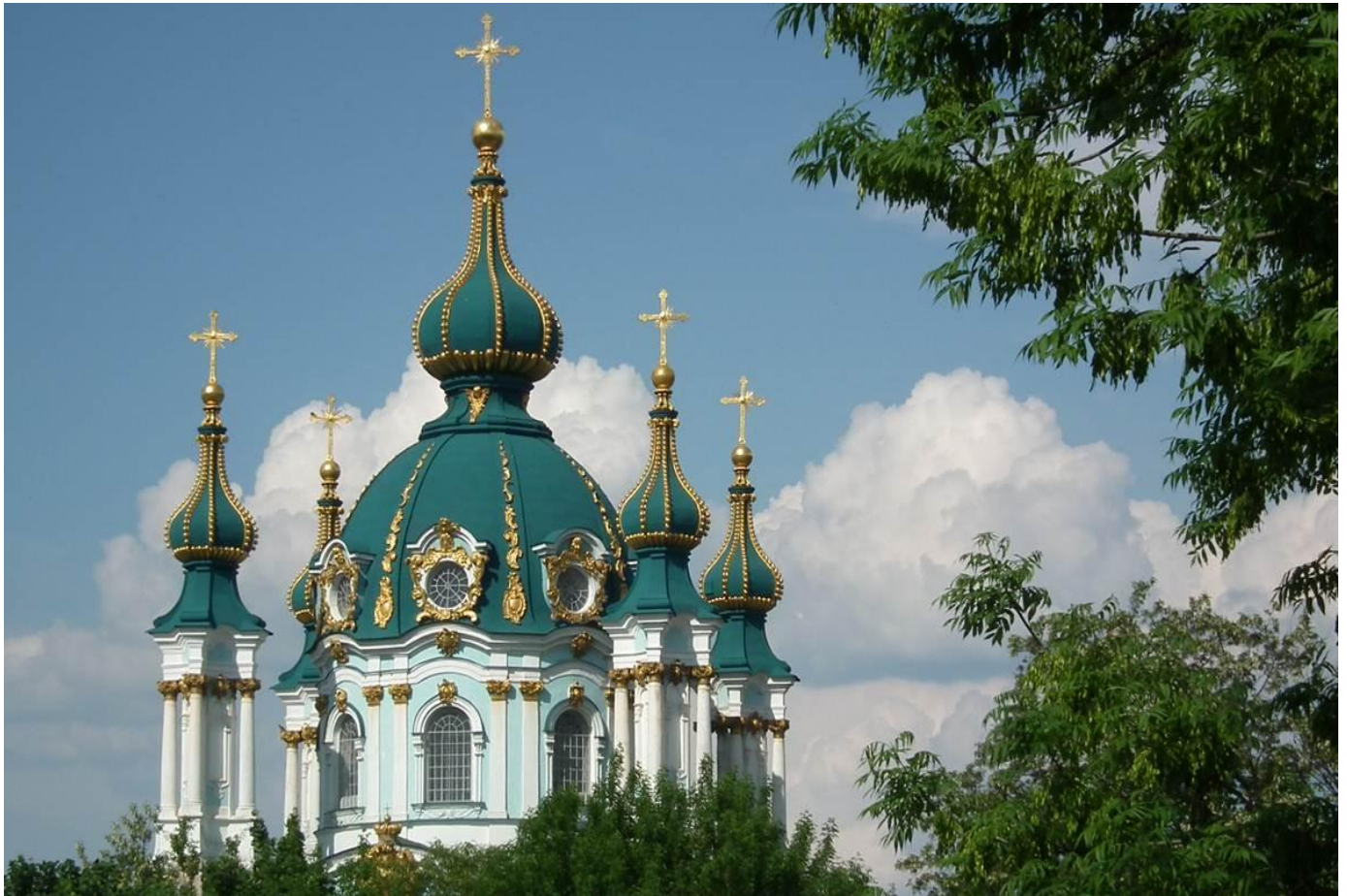


The 4-th International Conference
**Current Problems in Nuclear
Physics and Atomic Energy**
(*NPAAE-Kyiv2012*)



Conference Program

Kyiv, Ukraine
September 3 - 7, 2012

Welcome

We would like to welcome you to the 4-th International Conference on Current Problems in Nuclear Physics and Atomic Energy (NPAE-Kyiv2012), which will be held during September 3-7, 2012 in Kyiv, Ukraine.

This book contains the conference program. All changes in the program will be announced by means of the posting board located in foyer.

All oral and poster sections will be held at the Institute of Postgraduate Education (IPE), Taras Shevchenko National University of Kyiv, located in Vasylykivska str., 36. The opening and plenary sessions will take place in the Hall.

There will be the two poster sections on Tuesday, September 4, and Thursday, September 6, correspondingly.

The conference dinner will be held at "Sankt-Petersburg" restaurant, located at the address: bulvar Tarasa Shevchenka, 4 (near Bessarabska square, nearest metro station "L'va Tolstogo").

The closing ceremony of the NPAE-2012 conference will take place in the Hall on Friday, September 7.

We wish you enjoy the conference, have a good time in our city, and a lot of successful meetings.

