiv, Ukraine)	sfomin@kipt.kharkov.ua
15:50-16:05	Superconducting driver for sub-critical assembly <i>M.I. Bratchenko, V.V. Gann, I.S. Guk, A.N. Dovbnaya, S.V. Dyuldya, S.G. Kononenko, F.A. Peev, A.S. Tarasenko, M. van der Wiel, J.I.M. Botman</i>	<i>Anatolii Dovbnaya</i> (NSC "Kharkiv Institute of Physics and Technology", Kharkiv, Ukraine)	guk@kipt.kharkov.ua

Coffee Break (16:10 – 16:30)

Programme:
Physics of nuclear reactors, problems of atomic energy and reactors of the future

(Room 32)

31 May, Wednesday 14:30

Chairman Prof. V. Azhazha

14:30-14:45	The ecological safety of Ukrainian NPPs: problems and ways of their salvation <i>S.V. Barbashev</i>	<i>Sergei Barbashev</i> (State Scientific Engineering Center of Control Systems and Emergency Response, Odessa, Ukraine)	<i>ukrms@te.net.ua</i>
14:50-15:05	Soft- and hardware complex of automatic setting, control, manipulation and protection <i>A.Siora, V.I.Tokarev, S.V. Reshetnitskii</i>	<i>Sergei Reshetnitskii</i> (Closed Joint-Stock Company "Radium", Kirovograd, Ukraine)	<i>email-zaoradiy@email.ru</i>
15:10-15:25	The construction material for liquid soil reactor problems <i>V.M. Azhazha, A.S. Bakai, I.M.Nekludov</i>	<i>Alexandr Bakai</i> (NSC "Kharkiv Institute of Physics and Technology", Kharkiv, Ukraine)	<i>bakai@kipt.kharkov.ua</i>
15:30-15:45	3-d modeling of kinetics of quick reactor of I. P. Feoktistov <i>V. D. Rusov, V. A. Tarasov, S. I. Kosenko, V. N. Bolshakov</i>	<i>Vladimir Bolshakov</i> (Odessa National Polytechnic University, Odessa, Ukraine)	<i>vladimir.bolshakov@gmail.com</i>
15:50-16:05	Application of spectrometric complexes at NNPs <i>V.V.Babenko A.S. Kazimirov, N.N. Kleschevnikov, R.D. Stolyarenko, A.G.Isaev, L.B.Martynyuk</i>	<i>Alexandr Kazimirov</i> (LTD ATOMKOMPLEXPYRLAD", Kyiv, Ukraine)	<i>kas@akpn.kiev.ua</i>

Coffee Break (16:10 – 16:30)

