CONFERENCE PROGRAM

IT: Invited Talk, S: Seminar

Sunday, 28th of August

15:00 – 18:00	**Registration**		
18:00 – 19:00	**Dinner**		
19:00 – 19:10	**Opening**		
19:10 – 19:15	**Tadeusz Lesiak** IFJ PAN, Kraków		Director's Welcome Address

Keynote Talk

19:15 – 20:00	IT	**Witold Nazarewicz** Michigan State University and University of Warsaw	Excitement and challenges in low-energy nuclear physics
20:00	**Welcome reception**		

Monday, 29th of August

Nuclear Collectivity Workshop
08:30 – 10:30
Chairman Adam Maj

08:30 – 09:00	IT	**Takaharu Otsuka** University of Tokyo	Prevailing triaxiality in nuclear shapes
09:00 – 09:30	IT	**Mark Riley** Florida State University	Systematics of band termination at high-spin in N∼90 nuclei
09:30 – 10:00	IT	**Costel Petrache** Université Paris-Saclay, IJCLab, Orsay	Chirality, wobbling and oblate rotation
10:00 – 10:30	IT	**Elena Litvinova** Western Michigan University	Reconciling collectivity, finite temperature and deformation in the relativistic nuclear field theory
10:30 – 11:00	**Coffee Break**		

Nuclear Collectivity Workshop
11:00 – 13:00
Chairman Adam Maj

11:00 – 11:30	IT	**Xavier Roca-Maza** University of Milan and INFN Section of Milan	Nuclear equation of state from nuclear collective excited state properties
11:30 – 12:00	IT	**Muhsin Harakeh** University of Groningen	Isoscalar Giant Resonances – experiments with radioactive beams and storage rings
12:00 – 12:30	IT	**Umesh Garg** University of Notre Dame	Nuclear Incompressibility: Does it depend on nuclear structure?
12:30 – 13:00	IT	**Franco Camera** University of Milan and INFN Section of Milan	Isospin mixing in medium mass nuclei

14:00 – 18:00	**Hiking trip**
18:00 – 19:00	**Dinner**

Nuclear Collectivity Workshop
19:00 – 21:15
Chairman Muhsin Harakeh

19:00 – 19:20	IT	**Katarzyna Mazurek** IFJ PAN Kraków	The pre-equilibrium emission of light charged particles and the GDR strength functions
19:20 – 19:40	IT	**Michał Ciemała** IFJ PAN Kraków	Feeding of the isomers of different deformations via GDR gamma decay studied with nuBall + PARIS
19:40 – 20:00	IT	**Natalia Cieplicka-Oryńczak** IFJ PAN Kraków	M4 resonances in light nuclei studied at CCB
20:00 – 20:15	S	**Barbara Wasilewska** University of Cologne	The systematic study of Pygmy Dipole States in ^{40,44,48}Ca induced in the (p,p′γ) reaction
20:15 – 20:30	S	**Florian Kluwig** University of Cologne	Investigation of low-lying dipole excitations with real photon-scattering experiments
20:30 – 20:45	S	**Maria Markova** University of Oslo	Evolution of the Pygmy Dipole Resonance in Sn Isotopes
20:45 – 21:00	S	**Virender Ranga** Indian Institute of Technology Roorkee	Measurements of γ-rays from $^{16}\mathrm{O}(p,p'\gamma)^{16}\mathrm{O}$ reaction
21:00 – 21:15		**Mark Riley** Florida State University	Ben Mottelson and Bent Herskind - memories

Tuesday, 30th of August

Nuclear Astrophysics Workshop
08:30 – 10:00

08:30 – 09:00	IT	**Iris Dillmann** TRIUMF, Vancouver	The TRISR project – a storage ring for neutron captures on radioactive nuclei
09:00 – 09:30	IT	**Sakib Rahman** University of Manitoba	Constraints on neutron-star radii from laboratory experiments
09:30 – 09:45	S	**Karolina Kolos** Lawrence Livermore National Laboratory, Livermore	Isomer studies for r-process nucleosynthesis
09:45 – 10:00	S	**Andras Vitéz-Sveiczer** Institute for Nuclear Research ATOMKI, Budapest	Beta-decay properties of neutron-rich lanthanides and the formation of the rare-earth peak

Special Lecture

10:00 – 10:30	IT	**Marek Lewitowicz** GANIL, Caen and NuPECC	NuPECC Long Range Plan 2024 for nuclear physics in Europe
10:30 – 11:00	**Coffee Break**		