NPAE-Kyiv2012 organizers

Organizers

- National Academy of Science of Ukraine (NASU, <http://www.nas.gov.ua>)
- Institute for Nuclear Research of NASU, Kyiv (KINR, <http://www.kinr.kiev.ua>)
- Taras Shevchenko National University of Kyiv (NTST, <http://www.univ.kiev.ua>)

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Time	Sep. 3(Mon)	Sep. 4(Tue)	Sep. 5(Wed)	Sep. 6(Thu)	Sep. 7(Fri)
9:00	9:00-10:50 Registration	9:00-11:30 4*30 Plenary 2 (Hall)	9:00-11:30 4*30 Plenary 3 (Hall)	9:00-11:30 4*30 Plenary 4 (Hall)	9:00-11:30 # 2 (Room 46) # 3 (Hall) # 7 (Room 32)
10:00					
11:00	10:50-11:00 Opening Ceremony	11:45-13:30	11:45-13:30	11:45-13:30	11:45-13:30
12:00	11:00-13:30 4*30 Plenary 1 (Hall)	# 3 (Hall) # 5 (Room 46) # 4 (Room 32)	# 2 (Hall) # 4 (Room 46) # 5 (Room 32)	# 2 (Hall) # 7 (Room 32) # 8 (Room 46)	# 2 (Room 46) # 3 (Hall) # 5 (Room 32)
13:00					
14:00	14:30-15:45 # 1 (Room 32)	14:30-15:45 # 2 (Hall)	14:30-15:45 # 1 (Room 46)	14:30-15:45 # 4 (Hall)	14:30-16:15 Plenary 5 3*30
15:00	# 4 (Room 46) # 8 (Hall)	# 5 (Room 46) # 4 (Room 32)	# 2 (Hall) # 8 (Room 32)	# 7 (Room 32) # 8 (Room 46)	16:15-16:35 Closing Ceremony (Hall)
16:00	16:00-18:00 # 1 (Room 32) # 2 (Room 46)	16:00-18:00 Poster Session 1 (Hall foyer)	16:00-19:00 Excursion	16:00-18:00 Poster Session 2 (Hall foyer)	
17:00	# 3 (Hall)	# 5 # 6 # 7		# 8 # 3 # 2 # 4	
18:00					
19:00	18:30-20:30 Welcome Reception			19:00-22:30 Banquet	
20:00					
21:00					
22:00					

1 Collective Processes In Atomic Nuclei

2 Nuclear Reactions

3 Nuclear Structure And Decay Data

4 Rare Nuclear Processes

5 Neutron And Reactor Physics Nuclear Data

6 Problems Of Atomic Energy

7 Applied Nuclear Physics Experimental Facilities & Detection Techniques

8 High Energy Physics

September 3 (Monday)		
	8:30-10:45	Registration
Chair: Denisov Vitali		
	10:50-11:00(10)	Opening Ceremony
Plenary 1 (Hall)		
Chair: Plujko Vladimir & Royer Guy		
1	11:00-11:35(30+5)	Shul'ga Nikolai High Energy Wave Packets In Radiation By Ultrarelativistic Electrons In Matter
2	11:35-12:10(30+5)	Toke Jan Surface Boiling - An Obvious But Like No Other Decay Mode Of Highly Excited Nuclei
	12:10-12:20	Break
3	12:20-12:55(30+5)	Tang Xiaodong How Does The Carbon Fusion Reaction Happen In Stars?
4	12:55-13:30(30+5)	Betak Emil Possibilities Of Statistical Pick-Up And Knock-Out In The Pre-Equilibrium (Exciton Model) Nuclear Reactions For The Cluster Emission
Lunch 13:30-14:30 (60 min)		
September 3 (Monday) # 1 Collective Processes In Atomic Nuclei (Room 32)		
Chair: Betak Emil		
1	14:30-14:55(20+5)	Abrosimov Valery Pairing Collective Excitations In Nuclei: A Semiclassical Approach
2	14:55-15:20(20+5)	Balbutsev Evgeny New Type Of Collective Motion - Spin Scissor
3	15:20-15:45(20+5)	Ivanyuk Fedir The Shape Transitions In Rotating Nuclei
September 3 (Monday) # 4 Rare Nuclear Processes (Room 46)		
Chair: Danevich Fedir		
1	14:30-14:55(20+5)	Francesca_Belloni Neutron Beam Imaging With Micromegas Detectors In Combination With Neutron Time-Of-Flight At The N_TOF Facility At CERN
2	14:55-15:20(20+5)	Tsyganov Yury Integrated PC-Based System For Detecting And Parameter Monitoring At The Dubna Gas Filled Recoil Separator: Status And Development
3	15:20-15:45(20+5)	Kobychev Vladislav The AMoRE Experiment For Investigation Of Double Beta Decay Of 100Mo
September 3 (Monday) # 8 High Energy Physics (Hall)		
Chair: Shul'ga Nikolai		
1	14:30-15:00(25+5)	Anchishkin Dmitry Nucleon Nonequilibrium Distribution Functions In Relativistic Heavy-Ion Collisions
2	15:00-15:30(25+5)	Borysova Maryna Influence Of Tubular Initial Conditions On Pion Spectra In A + A Collisions
3	15:30-15:45(10+5)	Tykhonov Andrii Gluon Loops In The Inelastic Processes In QCD
15:45-16:00-Coffee (15 min)		
September 3 (Monday) # 1 Collective Processes In Atomic Nuclei (Room 32)		
Chair: Abrosimov Valery		