16:30-16:45	Alloy Zr1Nb for atomic energy <i>V.M.Azhazha, I.N.Butenko, B.V.Borts, V.S.Vakhrusheva, P.N. Vyugov, N.P. Vyugov, K.A. Lindt, I.M. Nekludov, I.A. Petelgusov, V.I. Savchenko</i>	<i>Vladimir Azhazha</i> (NSC “Kharkiv Institute of Physics and Technology”, Kharkiv, Ukraine)	<i>azhazha@kipt.kharkov.ua</i>
16:50-17:05	The autocatalytic mechanisms of the kinetic system for defects of nonlinear physical system “metal+loading+irradiation” <i>V.A. Tarasov, T.P. Borikov, T.V. Kryzhanovskaja, V.D.Rusov</i>	<i>Viktor Tarasov</i> (Odessa National Polytechnic University, Odessa, Ukraine)	<i>vтарasov@ukr.net</i>
17:10-17:25	Application of RELAP5-3D code in support of safety analysis for Ukrainian NPP units <i>O.M. Shkarupa, I.M. Kadenko</i>	<i>Igor Kadenko</i> (Taras Shevchenko National University, Kyiv, Ukraine)	<i>ndef@uninet.kiev.ua</i>
17:30-17:45	The investigation of nuclear energy element state by the spekl golography method <i>A.V Goncharov, A.V Mazilov, N.S. Poddubko, A.G. Tolstolutskaa</i>	<i>Alexandr Tolstolutskaa</i> (NSC “Kharkiv Institute of Physics and Technology”, Kharkiv, Ukraine)	<i>tolstolutskaa@kipt.kharkov.ua</i>
17:50-18:05	Monitoring of WWER-1000 pressure vessel radiation exposure at Ukrainian NPPS <i>V.N.Bukanov, E.G.Vasylieva, I.M.Vishnevskyy, O.V.Grytsenko, V.L.Dyemokhin, S.M.Pugatch</i>	<i>Vladimir Bukanov</i> (Kiev Institute for Nuclear Research, Ukraine, Kyiv)	<i>VBukanov@kinr.kiev.ua</i>
18:10-18:25	The influence of the electron irradiation and fluorine soil melt to the properties of hastalloys <i>V.M. Azhazha, A.S. Bakay, Yu.P. Bobrov, A.N. Dovbnia, S.D. Lavrinenko, N.N. Pilipenko, I.A. Petelguzov, V.I.Savchenko</i>	<i>N. Pilipenko</i> (NSC “Kharkiv Institute of Physics and Technology”, Kharkiv, Ukraine)	<i>azhazha@kipt.kharkov.ua</i>
18:30-18:45	Evaluation of the WWER-1000 vessel materials fracture toughness <i>E.U. Grynik, V.N. Revka, L.I.Chyrko, Yu.V. Chaikovskiy</i>	<i>V.N. Revka</i> (Kiev Institute for Nuclear Research, Ukraine, Kyiv)	<i>grynik@kinr.kiev.ua</i>

31 May, Wednesday 9:00 – 19:00

- Physics of nuclear reactors, problems of atomic energy and reactors of the future:

Slow nuclear fission wave reactor <i>V.M.Pavlovich, V.D.Rusov, V.M.Khotyayintsev, O.M.Khotyayintseva</i>	<i>Volodymyr Pavlovich</i> (Kiev Institute for Nuclear Research, Ukraine, Kyiv)	<i>pavlovich@kinr.kiev.ua</i>
Stochastic modeling of neutron processes in nuclear reactor and influence of temperature feedbacks on possibilities of emergency development <i>V. V. Ryazanov, S.G. Shpyrko</i>	<i>Vasyl Ryazanov</i> (Kiev Institute for Nuclear Research, Ukraine, Kyiv)	<i>vryazan@kinr.kiev.ua</i>
Subcritical reactor core optimization <i>V.A.Babenko, V.I.Gulik, L.L.Jenkovskii, V.M.Pavlovych, E.A.Pupirina</i>	<i>Volodymyr Pavlovych</i> (Kiev Institute for Nuclear Research, Ukraine, Kyiv)	<i>pavlovich@kinr.kiev.ua</i>
Fast neutron source based on uranium subcritical assembly driven by LINAC <i>S.P. Fomin, Yu.P. Mel'nik, V.V. Pilipenko, N.F. Shul'ga</i>	<i>Serguei Fomin</i> (NSC "Kharkiv Institute of Physics and Technology", Kharkiv, Ukraine)	<i>sfomin@kipt.kharkov.ua</i>
Cask size and weight reduction through the use of depleted uranium dioxide – concrete material S.Y. Lobach and J.M. Haire	<i>Sergei Lobach</i> (Oregon State University, USA)	<i>lobachs@engr.orst.edu</i>
Investigations of transient caused by inadvertent opening and failure to close of pressurized power-operated relief valve in WWER-1000 reactor <i>Malanich A.</i>	<i>Andrii Malanich</i> (Taras Shevchenko National University, Kyiv, Ukraine)	<i>map@univ.kiev.ua</i>
Analysis of "main steam line break of WWER-440 reactor" design based accident using RELAP5-3D code <i>A. Kovtonyuk</i>	<i>Andrii Kovtonyuk</i> (Taras Shevchenko National University, Kyiv, Ukraine)	<i>kovap@univ.kiev.ua</i>
The autocatalytic mechanisms of the kinetic system for defects of nonlinear physical system "metal+loading+irradiation" <i>V.A. Tarasov, T.P. Borikov, T.V. Kryzhanovskaja, V.D.Rusov</i>	<i>Viktor Tarasov</i> (Odessa National Polytechnic University, Odessa, Ukraine)	<i>vtarasov@ukr.net</i>