Super Heavy Elements
11:00 – 13:00

11:00 – 11:10		**Krzysztof Rykaczewski** Oak Ridge National Laboratory	Introdution to SHE
11:10 – 11:40	IT	**Dieter Ackermann** GANIL, Caen	Nuclear isomers in the heaviest nuclei and the odd nucleon as a sensitive probe of low-lying nuclear structure
11:40 –12:10	IT	**Hideyuki Sakai** RIKEN Nishina Center	Facility upgrade for SHE research at RIKEN
12:10 – 12:30	S	**Michał Kowal** National Centre for Nuclear Research, Warsaw	New possibilities for production of super-heavy nuclei

12:30 – 12:45	S	**Masaomi Tanaka** RIKEN Nishina Center	Optimal energy for element 119 synthesis via ^{51}V + ^{248}Cm reaction probed by quasielastic barrier distribution measurement
12:45 – 13:00	S	**Janusz Skalski** National Centre for Nuclear Research, Warsaw	High-K ground states & isomers in superheavy nuclei
13:00 – 14:00	**Lunch**		

Parallel Sesion A
16:00 – 18:00

16:00 – 16:15	S	**Tomasz Cap** National Centre for Nuclear Research, Warsaw	Diffusion as a possible mechanism controlling the production of superheavy nuclei in cold and hot fusion reactions
16:15 – 16:30	S	**Rikel Chakma** GANIL, Caen	Status of the SIRIUS detector array and investigation of the properties of ^{252}Fm
16:30 – 16:45	S	**Ablaihan Utepov** GANIL, Caen	Multinucleon transfer reactions in the ^{238}U+^{238}U system studied with the VAMOS + AGATA + ID-Fix
16:45 – 17:00	S	**Kieran Kessaci** Strasbourg University	Spectroscopic studies of the neutron-rich $^{255/256}$No
17:00 – 17:15	S	**Anna Zdeb** Maria Curie-Skłodowska University, Lublin	Multidimensional PES in spontaneous fission
17:15 – 17:30	S	**Daniel Fernández** University of Santiago de Compostela	Experimental study of high-energy fission and quasi-fission dynamics with fusion-induced fission reactions at VAMOS++
17:30 – 17:45	S	**Jorge Romero** University of Jyväskylä	Nuclear reaction studies at MARA focusing on prospects for the new MARA-LEB facility
17:45 – 18:00	S	**Andrew Briscoe** University of Jyväskylä	Discovery of ^{160}Os & ^{156}W, and increasingly sensitive spectroscopy of the most neutron-deficient N=84 isotones
18:00 – 19:00	**Dinner**		

Parallel Sesion B
16:00 – 18:00

16:00 – 16:15	S	**Julgen Pellumaj** INFN Laboratori Nazionali di Legnaro	Lifetime measurements for nuclei in the $f_{7/2}$ shell using the AGATA spectrometer
16:15 – 16:30	S	**Line Gaard Pedersen** University of Oslo	First spectroscopy of neutron rich odd-odd ^{74,76,78}Cu
16:30 – 16:45	S	**Kseniia Rezynkina** INFN Section of Padova	Structure of ^{83}As, ^{85}As and ^{87}As: from semi-magicity to γ-softness
16:45 – 17:00	S	**Desislava Kalaydjieva** IRFU, CEA Saclay, Université Paris-Saclay	Multiple shape coexistence in ^{100}Zr
17:00 – 17:15	S	**Giorgia Pasqualato** IJCLab, Université Paris-Saclay, Orsay	Lifetime measurements in ^{105}Sn: nuclear structure studies close to the N=Z=50 shell closure
17:15 – 17:30	S	**Aurora Ortega Moral** LP2iB, Bordeaux	Neutron-deficient exotic decays in the ^{48}Ni region with ACTAR TPC
17:30 – 17:45	S	**Magdalena Kuich** University of Warsaw	Active target TPC for study of photonuclear reactions at astrophysical energies
17:45 – 18:00	S	**Adam Kubiela** University of Warsaw	Neutron deficient Zn isotopes studied with the Optical TPC detector
18:00 – 19:00	**Dinner**		

