

ARIS2014 Program of Parallel Sessions

(as of June 1)

date	session	time	speaker	title	
Friday, June 2	Parallel-1 (14:30-16:30)			1A: Nuclear Structure I (Ito Hall) [chair : Takashi Nakaumura]	
		14:30	Yanlin Ye (Pecking Univ.)	Clustering in ^{12}Be : Determination of Enhanced Monopole Strength	
		14:45	Rituparna Kanungo (Saint Mary's Univ.)	New Evidence of Low-Lying Resonances in ^{11}Li through Inelastic Scattering Reactions Using Solid H_2 and D_2 Targets	
		15:00	Kouichi Hagino (Tohoku Univ.)	Two-Nucleon Correlations in the Decay of Unbound Nuclei beyond the Drip Lines	
		15:15	F. M. Marques (LPC-Caen)	Structure beyond the Dripline in the Boron Isotopes: $^{16,18,20,21}\text{B}$	
		15:30	Shoichiro Kawase (CNS, Univ. of Tokyo)	Spectroscopy of Single-Particle States in Oxygen Isotopes via (pol p, 2p) Reaction	
		15:45	Gemma Wilson (Univ. of York)	Investigating Single-Particle Structure in ^{26}Na Using the New SHARC Array	
		16:00	Nobuaki Imai (KEK)	Quenched Spectroscopic Factors for Low-Lying Positive Parity States in ^{31}Mg	
		16:15	S. Grevy (CENBG-IN2P3-CNRS)	Properties of Low-Lying Intruder States in ^{34}Al and ^{34}Si Populated in the Beta-Decay of ^{34}Mg	
					1B: Mass and Ground-State Properties (Session Room 1) [chair : Nigel Orr]
		14:30	Aaron Gallant (TRIUMF / Univ. of British Columbia)	Breakdown of the Isobaric Multiplet Mass Equation in $A=20,21$	
		14:45	M. MacCormick (IPN Orsay, CNRS/IN2P3)	Beyond the Isobaric Multiplet Mass Equation	
		15:00	Deyan Yordanov (IPN Orsay)	Spins, Moments, and Radii of $^{100-130}\text{Cd}$ by High-Resolution Laser Spectroscopy	
		15:15	Enrique Minaya Ramirez (HIM / GSI)	Neutrino-related Nuclear Mass Difference Measurements with a Few 10 eV Uncertainty at SHIPTRAP	
		15:30	Shin Watanabe (Kyushu Univ.)	Ground-State Properties of Mg Isotopes in and beyond the Island of Inversion through Reaction Cross Sections	
		15:45	Masaaki Kimura (Hokkaido Univ.)	Erosion of $N=28$ Shell Gap and Triple Shape Coexistence in the Vicinity of ^{44}S	
		16:00	Masaomi Tanaka (Osaka Univ.)	Reaction Cross Sections of ^{14}B and ^8He on Proton Targets for the Separation of Proton and Neutron Density Distributions	
		16:15	Isao Tanihata (Beihang Univ. / RCNP, Osaka Univ.)	Proton radius of ^{14}Be from measurement of charge changing cross sections	
					1C: Astro- and Fundamental Physics (Session Room 2) [chair : Toshitaka Kajino]
		14:30	Mariano C. Gallardo (IEM, CSIC)	Constraining the Astrophysical S-Factor of the $^3\text{He}(\alpha, \gamma)^7\text{Be}$ Reaction	
		14:45	Catherine M. Deibel (Louisiana State Univ.)	Studies of X-Ray Burst Alpha,p-Process Waiting Points Using Radioactive Ion Beams at ATLAS	
		15:00	Toshio Suzuki (Nihon Univ.)	Electron-Capture Rates for Exotic Nuclei at Stellar Environments	
		15:15	Shota Shibagaki (Univ. of Tokyo)	R-Process in Neutron Star Merger with a New Fission Model	
		15:30	Tomoya Sato (Tokyo Tech.)	^{129}Xe EDM Search Experiment Using Active Nuclear Spin Maser	
		15:45	Alex Laffoley (Univ. of Guelph)	High-precision Half-Life Measurements for the Superallowed Fermi Beta Emitters ^{14}O and ^{18}Ne	
		16:00	Hyo-In Park (Texas A&M Univ.)	The Beta Decay of ^{38}Ca : Sensitive Test of Isospin Symmetry-Breaking Corrections from Mirror Superallowed 0^+ -to- 0^+ Transitions	
		16:15	Nobuo Hinohara (Univ. of North Carolina)	Effect of Fluctuations of Quadrupole Deformation and Neutron-Proton Correlations on Double-Beta Decay Nuclear Matrix Element	