1	16:00-16:30(25+5)	Cherevko Kostyantyn Mechanical Breakdown In The Nuclear Multifragmentation Phenomena. Thermodynamic Analysis
2	16:30-17:00(25+5)	Plujko Vladimir E1 Gamma-Transitions In Hot Atomic Nuclei
3	17:00-17:30(25+5)	Radionov Sergey Non-Markovian Diffusion Over A Potential Barrier In The Presence Of Periodic Time Modulation
4	17:30-18:00(25+5)	Gorbachenko Oleksandr Effect Of Collective States On Nuclear Level Density And Nuclear Reaction Observables
September 3 (Monday) # 2 Nuclear Reactions (Room 46)		
Chair: Toke Jan		
1	16:00-16:30(25+5)	Kuznietsov Ph. Two-Particle Photodisintegration Of Helium: $4\text{He}(\gamma p)t4\text{He}(\gamma n)3\text{He}4\text{He}(\gamma d)d$
2	16:30-17:00(25+5)	Andrianov Vladimir Local Parity Breaking In Heavy Ion Collisions
3	17:00-17:30(25+5)	Davydovskyy Volodymyr Reaction $12\text{C}(d, pn)12\text{C}$ At 56 MeV In The Diffraction Approximation
4	17:30-18:00(25+5)	Botvina Alexander Production Of Hypernuclei From Excited Nuclear Systems
September 3 (Monday) # 3 Nuclear Structure And Decay Data (Hall)		
Chair: Ivanyuk Fedir		
1	16:00-16:30(25+5)	Magner Alexander Nuclear Asymmetry Energy, Neutron Skin And Isovector Stiffness
2	16:30-17:00(25+5)	Sanzhur Andriy Curved And Diffuse Interface Effects On The Nuclear Surface Tension
3	17:00-17:30(25+5)	Tarasov Vyacheslav The Peninsulas Of Neutron Stability Of Nuclei On Nuclear Chart Near Of Neutron Magic Numbers
4	17:30-18:00(25+5)	Kondratyev Vladimir Magnetar Crust Magnetoemission
18:30-20:30 Welcome Reception		
September 4 (Tuesday)		
September 4 (Tuesday) Plenary 2 (Hall)		
Chair: Shlomo Shalom		
1	9:00-9:35(30+5)	Ring Peter On The Way To A Microscopic Derivation Of Nuclear Energy Density Functionals
2	9:35-10:10(30+5)	Gridnev Konstantin Extreme Neutron Rich Sector Of The Nuclear Chart: New Horizons!
	10:10-10:20	Break
3	10:20-10:55(30+5)	Lojewski Zdzislaw Spontaneous Fission of Superheavy Nuclei in Macroscopic-Microscopic Model
4	10:55-11:30(30+5)	Torresi Domenico Resonance Scattering Experiments On Thick Gas Target With The LNS Radioactive Beams
11:30-11:45-Coffee (15 min)		
September 4 (Tuesday) # 4 Rare Nuclear Processes (Room 32)		
Chair: Barabash Alexander		
1	11:45-12:15(25+5)	Gando Azusa Results From KAMLAND-ZEN
2	12:15-12:40(20+5)	Rukhadze Nikolai New Detectors In Investigations Of 2β Decay
3	12:40-13:05(20+5)	Nones Claudia The Bolometric Way Towards The Direct Dark Matter Detection: The EDELWEISS Experiment And The

		EURECA Prospect
4	13:05-13:30(20+5)	Podviyanuk Ruslan Dark Matter Search With The Picasso Experiment
September 4 (Tuesday) # 5 Neutron And Reactor Physics Nuclear Data (Room 46)		
Chair: Semkova Valentina		
1	11:45-12:15(25+5)	Pritychenko Boris Nuclear Energy and Astrophysics Applications of ENDF/B-VII.1 Evaluated Nuclear Library
2	12:15-12:40(20+5)	Gritzay Olena Development Of The Code For Filter Calculation
3	12:40-13:00(15+5)	Libman Volodymyr Based On Manganese Filtered Neutron Beam At The Kyiv Research Reactor
4	13:00-13:15(10+5)	Stepan Volkovetskyi The Averaged Cross Sections Of Natural Carbon In The Energy Region 90-160 keV
4	13:15-13:30(10+5)	Bondar Boris Cross Sections Of Prompt γ -Ray Production Induced By Interaction Of Fast Neutrons With Cadmium
September 4 (Tuesday) # 3 Nuclear Structure And Decay Data (Hall)		
Chair: Karamian Sarkis		
1	11:45-12:15(25+5)	Lukyanov Sergiy Nucleon Distribution In Nuclei Beyond Beta-Stability Line
2	12:15-12:40(20+5)	Krivenko-Emetov Yaroslav The Two-Photon Exchange In $d(e, e')d'$ Scattering Of Longitudinally Polarized Electrons On Polarized Deuterons
3	12:40-13:05(20+5)	Sergiwa Sami Investigation Of ^{138}Ba In The $(n, n'\gamma)$ -Reaction
4	13:05-13:30(20+5)	Pavlova Elena Dissipative Statistical And Dynamical Fission Rates: Case Of The Microcanonical Ensemble
Lunch 13:30-14:30 (60 min)		
September 4 (Tuesday) # 2 Nuclear Reactions (Hall)		
Chair: Tang Xiaodong		
1	14:30-14:55(20+5)	Kosenko Grigory The Two Step Reaction Model For The Yield Of Hg Isotopes
2	14:55-15:20(20+5)	Pavlenko Yuriy Results And Perspectives Of Experimental Studies Of Multi-Particle Reactions With Light Nuclei At Low Energies
3	15:20-15:40(15+5)	Mezhevych Sergiy $^{10}\text{Be} + ^{15}\text{N}$ Potential From $^{14}\text{C}(^{11}\text{B}, ^{10}\text{Be})^{15}\text{N}$ Reaction Analysis; $^9\text{Be} + ^{16}\text{N}$ Potential From $^{14}\text{C}(^{11}\text{B}, ^9\text{Be})^{16}\text{N}$ Reaction Analysis; $^{14}\text{C}(^{11}\text{B}, ^7\text{Li})^{18}\text{O}$ Reaction Mechanism
September 4 (Tuesday) # 5 Neutron And Reactor Physics Nuclear Data (Room 46)		
Chair: Kaltchenko Oleksandr		
1	14:30-14:55(20+5)	Fomin Sergii Physical Basis Of Nuclear Burning Wave Reactor
2	14:55-15:20(20+5)	Gann Volodymyr Benchmark On Traveling Wave Fast Reactor With Negative Reactivity Feedback, Obtained With The Mcnpx Code
3	15:20-15:45(20+5)	Pavlovych Volodymyr Two-Group Approximation For The Neutron Noise Analysis
September 4 (Tuesday) # 4 Rare Nuclear Processes (Room 32)		
Chair: Lashko Anatolii		
1	14:30-14:55(20+5)	Dzyublik Alexey Nuclear Excitation At Electron Transition
2	14:55-15:20(20+5)	Fedotkin Sergey Atomic Ionization At Positron-Electron Annihilation At Beta Plus-Decay