<p>Lower Leakage Fuel Loading Usage for Reactor Pressure Vessel Radiation Exposure Decreasing <i>V. L. Dyemokhin, A. A. Korinny, V. N. Bukanov</i></p>	<p><i>Vladyslav Dyemokhin</i> (Kiev Institute for Nuclear Research, Ukraine, Kyiv)</p>	<p><i>vdyemokhin@kinr.kiev.ua</i></p>
<p>Dosimetry of surveillance specimens, irradiated at WWER-1000 reactor <i>O. V. Grytsenko, V. N. Bukanov, V. L. Dyemokhin, O. G. Vasylyeva, Y. P. Mahlers</i></p>	<p><i>Olexandr Grytsenko</i> (Kiev Institute for Nuclear Research, Ukraine, Kyiv)</p>	<p><i>agrytsen@kinr.kiev.ua</i></p>
<p>Design of methodical basis of a system monitoring of WWER-440 pressure vessel radiation exposure <i>A. M. Pugach, V. N. Bukanov, E. G. Vasylyeva, O. V. Grytsenko, V. L. Dyemokhin, S. M. Pugach</i></p>	<p><i>Alexandr Pugach</i> (Kiev Institute for Nuclear Research, Ukraine, Kyiv)</p>	<p><i>vdyemokhin@kinr.kiev.ua</i></p>
<p>Determination of irradiation conditions of WWER-1000 reactor internals <i>S. M. Pugach, V. N. Bukanov, O. V. Grytsenko, V. L. Dyemokhin</i></p>	<p><i>Sergii Pugach</i> (Kiev Institute for Nuclear Research, Kyiv, Ukraine)</p>	<p><i>spugach@kinr.kiev.ua</i></p>
<p>The Measurements of Deep Subcriticality by Neutron Noise Method <i>V.M.Pavlovych, S.A.Storozhenko, S.V.Yaroshenko, O.A.Kuchmagra, E.E.Olijnik, V.B.Shostak</i></p>	<p><i>Volodymyr Pavlovych</i> (Kiev Institute for Nuclear Research, Kyiv, Ukraine)</p>	<p><i>pavlovich@kinr.kiev.ua</i></p>
<p>The analysis of the SG collector cover breakaway accident with full loss of power supply of NPP unit with VVER-1000 <i>V. M. Zenov</i></p>	<p><i>Valerii Zenov</i> (Sevastopol National university of Nuclear energy and industry, Sevastopol, Ukraine)</p>	<p><i>vmzenov@rambler.ru</i> <i>vmzenov@souz.sebastopol.ua</i></p>
<p>Hardware-in-the-loop complexes for measurement of ionizing radiation. <i>V.V.Babenko A.S. Kazimirov, G.F. Kazimirova, L.B.Martynyuk</i></p>	<p><i>Galina Kazimirova</i> (LTD ATOMKOMPLEXPRLAD”, Kyiv, Ukraine)</p>	<p><i>galina@akpn.kiev.ua</i></p>
<p>Spent Nuclear Fuel Dry Storage of the Zaporizhya Nuclear Power Plant. Safety Assurance. <i>A.E.Luchna, A.I.Lavrenchuk, V.A.Sednev, V.M.Vasilchenko, O.M.Dvoeglazov, V.I.Medvedev, Yu.M.Pechera</i></p>	<p><i>Vladimir Medvedev</i> (State Scientific and Technical Center for Nuclear and Radiation Safety, Kyiv, Ukraine)</p>	<p><i>vi_medvedev@sstc.kiev.ua</i></p>
<p>Development of Nuclear Energy in Ukraine. Needs, Shortages and Advantages <i>L.Litvinsky, O.Purtov</i></p>	<p><i>Ljudwig Litvinsky</i> (State Scientific Engineering Center of Control Systems and Emergency Response, Kiev, Ukraine)</p>	<p><i>dnic@dnic.kiev.ua</i></p>