		2A: Nuclear Structure II (Ito Hall) [chair : Susumu Shimoura]
17:00	Shin'ichiro Michimasa (CNS, Univ. of Tokyo)	Proton Inelastic Scattering on Island-of-Inversion Nuclei
17:15	Hiroshi Watanabe (Beihang Univ.)	The Nature of a Shell Closure at N=82 Explored with Seniority and Spin-Gap Isomers in Neutron-Rich Palladium and Silver Isotopes
17:30	Thorsten Kröll (IKP, TU Darmstadt)	Quadrupole collectivity in neutron-rich Cd isotopes
17:45	Anna Corsi (CEA Saclay)	Shell Evolution towards ^{100}Sn
18:00	Stoyanka Ilieva (IKP, TU Darmstadt)	Lifetime Measurements in Neutron-Rich Xe Isotopes — Evolution of Quadrupole Collectivity beyond ^{132}Sn
18:15	Nele Kesteloot (KU Leuven)	Investigating Shape Coexistence with Coulomb Excitation above and below Z=82
18:30	Janne Pakarinen (Univ. of Jyväskylä)	Shapes and Collectivity in Neutron-Deficient Even Mass $^{188-198}\text{Pb}$ Isotopes
18:45	Kosuke Nomura (GANIL)	Advances in the Microscopic Study of the Interacting Boson Model
		2B: RI Beam Production and Developments of Experimental Devices (Session Room 1) [chair : David J. Morrisey]
17:00 (20 min)	Juha Äystö (Helsinki Institute of Physics)	Unique Spectrometer Experiments with the Super-FRS at FAIR
17:20	Jens Lassen (TRIUMF)	TRIUMF's Resonant Ionization Laser Ion Source & Ion Guide Laser Ion Source
17:35	Iain D. Moore (Univ. of Jyväskylä)	Current Status and Future Concepts for Laser Ionization at IGISOL and the MARA Recoil Separator
17:50	Jonathan Billowes (Univ. of Manchester)	The Collinear Resonance Ionization Spectroscopy (CRIS) Programme at ISOLDE
18:05	Takeshi Furukawa (Tokyo Metropolitan Univ.)	A Laser Spectroscopy Method Using Superfluid Helium for Measurements of Spins and Electromagnetic Moments in Exotic Nuclei
18:20	Daniel Bazin (MSU)	The Active Target Time Projection Chamber at NSCL
18:35	Nicole Larson (MSU / NSCL)	Development of a Planar Germanium Double-Sided Strip Detector for Beta-Decay Spectroscopy
		2C: Nuclear Reactions (Session Room 2) [chair : Daniel Baye]
17:00	V. V. Parkar (Bhabha Atomic Research Centre)	Exploring Coupling Effects in ^9Be Scattering and Fusion
17:15	M.J.G. Borge (ISOLDE-CERN)	Scattering of Halo Nuclei at Energies below and around the Coulomb Barrier
17:30	Nobuyuki Kobayashi (Univ. of Tokyo)	Spectroscopy of Neutron Halo States in the Region of Island of Inversion via Neutron Removal Reactions
17:45	Pierre Capel (Univ. Libre de Bruxelles)	Extending the Eikonal Approximation to Low Energy
18:00	Motonobu Takaki (CNS, Univ. of Tokyo)	Heavy-Ion Double-Charge Exchange Study via a $^{12}\text{C}(^{18}\text{O}, ^{18}\text{Ne})^{12}\text{Be}$ reaction
18:15	Freddy Flavigny (KU Leuven)	Structure of ^{68}Ni : New Insights on the Low-Lying 0^+ and 2^+ States from Two-Neutron Transfer on ^{66}Ni and Beta-Decay of ^{68}Co
18:30	Jose Benlliure (Univ. of Santiago de Compostela)	Nucleon Resonances for Nuclear Structure Research
18:45	Hideyuki Sakai (RIKEN)	Spin-isospin Correlation in Light Neutron Rich Nuclei