3	15:20-15:45(20+5)	Kirischuk Vladimir New Observations For The Triggering Of $^{178m2}\text{Hf}$ Isomer Embedded In Ta Matrix By 30 keV Electrons; New Observations For The Triggering Of $^{178m2}\text{Hf}$ Isomer Embedded In Ta Matrix By 25 keV Electrons	
15:45-16:00-Coffee (15 min)			
Poster Session 1 September 4 (Tuesday) 16:00-18:00 Chair: Pavlenko Yuriy			
# 5 Neutron And Reactor Physics Nuclear Data		# 6 Problems Of Atomic Energy	# 7 Experimental Facilities And Detection Techniques
9		10	14
33 Posters			
# 5 Neutron And Reactor Physics			
1	Kalchenko Oleksandr Specific Neutron Data Library For Radioisotope Accumulation Calculations At The Research Reactor		
2	Kuznetsov Valeryi Investigation of the Possibilities of Observing the Effects of the Parity Violation in Neutron Diffraction		
3	Kuznetsova Evgenia The Study of the Possibility for Measuring of the Parity Violation in Neutron Diffraction on the First Channel of the IBR-2		
4	Leonid Mikhailov Neutron Control Of Well Debit Increasing By Acoustic Influence On Oil Formation		
5	Pantak Oksana The Temperature Dependences Distinction Of Thermal Source Densities Of Mox-Fuel And Diokside-Fuel And Related With It The Features Of The AES Fukushima-1 Third Block Accident		
6	Parlag Oleg Parameterization Of Prompt Neutron Yields From Photofission Fragments		
7	Sikorin Svyatoslav The Concept Of The Low-Power Reactor With Core On Basis Of Small Diameter Spherical Fuel Elements; Evaluation Of Results Of Experiments On Uranium-Water Critical Assemblies With 36% Enriched Uranium-235 For Received Benchmark Data On Criticality		
8	Maslyuk Volodymyr Statistical Nature Of Neutron Activity In The Fission Of Heavy Nuclei		
9	Razbudey Volodymyr Neutron Spectra and Fluxes in Horizontal Channels of Research Reactor while Conversion on Low Enriched Fuel		
# 6 Problems Of Atomic Energy			
1	Iaroshenko Sergei Subcriticality Measurements In Spent Fuel Storage		
2	Litvinov Dmitry Increase Of The Reactivity Margin Of The Fast Reactor After Stopping And Compatibility With Internal Safety		
3	Maksimkin Oleg Materials Studies Performed In The Framework Of BN-350 Fast Reactor Decommission		
4	Mazilov Aleksandr Formation Of Radiation Risk Groups Among The Personnel		
5	Ostapenko Ivan The Problems Of The Usage Of Powerful Electrons Accelerators For The Irradiation Of Nuclear Power Stations' Equipment And Materials		
6	Petro Vorona Automated Installation For Remote Sealing Of Radioisotope Radiation Source Capsules For Industrial Defectoscopy On The Basis Of Radioisotope Iridium-192		
7	Rudychev Vladimir Reducing Radiation Exposure Under Radioactive Waste Management; The Radiation Field In Dry Storage Of Spent Nuclear Fuel At Zaporozhye NPP During Filling		
8	Ryazanov Vasily Stochastic Analog Of Reactor Period - Time To Reach A Given Level Of Number Of Neutrons		
9	Samoilenko Dmitry Study Of Accelerated Unit Unloading Mode Initiated By Turbine Feed Pump Trip With Tsva Fuel Assemblies Operation In WWER-		