Programme:

Applied nuclear physics and technique of experiments

(Room 46)

30 May, Tuesday 14:30*Chairman Prof. V.Pugatch*

14:30-14:50	The microanalytical facility on the base of the compact electrostatic accelerator of IAP NASU <i>V.E. Storizhko, A.A. Drozdenko, V.I. Miroshnichenko, A.G.Ponomarev</i>	<i>Volodymyr Storizhko</i> (Institute of Applied Physics, Sumy, Ukraine)	<i>director@jpfcentr.sumy.ua</i> <i>ponom@jpfcentr.sumy.ua</i>
14:55-15:15	USING OF ION BEAM ANALYSIS FOR RESEARCH OF NUCLEAR POWER MATERIALS AND ECOLOGICAL OBJECTS <i>V.M.Azhazha, O.V.Goncharov, V.V.Levenets, V.M.Pistrjak, A.O.Shchur</i>	<i>V.V.Levenets</i> (NSC “Kharkiv Institute of Physics and Technology”, Kharkiv, Ukraine)	<i>levenets@kipt.kharkov.ua</i>
15:20-15:40	FAST NEUTRON SPECTROMETER ON BASE SURFACE-BARRIER Si(Au)-DETECTOR <i>V.P. Bozhko, A.N. Vodin, S.N. Olejnik</i>	<i>S.N. Olejnik</i> (NSC “Kharkiv Institute of Physics and Technology”, Kharkiv, Ukraine)	<i>olejniksn@kipt.kharkov.ua</i>
15:45-16:05	PLANT FOR RESEARCH IN NUCLEAR PHYSICS AND APPLIED WORK CARRYING-OUT IN THE FIELD OF NUCLEAR POWER ENGINEERING <i>A.Yu. Buki, V.I. Kasilov, S.S. Kochetov, K.S. Kokhnyuk, S.A. Kalenik, L.A. Makhnenko, V.I. Noga, V.M. Khvastunov, A.A. Khomich, I.N. Shapoval, N.G. Shevchenko</i>	<i>V.I. Kasilov</i> (NSC “Kharkiv Institute of Physics and Technology”, Kharkiv, Ukraine)	<i>levenets@kipt.kharkov.ua</i>

Coffee Break (16:05 – 16:30)

Chairman *Prof. V.Pugatch*

16:30-16:50	Silicon detectors for high energy physics and nuclear physics <i>V.L. Perevertaylo</i>	(Institute for single crystals, Kyiv)	detector@carrier.kiev.ua
-------------	--	---------------------------------------	--

2 June

International Conference *NPAE-Kyiv2006*

Programme:
Applied nuclear physics and technique of experiments

(Room 46)

2 June, Friday 14:30

Chairman *Dr. V.Ostashko*

14:30-14:45	Fundamental physics on Kharkov superconducting electron accelerator on energy up to 730 MeV (project "SALO") <i>V.B. Ganenko, A.Yu. Korchin, V.V. Kotljarskiy</i>	<i>Volodymyr Ganenko</i> (NSC "Kharkiv Institute of Physics and Technology", Kharkiv, Ukraine)	ganenko@kipt.kharkov.ua
14:50-15:05	Recirculator «SALO» project-facility for fundamental and applied research in nuclear physics and atomic energy <i>I.S. Guk, A.N. Dovbnya, S.G. Kononenko, F.A. Peev, A.S. Tarasenko, M. van der Wiel, J.I.M. Botman</i>	<i>Ivan Guk</i> (NSC "Kharkiv Institute of Physics and Technology", Kharkiv, Ukraine)	guk@kipt.kharkov.ua
15:10-15:25	Fast spectrometer for analysis of concentration profiles of the hydrogen isotopes in materials <i>S.V. Artemov, Ya.S. Abdullaeva, A.A. Karakhodzhaev, G.A. Radyuk, V.P. Yakushev, I.L. Zaitsevsky, B.V. Kozgushko, S.V. Shevchenko, L.S. Saltykov, L.I. Slusarenko</i>	<i>Sergiy Shevchenko</i> (Institute of Physics, Kyiv, Ukraine)	shevch@iop.kiev.ua
15:30-15:45	The optimized probe forming system for the Kiev	<i>Sergiy Lebed</i>	salmp1@ukr.net