Friday, June 6	Parallel-3 (11:20 – 12:55)		3A: Facilities and Equipments (Ito Hall) [chair : Hiroyoshi Sakurai]	
		11:20	Michiharu Wada (RIKEN)	SLOWRI: a Universal Low-Energy RI-Beam Facility at RIKEN RIBF
		11:35	Kyle Leach (TRIUMF)	Low-Background In-trap Decay Spectroscopy with TITAN at TRIUMF
		11:50 (20 min)	Serge Franchoo (IPN Orsay)	ALTO, the Tandem and the e-Driven ISOL Facility in Orsay: Highlights and Future Plans
		12:10 (20 min)	Yong-Kyun Kim (IBS)	Status of the Rare Isotope Science Project (RISP)
		12:30 (20 min)	Sydney Gales (ELI-NP)	Nuclear Science and Applications with Next Generation of High Power Lasers and Brilliant Low Energy Gamma Beams at ELI-NP
				3B: Nuclear Structure III (Session Room 1) [chair : Tomohiro Uesaka]
		11:20	A.J. Mitchell (Univ. of Massachusetts Lowell)	First Gamma-Decay Studies with CARIBU Low-Energy Exotic Beams
		11:35	Hiro Iwasaki (NSCL / MSU)	Rapid Evolution of Collectivity at N=Z Recent Results from Level Lifetime Measurements with GRETINA
		11:50	Wojciech Satula (Univ. of Warsaw)	Beta-Decay Studies in N Approximately Equal to Z Nuclei Using No Core Configuration-Interaction Model
		12:05	M. Vandebrouck (GANIL)	Measurement of the Isoscalar Monopole Response in the Neutron-Rich ⁶⁸ Ni Using Active Target MAYA
		12:20	Kenichi Yoshida (Niigata Univ.)	Low-lying Gamow-Teller Excitations and Beta-Decay Properties of Neutron-Rich Zr Nuclei
		12:35	Markus Kortelainen (Univ. of Jyväskylä)	Nuclear Energy Density Optimization: UNEDF2
				3C: Nuclear Structure Theory (Session Room 2) [chair : Peter Ring]
		11:20 (20 min)	Jie Meng (Peking Univ.)	Progress for Nuclear Structure in Covariant Density Functional Theory
		11:40	Haozhao Liang (RIKEN)	Finite Amplitude Method in Covariant Density Functional Theory
		11:55	Thomas Neff (GSI)	Universal Realistic Nucleon-Nucleon Interactions for Low-Momentum Hilbert Spaces as Used in AMD, FMD, No-Core-Shell-Model
		12:10	Takatoshi Ichikawa (YITP, Kyoto Univ.)	Existence of Exotic Torus Isomer States and Their Precession Motions
		12:25	Luigi Coraggio (INFN Napoli)	Role of Three-Nucleon Forces in Neutron-Rich Nuclei beyond ¹³² Sn
	12:40	Carlo Barbieri (Univ. of Surrey)	Three-Nucleon Forces in Neutron Rich Isotopes	
			4A: Nuclear Structure IV (Ito Hall) [chair : William B. Walters]	
	14:30	David Steppenbeck (CNS, Univ. of Tokyo)	In-Beam Gamma-Ray Spectroscopy of Very Neutron-Rich N=32 and 34 Nuclei	
	14:45	Javier Menendez (TU Darmstadt)	Shell Evolution, Nuclear Spectroscopy and Theoretical Uncertainties in Neutron-Rich Calcium Isotopes Studied with 3N Forces	
15:00	Kathrin Wimmer (Central Michigan Univ.)	Single-Particle Structure of Neutron-Rich N=40 Isotopes		
15:15	Karolina Kolos (Univ. of Tennessee)	Study of the Single-Particle and Collective Nature of Excited States in ⁷² Ni with Direct Lifetime Measurements		

Parallel-4 (14:30 – 16:15)

15:30	Megumi Niikura (Univ. of Tokyo)	Study on Neutron-Rich Zn Isotopes via Beta-Gamma Spectroscopy
15:45	Giovanna Benzoni (INFN Milano)	Decay Spectroscopy around ^{78}Ni with the EURICA Setup
16:00	Marek Pfutzner (Univ. of Warsaw)	Extended Nuclear Landscape: the Territory of Two-Proton Radioactivity
		4B: Application and Nuclei Close to N=Z (Session Room 1) [chair : Koichiro Asahi]
14:30	Tetsuya K. Sato (JAEA)	The First Successful Determination of the First Ionization Potential of Lawrencium (Lr, Z=103)
14:45	Aleksandra Fijalkowska (Univ. of Warsaw)	First Total Absorption Spectroscopy Measurement of the Beta Decay of ^{139}Xe
15:00	Berta Rubio (IFIC, CSIC)	First Observation of Beta-Delayed Gamma-Proton Decay in the fp Shell, the Beta Decay of the $T_z=-2$ nucleus, ^{56}Zn
15:15	P. Egelhof (GSI)	First Nuclear Reaction Experiment with Stored Radioactive ^{56}Ni Beam and Internal Hydrogen and Helium Targets
15:30	Jose Antonio Briz Monago (IEM, CSIC)	Deformation of the N=Z Nucleus ^{72}Kr via Beta Decay
15:45	Silvia Lenzi (INFN Padova)	Isospin Symmetry Breaking in Coulomb Energy Differences
16:00	Koichi Sato (RIKEN)	Mean-Field Calculation Based on Proton-Neutron Mixed Energy Density Functionals
		4C: EOS and Heavy Nuclei (Session Room 2) [chair : Akira Iwamoto]
14:30	A. Chbihi (GANIL)	Exploring the Symmetry Energy with Isospin Effects in Heavy-Ion Collisions
14:45	Dao Tien Khoa (Institute for Nucl. Sci. & Tech.)	Charge-Exchange Scattering to the Isobaric Analog State and the Nuclear Symmetry Energy
15:00	Lars Ghys (KU Leuven)	A new Region of Multimodal Fission Identified in a Beta-Delayed Fission Study of $^{194,196}\text{At}$ and $^{200,202}\text{Fr}$ at ISOLDE
15:15	Katsuhisa Nishio (JAEA)	Mass Asymmetric Fission of Iridium Nucleus
15:30	Janusz Skalski (NCNR Warsaw)	Superheavy Nuclei — Structure, Isomers, Limits of Stability
15:45	Krzysztof Piotr Rykaczewski (ORNL)	Connecting the Hot Fusion Island to the Nuclear Mainland: Search for 283,284,285Fl Decay Chains
16:00	Shuichiro Ebata (Hokkaido Univ.)	Repulsive Aspects of Pairing Correlation in Nuclear Fusion Reaction