CAEN educational kit presentation
&
POSTER SESSION
19:00 – 21:30

Wednesday, 31st of August

Structure of Exotic Nuclei Workshop
08:30 – 13:15

08:30 – 09:00	IT	**Silvia Leoni** University of Milan and INFN Section of Milan	Gamma-ray spectroscopy of bound and unbound states in B, C, N and O isotopes as a test-bench of nuclear structure theory
09:00 – 09:30	IT	**Sean Freeman** CERN & University of Manchester	Transfer reactions with solenoidal spectrometers
09:30 – 10:00	IT	**Hans Fynbo** Aarhus University	Experiments on light nα nuclei ^{8}Be, ^{12}C and ^{16}O
10:00 – 10:15	S	**Paul Garrett** University of Guelph	$E0$ transitions in ^{188}Hg and evidence of multiple shape coexistence
10:15 – 10:30	S	**Magda Zielińska** IRFU, CEA, Université Paris-Saclay	Quadrupole and octupole collectivity in ^{96}Zr from Coulomb-excitation studies with the Q3D magnetic spectrograph
10:30 – 11:00	**Coffee Break**		
11:00 – 11:30	IT	**Gerda Neyens** KU Leuven	Recent highlights from high-resolution laser spectroscopy studies at ISOLDE
11:30 – 12:00	IT	**Daniel Hoff** LLNL, Livermore	A crack in nuclear mirror symmetry
12:00 – 12:30	IT	**Deuk Soon Ahn** CENS, Institute for Basic Science, Daejeon	Location of the Neutron Dripline at F, Ne, and Na
12:30 – 12:45	S	**Noritaka Kitamura** University of Tennessee	First beta-delayed neutron spectroscopy of ^{24}O
12:45 – 13:00	S	**Clement Delafosse** Université Paris-Saclay, IJCLab, Orsay	First trap-assisted decay spectroscopy of the ^{81}Ge ground state
13:00 – 13:15	S	**Premaditya Chhetri** KU Leuven	First observation of the radiative decay of ^{229}Th low-lying isomer: recent results from ISOLDE

14:00 – 18:00	**Hiking trip**
18:00 – 19:00	**Dinner**

19:00 – 19:30	IT	**Fedir Ivanyuk** Institute for Nuclear Research, Kyiv; **Krzysztof Pomorski** Maria Curie Skłodowska University, Lublin	The fission observables of heavy and super-heavy nuclei
19:30 – 20:00	IT	**Nicholas Keeley** National Centre for Nuclear Research, Otwock	Near-barrier elastic scattering of ^{17}Ne from ^{208}Pb
20:00 – 20:30	IT	**Pietro Spagnoletti** Simon Fraser University, British Columbia	Experimental investigations of octupole collectivity in atomic nuclei
20:30 – 21:00	IT	**Giacomo De Angelis** INFN Laboratori Nazionali di Legnaro	Shell Structure of the very n-rich Ni isotopes and the REMO project
21:00 – 21:15	S	**Wojciech Satuła** University of Warsaw	Charge-dependent DFT: formalism and selected applications
21:15 – 21:30	S	**Arnoldas Deltuva** Vilnius University	New developments in the description of four-nucleon continuum

Thursday, 1st of September

08:30 – 09:00	IT	**Martin Freer** University of Birmingham	Insights into the structure of light nuclei
09:00 – 09:30	IT	**Marek Płoszajczak** GANIL, Caen	Nuclear physics at the edge of stability
09:30 – 10:00	IT	**Gaute Hagen** Oak Ridge National Laboratory	Recent progress in *ab-initio* computations of nuclei
10:00 – 10:30	IT	**Jacek Golak** Jagiellonian University	Few-nucleon Ssystems for nuclear physics
10:30 – 11:00	**Coffee Break**		
11:00 – 19:00	**Excursion**		
19:00 – 23:00	**Regional Dinner**		

Friday, 2nd of September

NUSTAR and APPA at FAIR Workshop
08:30 – 13:15

08:30 – 09:00	IT	**Paolo Giubellino** FAIR/GSI, Darmstadt	FAIR, the Universe in the Lab
09:00 – 09:30	IT	**Giovanna Benzoni** INFN Section of Milan	Recent results from the DESPEC campaign at GSI
09:30 – 10:00	IT	**Thomas Stöhlker** Helmholtz-Institut Jena	Physics program of the SPARC collaboration at FAIR: quantum dynamics in extreme electromagnetic fields
10:00 – 10:30	IT	**Yury Litvinov** GSI, Darmstadt	Precision experiments with heavy-ion storage rings
10:30 – 11:00	**Coffee Break**		
11:00 – 11:30	IT	**Yoshiki Tanaka** RIKEN Cluster for Pioneering Research	WASA-FRS experiments in FAIR Phase-0 at GSI
11:30 – 12:00	IT	**Haik Simon** GSI, Darmstadt	Experiments: from ALADIN-LAND to R^3B at GSI and FAIR
12:00 – 12:15	S	**Jianwei Zhao** GSI, Darmstadt	Studies of exotic nuclei with the FRS Ion Catcher at GSI
12:15 – 12:30	S	**Jose Luis Rodríguez-Sánchez** Universidad de Santiago de Compostela	Nuclear fission studies in inverse kinematics with the R^3B setup at the GSI-FAIR facility
12:30 – 12:45	S	**Marta Polettini** University of Milan	Search for octupole deformation in A$\sim$225 Po-Fr nuclei
12:45 – 13:00	S	**Aleksandrina Yaneva** GSI, Darmstadt	Lifetime measurement below the 14^+ isomer in ^{94}Pd
13:00 – 13:15	S	**Victor Guadilla** University of Warsaw	Results of DTAS campaign at IGISOL: overview