	1000	
10	Skorbun A.D. Peculiarities Of 60Co Scattering In Pb Screen	
#7 Applied Nuclear Physics Experimental Facilities & Detection Techniques		
1	Golinka-Bezshyyko Larisa Air Activation While Operating Medical Linear Electron Accelerator; Quality Assurance And Radiation Safety In Positron Emission Tomography	
2	Hamouda Samir Data Reduction For High Gamma-Ray Compton Spectroscopy	
3	Ievgenii Petrenko Simulation of photon beam irradiation	
4	Karpenko Andrey Influence Of Neutron Irradiation On The Physical Parameters Of Sige Whiskers	
5	Kovalyuk Zakhar Effects Of 1 MeV Fast Neutrons On Heterostructure Oxide-InSe	
6	Sidorenko Leonid Low energy electron spectra arising from the bombardment of a titanium target by beta-particles of tritium and alpha-particles of 238Pu	
7	Melnik Svitlana The Investigation Of Change Of Proton High Energy Nanobeam Resolution On Depth In The Homogeneous Thick Targets	
8	Moskalenko Volodymyr Status Of The New AMS Facility In Institute Of Applied Physics NASU	
9	Petrenko Vitaliy The Effectiveness Of Registration Of Fissile Materials By Various Methods	
10	Rebrov Oleksii Formation Of Precise Ion Beams With Energies About Few MeV In The Single-Ion Mode	
11	Kovalchuk Oleksii Metal Micro-Detectors: Development Of "Transparent" Position Sensitive Detector For Beam Diagnostics	
12	Skorkin Vladimir Correlation method in nucleon-nuclear inelastic interaction	
13	Sokolov Alexander Approach to Gamma Spectrum Analysis when Energy Calibration is Unknown	
14	Zakharchenko Aleksandr Characteristics Of Wide Band-Gap Gamma-Radiation Detectors Based On Mercury Compounds	
September 5 (Wednesday)		
September 5 (Wednesday) Plenary 3 (Hall)		
Chair: Ring Peter		
1	9:00-9:35(30+5)	Shlomo Shalom Modern Energy Density Functional For Properties Of Finite Nuclei And Nuclear Matter
2	9:35-10:10(30+5)	Karnaukhov Ivan NSC KIPT Neutron Source Based On The Sub-Critical Assembly Driven By Accelerator
	10:10-10:20	Break
3	10:20-10:55(30+5)	Royer Guy Generalized Liquid Drop Model And Fission Fusion Alpha And Cluster Radioactivity And Superheavy Nuclei
4	10:55-11:30(30+5)	Cherubini Silvio Indirect Methods And New Techniques In Nuclear Astrophysics
11:30-11:45-Coffee (15 min)		
September 5 (Wednesday) # 2 Nuclear Reactions (Hall)		
Chair: Gridnev Konstantin		
1	11:45-12:20(30+5)	Karamian Sarkis Yield Of Bremsstrahlung Induced Reactions As A Probe Of Nucleon-Nucleon Correlations In Heavy Nuclei
2	12:20-12:55(30+5)	Lutostansky Yuri Transuranium Elements Production In Pulse Neutron Fluxes
3	12:55-13:30(30+5)	Olkhovsky Vladislav The Cross Sections And Durations Of Neutron-Nucleus Scattering Near One-Two Resonances Distorted By

		The Non-Resonant Background In The System Of The Center Of Mass And In The Laboratory System; The Space-Time Description Of Interference Phenomena In Nuclear Reactions With Three Particles In The Final Channel
September 5 (Wednesday) # 4 Rare Nuclear Processes (Room 46) Chair: Barabash Alexander		
1	11:45-12:10(20+5)	Belov Vladimir EXO-200 Results
2	12:10-12:35(20+5)	Tretyak Vladimir Double Beta Processes In 96-Ru And 104-Ru
3	12:35-13:00(20+5)	Semenov Sergey Preparation Of Experiment For Search Of $0\nu 2\beta$ Decay Of 150Nd
4	13:00-13:25(20+5)	Poda Denys First Results Of The Experiment To Search For Double Beta Decay Of 116Cd With The Help Of Enriched 116CdWO4 Crystal Scintillators
5	13:25-13:55(15+5)	Mokina Valentyna Optimization Of Light Collection From Crystal Scintillators For Cryogenic Experiments
September 5 (Wednesday)) # 5 Neutron And Reactor Physics Nuclear Data (Room 32) Chair: Plujko Vladimir		
1	11:45-12:10(20+5)	Lyashuk Vladimir Neutron Sources For Neutrino Investigations With The Lithium Converter
2	12:10-12:35(20+5)	Sunniva Rose Thorium Fuels In Existing Reactor Designs
3	12:35-13:00(20+5)	Gulik Volodymyr The Optimal Geometric Characteristics Of Two-Zone Subcritical Systems For Different Fuel Compositions
4	13:00-13:25(20+5)	Khafizova Natalia Influence Of Core Model Parameters On The Characteristics Of Neutron Beams Of The Research Reactor
5	13:25-13:55(15+5)	Khotyayintsev Volodymyr Neutron Flux Oscillations in the Travelling Wave Reactor
Lunch 13:30-14:30 (60 min)		
September 5 (Wednesday) # 1 Collective Processes In Atomic Nuclei (Room 46) Chair: Poenaru Dorin		
1	14:30-15:00(25+5)	Sunniva Siem Small Resonances On The Tail Of The Giant Dipole Resonance
2	15:00-15:25(20+5)	Sitdikov Airat Inertia Moment Of Cranked Harmonic Oscillator
4	15:25-15:45(15+5)	Ganev Huben On The Structure Of Triaxial Nuclei
September 5 (Wednesday) # 2 Nuclear Reactions (Hall) Chair: Olkhovsky Vladyslav		
1	14:30-14:55(20+5)	Kondratyev Vladimir Nuclear Magics At Creation And Transmutation In Magnetized Explosively Dense Matter
2	14:55-15:20(20+5)	Maydanyuk Sergei Model Of Bremsstrahlung Emission Accompanying Interactions Between Protons And Nuclei From Low Up To Intermediate Energies
3	15:20-15:45(20+5)	Skobelev Nikolay Features Of Nuclear Reactions On Light Weakly- Bound Nuclei At Energies Near The Coulomb Barrier Reactions
September 5 (Wednesday) # 8 High Energy Physics (Room 32) Chair: Simenog Ivan		
1	14:30-14:55(20+5)	Iakovenko Viktor Rare B Decays At LHCb Experiment; Measurement Of $B_s^0 \rightarrow \varphi \gamma$ Branching Fraction In LHCb Experiment