	nuclear microprobe <i>L. A. Lebed, S. A. Lebed, T.P. Lubianoj, N.G. Tolmachov and I. N. Vishnevsk</i>	(Institute for Nuclear Research, Kyiv, Ukraine)	
15:50-16:05	Composition scintillation elements on basic of small-grained n-terphenyl <i>A.S. Raevskiy, L.A. Andryushchenko, L.S. Gordienko, B.V. Grinyov, V.A. Tarasov</i>	<i>Andriy Raevskiy</i> (Institute for Scintillation materials, Kharkov)	raevskiy@isma.kharkov.ua
<i>Coffee Break (16:05 – 16:30)</i>			

Chairman **Dr. V.Ostashko**

16:30-16:45	Radiation monitoring system of the interaction point of the LHCb experiment <i>O. Yu. Ohrimenko, V. O. Kyva, O. S. Kovalchuk, O. V. Mikhailenko, V. M. Militsija, Yu. V. Pylypchenko, V.M. Pugatch</i>	<i>Oleksandr Ohrimenko</i> (Institute for Nuclear Research, Kyiv, Ukraine)	oxp@kinr.kiev.ua
16:50-17:05	Micro-strip metal detectors for profiling of synchrotron radiation beam <i>O.V. Michailenko, V.M. Pugatch, Yu. V. Pyypchenko, O.A. Fedorovych, V.L. Perevertaylo, F. K. Wittenbyrg</i>	<i>Oleksandr Michailenko</i> (Institute for Nuclear Research, Kyiv, Ukraine)	acelex@kinr.kiev.ua

International Conference **NPAE-Kyiv2006**

31 May

Poster Session

(second floor near Conference Hall)

31 May, Wednesday 9:00 – 19:00

- Applied nuclear physics and technique of experiments:

	STAND FOR TESTING NEUTRON SCINTILLATION DETECTORS <i>M.V.Mordovskoy</i>	<i>Michail Mordovskoy</i> (INR, Moskow,	mvmordovsk@mail.ru
--	---	--	--