14:00 – 18:00	**Hiking trip**
18:00 – 19:00	**Dinner**

Parallel Sesion C
19:00 – 20:30

19:00 – 19:15	S	**Corinna Henrich** Technische Universität Darmstadt	Coulomb excitation of ^{142}Xe
19:15 – 19:30	S	**Ishtiaq Ahmed** IUAC, New Delhi	Probing quadrupole collectivity in N=38 ^{68}Zn isotope
19:30 – 19:45	S	**Jordan Reilly** University of Manchester	The first charge radii measurements of ^{33,34}Al transitioning into the N = 20 island of inversion
19:45 – 20:00	S	**Alejandro Ortiz-Cortes** GANIL, Caen	Collinear laser spectroscopy on the palladium isotopic chain
20:00 – 20:15	S	**Bram van den Borne** KU Leuven	Approaching N=82 through silver using laser spectroscopy
20:15 – 20:30	S	**Michail Athanasakis-Kaklamanakis** CERN, Geneva	Nuclear-structure studies with laser spectroscopy of radioactive molecules

Parallel Sesion D
19:00 – 20:30

19:00 – 19:15	S	**Eliana Masha** Helmholtz-Zentrum Dresden-Rossendorf	Study of the $^{20}\mathrm{Ne}(\mathrm{p},\gamma)^{21}\mathrm{Na}$ reaction at LUNA
19:15 – 19:30	S	**Deni Nurkić** University of Zagreb	Cluster states in ^{14}C and ^{15}C studied with the ^{10}Be+^{9}Be reactions
19:30 – 19:45	S	**Giacomo Corbari** University of Milan	Gamma decay from the near-neutron-threshold 2^+ state in ^{14}C: a probe of collectivization phenomena in light nuclei
19:45 – 20:00	S	**Nikola Vukman** Ruđer Bošković Institute, Zagreb	Helium clustering in neutron-rich Be isotopes
20:00 – 20:15	S	**Monika Piersa-Siłkowska** CERN, Geneva	First β-decay spectroscopy of ^{135}In and new β-decay branches of ^{134}In
20:15 – 20:30	S	**Lama Al Ayoubi** University of Jyväskylä	Beta decays of ^{82,83}Ga studied at the ALTO facility

Saturday, 3rd of September

08:30 – 09:00	IT	**Kathrin Wimmer** GSI, Darmstadt	In-beam gamma-ray spectroscopy with HiCARI
09:00 – 09:30	IT	**Jose Javier Valiente-Dobón** INFN Laboratori Nazionali di Legnaro	The gamma-ray tracking array AGATA at LNL
09:30 – 10:00	IT	**Herve Savajols** GANIL, Caen	The Super Separator Spectrometer (S^3) for the very high intensity beams of SPIRAL2
10:00 – 10:30	IT	**Jonathan Wilson** IJC Lab, Orsay	Gamma-ray spectroscopy of nuclear fission
10:30 – 10:45	S	**Grzegorz Jaworski** Heavy Ion Laboratory, University of Warsaw	NEEDLE — fast neutron detection in the service of the gamma spectroscopy of neutron-deficient nuclei at HIL
10:45 – 11:15	**Coffee Break**		
11:15 – 11:45	IT	**Marek Pfützner** University of Warsaw	Exotic decays with emission of charged particles
11:45 – 12:00	S	**Konrad Czerski** University of Szczecin	Branching ratio of the deuteron-deuteron threshold resonance in ^{4}He
12:00 – 12:15	S	**Martin Venhart** Institute of Physics, SAS, Bratislava	Nuclear structure of ^{181,183}Au isotopes studied via β^+/EC decays of ^{181,183}Hg at ISOLDE
12:15 – 12:35	IT	**Krzysztof Rykaczewski** Oak Ridge National Laboratory	Beta-decay studies with the Modular Total Absorption Spectrometer

Closing Lecture

12:45 – 13:15	IT	**Philippe Chomaz** CEA, France	Qantum Computing - one of hot topics in science
13:15 – 13:30	**Closing**		
14:00 – 19:00	**Hiking trip**		
19:00	**Conference BANQUET**		

Sunday, 4th of September

7:30	**Breakfast**
9:00 – 10:00	**Departure to Kraków**