2	14:55-15:20(20+5)	Obikhod Tatiana Searching For Physics BeyondThe Standard Model At The LHCc
3	15:20-15:45(20+5)	Turovsky Alexei To The Nonrelativistic Expansion Of The Equal-Time Relativistic Two-Body Equations
15:45-16:00-Coffee (15 min)		
City Excursion		
September 6 (Thursday)		
September 6 (Thursday) Plenary 4 (Hall)		
Chair: Lojewski Zdzislaw		
1	9:00-9:35(30+5)	Giuliani Andrea Status And Prospects Of The Search For Neutrinoless Double Beta Decay
2	9:35-10:10(30+5)	Bernabei Rita DAMA/LIBRA Results And The Perspectives Of The Second Stage
	10:10-10:20	Break
3	10:20-10:55(30+5)	Barabash Alexander Double Beta Decay Experiments: Beginning Of A New Era
4	10:55-11:30(30+5)	Poenaru Dorin N Cluster Radioactivity And Alpha Decay Of Superheavy Nuclei
11:30-11:45-Coffee (15 min)		
September 6 (Thursday) # 2 Nuclear Reactions (Hall)		
Chair: Pavlovich Volodymyr		
1	11:45-12:10(20+5)	Grytsenko Oleksandr Dosimetry of VVER-1000 Reactor Pressure Vessel and Surveillance Specimens at Ukrainian NPPs
2	12:10-12:35(20+5)	Ilkovych Viktor Development Of Surveillance Specimen Dosimetry Experiment At Unit 3 Of Rivne NPP
3	12:35-12:55(15+5)	Kovalinska Tetiana The Improvement Of KINR NASU Experimental Base And Methods Of Nondestructive Control Of Functional Characteristics Of Nuclear Power Stations' Equipment And Materials
4	12:55-13:15(15+5)	Pelykh Sergey VVER-1000 Fuel Rearrangement Optimization Taking Into Account Both Fuel Cladding Durability And Burnup
5	13:15-13:35(15+5)	Revka Volodymyr Different Approaches to Estimation of RPV Material Embrittlement
6	13:35-13:55(15+5)	Shkarupa Alexander Using Of Relap5-3d Code For The Assessment Of Reactor Pressure Vessel Resistance Against Brittle Fracture Of Ukraine WWER-1000 NPP Units
September 6 (Thursday) # 8 High Energy Physics (Room 46)		
Chair: Anchishkin Dmitry		
1	11:45-12:15(25+5)	Vassiliev Iouri Fast Reconstruction Of Charm And Multi-Strange Particles In The CBM Experiment
2	12:15-12:45(25+5)	Pylypchenko Yuriy Search For Associated Higgs Boson Production With A W Or Z And Decaying To b-bbar With ATLAS Detector
3	12:45-13:15(25+5)	Fornazier Karin Three-Body Model Of The Final State Interaction In Heavy Meson Decay
4	13:15-13:45(25+5)	Aushev Vladimir Jet Measurements And Determination Of The Strong Coupling Constant as At HERA
September 6 (Thursday) # 7 Applied Nuclear Physics Experimental Facilities & Detection Techniques (Room 32)		
Chair: Lutostansky Yuri		
1	11:45-12:10(20+5)	Skorkin Vladimir Study of neutron capture by medical nuclides at irradiation facilities of INR RAS

2	12:10-12:35(20+5)	Mordovskoy Mikhail Low-Background Chamber For The Germanium Gamma Spectrometer	
3	12:35-13:00(20+5)	Dryapachenko Ihor Comparison Of Digital Methods For Storage, Sorting And Displaying Of The Spectrometric Information	
4	13:00-13:25(20+5)	Zhemenik Viktor 6He Ion Source On The Electron Beam Of MT-25 Microtron	
5	13:25-13:45(15+5)	Zuyev Sergey Comparison Of Various Scintillation Detectors With n- γ Pulse Shape Discrimination	
Lunch 13:30-14:30 (60min)			
September 6 (Thursday) # 4 Rare Nuclear Processes (Hall) Chair: Tretyak Volodymyr			
1	14:30-14:55(20+5)	Kobyakin Alexander Detection Of The Neutrino-Nucleus Coherent Scattering With Two-Phase Noble Liquid Detector	
2	14:55-15:20(20+5)	Polishchuk Oksana First Search For Double Beta Decay Of Osmium By Low Background HPGe Detector	
3	15:20-15:45(20+5)	Kobychev Vladislav DarkSide Program Of Direct Dark Matter Searches	
September 6 (Thursday) # 7 Applied Nuclear Physics In Medicine & Industry (Room 32) Chair: Tsyganov Yury			
1	14:30-14:55(20+5)	Dyuldya Sergiy Non-Classical Radiation Transport IN Random Media With Fluctuating Densities	
2	14:55-15:20(20+5)	Romaniuk Mariia MesonPhotoproduction And Baryon Resonances	
3	15:20-15:45(20+5)	Mihneva Ekaterina Experimental Researches Of The Effectiveness Of The Usage Of Methods Of Applied Nuclear Physics For Food Production	
September 6 (Thursday) # 8 High Energy Physics (Room 46) Chair: Jenkovszky Laszlo			
1	14:30-14:55(20+5)	Isayev Alexander Equation Of State Of Strange Quark MatterIn A Strong Magnetic Field	
2	14:55-15:20(20+5)	Pankov Alexander Spin Determination Of Heavy Nonstandard Dilepton And Diphoton Resonances At The Lhc	
3	15:20-15:45(20+5)	Pugatch Valery Beauty and Charm Physics at the Large Hadron Collider	
15:45-16:00-Coffee (15 min)			
Poster Session 2 September 6 (Thursday) 16:00-18:00 Chair: Pavlovich Volodymyr			
# 8 High-energy physics	# 3 Nuclear Structure And Decay Data	# 2 Nuclear Reactions	# 4 Rare process
5	7	17	2
31 Posters			
# 8 High-energyphysics			
1	Aushev Yegor Jets At Low Q^2 At Hera		
2	Lymanets Anton The Silicon Tracking System Of The CBM Experiment At FAIR		
3	Nakaznoy Pavel The Basic Properties Of The Non-Lagrangian Theories Of Gravity		
4	Okhrimenko Oleksandr Search For CP Violation In B-Mesones Decays At Lhcb Experiment;		