		Russia)	
	ВИЗНАЧЕННЯ ВИХОДІВ УЛАМКІВ ПОДІЛУ З ВИКОРИСТАННЯМ ПРОЦЕСУ СОБЦІЇ <i>Г. В. Васильєва, В. С. Куць, В. А. Пилипченко, А. П. Осипенко</i>	В. А. Пилипченко (IEP, Uzhgorod)	nphys@univ.uzhgorod.ua
	Modification of the Wind's method for the determination of the particle momentum in the magnetic spectrometer <i>A.M. Sokolov</i>	A.M. Sokolov (Institute for Nuclear Research, Kyiv, Ukraine)	sokolov@kinr.kiev.ua
	System of automation of measurements of angular dispersion of neutrons <i>Mazny I., Kovalev A., Berezin F, Voyter A, , Grashilin V., O.Gritzay, Doronin M., Kisurin V., Kopachev V.</i>	Voyter A. (Institute for Nuclear Research, Kyiv, Ukraine)	voiter@kinr.kiev.ua
	System of registration of multipleparameter streams <i>Berezin F, Voyter A, Grashilin V., Kisurin V., Kovalev A., Mazny I.</i>	Grashilin V. (Institute for Nuclear Research, Kyiv, Ukraine)	vgroch@kinr.kiev.ua
	Possibilities of the U-120 cyclotron for radiopharmaceutical manufacturing <i>A.E.Borzakovsky, O.Yu.Goryunov, V.I.Kutz, V.A.Riloshko, A.A.Shvedov</i>	A.E.Borzakovsky (Institute for Nuclear Research, Kyiv, Ukraine)	ogor@kinr.kiev.ua
	Extension of abilities of the 4π-gamma spectrometers "PRYPYAT" <i>S.K. Andrukhovich, A. V. Berestov, S.N. Harkusha, E. A. Rudak, A.M. Khilmanovich, A. S. Uzunbadjakov, F.E. Zyazyulya, N. Antovich</i>	S. K. Andrukhovitch (IP, Minsk, Belarus)	s.harkusha@tut.by andru@dragon.bas-net.by
	Temperature stability of the microstrip metal detectors <i>A.O. Limanets, O.S. Kovalchuk, O.V. Michailenko, Yu. V. Pyypchenko, V.M. Pugatch</i>	A.O. Limanets (Institute for Nuclear Research, Kyiv, Ukraine)	limanets@mail.ru
	Determination of the energy of atomic nuclei excited states by means of "basic" transitions <i>A.P. Lashko, T.N. Lashko</i>	A.P. Lashko (Institute for Nuclear Research, Kyiv, Ukraine)	lashkoa@kinr.kiev.ua
	Analysis of errors for the gamma-rays energy measurements by means of semiconductor spectrometers	A.P. Lashko (Institute for Nuclear Research, Kyiv,	lashkoa@kinr.kiev.ua

	<i>A.P. Lashko, T.N. Lashko</i>	Ukraine)	
	Applying gamma-irradiation of the ²³⁵U fission products for the calibration of Ge-detectors <i>O.O. Parlag</i>	<i>O.O. Parlag</i> (IEP, Uzhgorod)	<i>Parlag@mail.uzhgorod.ua</i>
	High sensitivity charge integrator for the metal foil detector readout system <i>O.S.Kovalchuk, Pugatch, V.M. Pugatch, V.O. Kyva</i>	<i>O.S.Kovalchuk</i> (Institute for Nuclear Research, Kyiv, Ukraine)	<i>lexkov@kinr.kiev.ua</i>
	MULTI-LAYER METAL-FOIL DETECTOR FOR THE MONITORING OF THE PARTICLES INTEGRATED FLUXES AT THE LHCb EXPERIMENT <i>V.M. Yakovenko, V.M. Pugatch</i>	<i>V.M. Yakovenko</i> (Institute for Nuclear Research, Kyiv, Ukraine)	<i>vyakovenko@kinr.kiev.ua</i>
	LARGE AREA METAL FOIL DETECTOR FOR THE DETECTION OF COSMIC RAYS <i>V. M. Militsija, O.S. Kovalchuk, V.M. Pugatch</i>	<i>V. M. Militsija</i> (Institute for Nuclear Research, Kyiv, Ukraine)	<i>f_i_z_i_k@kinr.kiev.ua</i>
	Study of long-term stability for YIG films under irradiation by neutrons, protons and electrons <i>V. I. Kirischuk, V. A. Ageev, L. V. Sadovnikov, N. V. Strilchuk and V. A. Zheltonozhsky, Yu. V. Koblyanskiy, G. A. Melkov and O. I. Puzik</i>	<i>V. I. Kirischuk</i> (Institute for Nuclear Research, Kyiv, Ukraine)	<i>kirisch@mpca.kiev.ua</i>
	Plant for radiation testsng of equipments of NPPs. <i>I.M.Vishnevskii, V.I.Sakhno, O.V.Sakhno, S.P.Tomchay T.V. Hrin, J.G. Ztlinskii</i>	<i>S.P.Tomchay</i> (Institute for Nuclear Research, Kyiv, Ukraine)	<i>Tomchay@kinr.kiev.ua</i>