	Radiation Monitoring System Of The LHCb Inner Tracker In 2012 Operation Year
5	Bondar Vira Exclusive Vector Meson Production At HERA
# 3 Nuclear Structure And Decay Data	
1	Belchikov Sergei Tunneling between asymmetric potential wells and superdeformed nuclear bands
2	Egorova Irina Three-Body Correlations In 6be Studied In Knockout
3	Hamouda Samir Measurement Of Electron Momentum Distributions In Tungsten With 662 keV Gamma Radiation
4	Lashko Anatolii The internal conversion coefficient for the K-forbidden E1-transition with the energy of 55 keV in ^{177}Hf
5	Savrasov Andriy Penetration Effects In The E1 And E2 Hindered Transitions In The Sn Nuclei
6	Schaeffer Bernard First Calculation Of The Deuteron Binding Energy
7	Piatnytskyi Dmytro Structure Properties Of ^4He Nucleus
# 2 Nuclear Reactions	
1	Belgaid Mohamed Systematics Studies Of $(n, n'p+d)$ And (n, d) Reaction Cross Sections At 14.5 MeV Neutrons Energy
2	Babak Oleksandr Mechanism Of The Forward-Angle Deuteron Breakup Reaction At Intermediate Energies. First-Order Prior-DWBA Approach
3	Golinka-Bezshyyko Larisa Isomer Ratios For Products Of Photonuclear Reactions With Antimony Nuclei; Isomer Ratios For ^{52}Mg - Product Of Photonuclear Reaction $^{54}\text{Fe}(\gamma, np)^{52}\text{Mg}$
4	Chercas Kostyantyn $^6\text{Li}(180, 17p\hbar)^7\text{Li}$ Reaction Mechanism And $^7\text{Li} + ^{17}\text{O}$ Potential
5	Kyva Volodymyr Deuteron And Triton Decay Of ^5He Resonances In The Reaction $^7\text{Li}(d, \alpha)^5\text{He}$
6	Mikhailyuk Vadim Polarization Phenomena In The Intermediate Energy Elastic Deuteron Scattering From ^{12}C And ^{16}O Nuclei
7	Nesterov Aleksandr Spectrum Of ^9Be And ^9B In A Three-Cluster Microscopic Model
8	Leonid Mikhailov The Possibility Of Observing The Gamma Radiation Associated With The Formation And Pre-Equilibrium Emission Of Alpha Particles In Nucleus-Nucleus Collisions
9	Omelchuk Sergey Inelastic Collision Of Deuterons With Tritons
10	Savrasov Andriy Isomeric Ratios In ^{233}U And ^{241}Am Photofission Fragments; Isomeric Cross-Sections Ratios For $^{120}\text{m,gSb}$ In (p, p) -Reaction For Near Threshold Region
11	Rundel Oleksandr Subbarrier Interaction Of Deuterons With $^{58,62}\text{Ni}$, ^{124}Sn And ^{208}Pb Nuclei
12	Samarin Kirill Time-Dependent Quantum Description Of Few Nucleons Transfers At Nuclear Reactions
13	Yettou Leila Semi-Empirical Systematics Of $(N, ^3\text{He})$ Cross Sections For 14.6 MeV Neutrons
14	Zelenskaya Natalia Angular Correlation In Inelastic Scattering $^{24}\text{Mg}(d, d\gamma)^{24}\text{Mg}$ At $E_d = 15.3$ MeV
15	Parlag Oleg Distribution Of The ^{237}Np Photofission Products
16	Symochko Dmytro Mechanism Of Tellurium Isomers Excitation In (γ, N) Reactions
17	Derechkey Peter The Cross-Sections Of $^{120}\text{Te}(\gamma, n)^{119}\text{Te}$ And $^{122}\text{Te}(\gamma, n)^{121}\text{Te}$ Reactions In The E1-Giant Resonance Energy Region
# 4 Rare process	
1	Chernyak Dmitry Cryogenic Zinc Molybdate Scintillation Bolometers To Search For Neutrinoless Double Beta Decay Of ^{100}Mo

2	Kandybei Sergii Production Of $^{178m2}\text{Hf}$ Isomer And Long-Lived Isotopes In Photonuclear Reactions At Ta Using 1.2 GeV Bremsstrahlung Photons	
19:00-22:30 Banquet		
September 7 (Friday)		
September 7 (Friday) # 2 Nuclear Reactions (Room 46)		
Chair: Rudchik Adam		
1	9:00-9:30(25+5)	Vasilevsky Victor Microscopic Description Of Resonance States Of Light Nuclei Above Three-Cluster Threshold
2	9:30-10:00(25+5)	Lashko Yuliya Three-Cluster Structure Of The ^8Li Nucleus And The Pauli Principle
3	10:00-10:25(20+5)	Samarin Vyacheslav Description Of Nucleon Transfers Processes By A Coupled Channel Method With Two-Center States
4	10:25-10:50(20+5)	Ponkratenko Oleg Energy Dependent Optical Potential From $^{16}\text{O}+^{12}\text{C}$ Elastic Scattering
5	10:50-11:10(15+5)	Pirnak Valerii Elastic And Inelastic Scattering Of 114 MeV ^{18}O Ions By ^6Li ; $^{11}\text{B}^8\text{Be}$ Optical Potential From $^7\text{Li}(^{12}\text{C}, ^{11}\text{B})^8\text{Be}$ Reaction Analysis; Elastic And Inelastic Scattering Of ^{15}N Ions By ^{12}C At 81 MeV; Elastic And Inelastic Scattering Of The 115 MeV ^{12}C Ions By ^7Li
6	11:10-11:25(10+5)	Omelchuk Sergey Inelastic Collision Of Deuterons With Tritons
7	11:25-11:40(10+5)	Gerashchenko Oleg Elastic And Inelastic Scattering Of The 80 MeV ^{14}N Ions By $^{\text{Li}}$; Mechanism Of $^7\text{Li}(^{14}\text{N}, ^{15}\text{N})^6\text{Li}$ Reaction At 80 MeV
September 7 (Friday) # 3 Nuclear Structure And Decay Data (Hall)		
Chair: Sobiczewski Adam		
1	9:00-9:30(25+5)	Trezzi Davide Looking The Cosmos From The LNGS Deep Underground Laboratory: The LUNA Experiment
2	9:30-10:00(25+5)	Povoroznyk Orest Experimental and theoretical analysis of the resonance spectrum in ^6He
3	10:00-10:30(25+5)	Denisov Vitali Polarized Electric Dipole Moment Of Well-Deformed Reflection Asymmetric Nuclei
4	10:30-11:00(25+5)	Maslyuk Volodymyr Nucleosynthesis As The Nuclear Matter Disintegration: From Superheavy To Atomic Nuclei
5	11:00-11:30(25+5)	Mitrokhovich Nick Correlation Researches Of An Outgoing Directions "Shake-Off" Electron And Positron At β^+ - Decay
September 7 (Friday) # 7 Applied Nuclear Physics Experimental Facilities & Detection Techniques (Room 32)		
Chair: Pugatch Valery		
1	9:00-9:30(25+5)	Skakun Yevgen Possibilities To Investigate Astrophysical Photonuclear Reactions In Ukraine
2	9:30-10:00(25+5)	Sugathan Pullanhiotan Neutron Detector Array For Reactions Around Coulomb Barrier
3	10:00-10:25(20+5)	Dyuldya Sergiy Model-Independent Evaluation of Recoils Channeling Impact on Visible Energy Spectra in Dark Matter Particles Crystalline Detectors
4	10:25-10:50(20+5)	Sorokin Iurii The Silicon Tracking System Of The CBM Experiment: Overview And Development Progress
5	10:50-11:15(20+5)	Perevertailo Volodymyr Influence Of Production Engineering And Design On Characteristics Neutron-Sensitive P-I-N Diodes; Charge-Sensitive And Shaping Amplifier Microassemblies For Dosimetry And Spectrometry On CZT-Detectors

6	11:15-11:30(10+5)	Pugach Mykhailo MicropixelDetector TimepixImaging Dynamics Of Phase Transitions In Metals
11:30-11:45-Coffee (15 min)		
September 7 (Friday) # 2 Nuclear Reactions (Room 46) Chair: Ostashko Volodymyr		
1	11:45-12:15(25+5)	Scielzo Nicholas Beta-Delayed Neutron Spectroscopy With Trapped Ions
2	12:15-12:40(20+5)	Vysotskii Vladimir Application Of Correlated States Of Interacting Particles For Realization Of LENR (Low Energy Nuclear Reactions)
3	12:40-13:00(15+5)	Pugatch Valerii New Features Of The Experimental Studies Of Three-Particle Nuclear Reactions At Low Energies
4	13:00-13:15(10+5)	Pilipenko Nickolay Capture Cross Section For Systems Leading To Element 120
5	13:15-13:30(10+5)	Nesterov Vasily Influence Of The Pauli Principle And Polarization On $^{16}\text{O}+^{16}\text{O}$ Interaction Potential
September 7 (Friday) # 3 Nuclear Structure And Decay Data (Hall) Chair: Pritychenko Boris		
1	11:45-12:20(30+5)	Denisov Vitali Unified Model For Alpha-Decay And Alpha-Capture
2	12:20-12:55(30+5)	Grinjuk Boris Structure Functions Of ^{10}Be And ^{10}C Nuclei
3	12:55-13:30(30+5)	Kurteva Ann Beta-Decay ^{231}Th ; About The Nature Of Suppression Of Weak Forces In Nuclei
September 7 (Friday) # 5 Neutron And Reactor Physics Nuclear Data (Room 32) Chair: Gritzay Olena		
1	11:45-12:15(25+5)	Semkova Valentina Recent Developments In Nuclear Data Compilation, Evaluation And Validation At The IAEA Nuclear Data Section
2	12:15-12:45(25+5)	Margeanu Cristina Alice Estimation Of Spent Fuel Parameters For A Low Void Reactivity Fuel Bundle Irradiated In CANDU Reactors
3	12:45-13:00(15+5)	Khotyayintseva Olena The Feedback to Power effect in the Travelling Wave Reactor
4	13:00-13:15(15+5)	Grymalo Anna Determination Of Total Neutron Cross Section Of Cr-52 With Using Average Energy Shift Method For Filtered Neutron Beam
5	13:15-13:30(10+5)	Kadenko Artem Cross Sections Of (n,alpha) Reactions On Rare Earth Elements From Tb Through Lu AT $E_n \sim 14$ MeV
Lunch 13:30-14:30(60min)		
September 7 (Friday) Plenary 5 (Hall) Chair: Bernabei Rita		
1	14:30-15:05(30+5)	Heinz Sophia Superheavy Element Research At The Velocity Filter Ship
2	15:05-15:40(30+5)	Sobiczewski Adam Predictive Power Of Nuclear-Mass Models
3	15:40-16:15(30+5)	Jenkovszky Laszlo Reggeometry Of Lepton- And Hadron-Induced Reactions
	16:15-16:25	Closing Ceremony

