

French Japanese Symposium on Nuclear Structure Problems

Tuesday 04 January 2011

Welcome Reception (16:00-18:00)

Wednesday 05 January 2011

Opening (05 January 09:00-10:45)

- Conveners: Motobayashi, Tohru

time	title	presenter
09:00	Symposium opening (00h15')	
09:15	Nuclear Physics in France at GANIL (00h30')	GALES, Sydney
09:45	Nuclear physics in Japan and RIKEN Nishina center (00h30')	EN'YO, Hideto
10:15	Nuclear physics in France and IN2P3 (00h30')	MARTINO, Jacques

Coffee break (10:45-11:00)

Opening / Physics Opportunities in New Generation Facilities (05 January 11:00-12:30)

- Conveners: Gales, Sydney

time	title	presenter
11:00	Nuclear Physics in France at CEA/DSM/Irfu (00h30')	ALAMANOS, Nicolas
11:30	Nuclear physics programs at RIBF (00h30')	SAKURAI, Hiroyoshi
12:00	Physics opportunities and status of the SPIRAL2 Project (00h30')	LEWITOWICZ, Marek

Lunch (12:30-13:45)

France Japan Collaboration 1 (05 January 13:45-15:15)

- Conveners: Alamanos, Nicolas

time	title	presenter
13:45	Exploration of the low-lying resonances of near-dripline nuclei: the $^{6,7,8}\text{He}$ and $^{22,24}\text{O}$ cases. (00h30')	LAPOUX, Valerie
14:15	High-resolution ion-optical analysis of RI beams with the SHARAQ spectrometer (00h30')	UESAKA, Tomohiro
14:45	Nuclear moments of micro-second isomeric fragment at BigRIPS (00h30')	DAUGAS, Jean-Michel

Coffee break (15:15-15:30)

France Japan Collaboration 2 (05 January 15:30-16:45)

- Conveners: Korten, Wolfram

time	title	presenter
15:30	Production of spin-aligned RI beams via the two-step fragmentation reaction (00h30')	UENO, Hideki
16:00	Recent studies of transfer reactions with MUST2 at GANIL and RIKEN (00h30')	BEAUMEL, Didier
16:30	Lifetime measurement of 2^+_1 states in ^{74}Zn using differential plunger technique at GANIL (00h15')	NIKURA, Megumi

Coffee break (16:45-17:00)

Nuclear Structure 1 (05 January 17:00-18:15)

- Conveners: Otsuka, Takaharu

time	title	presenter
17:00	Towards petascale nuclear-structure calculation: shell-model case (00h30')	UTSUNO, Yutaka
17:30	Recent progress of nuclear density functional calculations - towards next-generation supercomputer - (00h30')	INAKURA, Tsunenori
18:00	Tensor correlations and Spin Dependent excitations (00h15')	SAGAWA, Hiroyuki

Thursday 06 January 2011

Nuclear Structure 2 (06 January 09:00-10:45)

- Conveners: Sakurai, Hiroyoshi

time	title	presenter
09:00	Systematic study of the many-particle and many-hole states in and around the Island of Inversion (00h30')	KIMURA, Masaaki
09:30	Coexistence of various deformed states and α clustering in ^{42}Ca (00h15')	TANIGUCHI, Yasutaka
09:45	Tops-on-top model for triaxially strongly deformed bands in even-A nuclei (00h15')	SUGAWARA-TANABE, Kazuko
10:00	Structure beyond the neutron drip-line: ^9He (00h15')	GIBELIN, Julien
10:15	Tensor correlation in light nuclei studied with the tensor optimized shell model (00h15')	MYO, Takayuki
10:30	Symmetry Energy, Pairing correlations in Nuclear Matter and Giant Resonances in Tin Isotopes (00h15')	CHEOUN, Myung Ki

Coffee break (10:45-11:00)

Experimental Studies on Exotic Nuclei 1 (06 January 11:00-12:30)

- Conveners: Azaiez, Faïçal

time	title	presenter
11:00	Two-proton radioactivity as a tool of nuclear structure (00h30')	BLANK, Bertram
11:30	The $^{14}\text{Be}(p,n)^{14}\text{B}$ reaction at 69 MeV in inverse kinematics (00h15')	SATOU, Yoshiteru
11:45	Exploring Mg Isotope Structures through Beta-Delayed Decay of Spin-Polarized Na Isotopes (00h15')	SHIMODA, Tadashi
12:00	A New Method to Explorer High-Spin States by RI Beam Induced Fusion Reaction (00h15')	ODAHARA, Atsuko
12:15	The super-allowed Fermi type charge exchange reaction for studies of isovector non-spin-flip monopole resonance (00h15')	SASAMOTO, Yoshiko

Symposium Photo (12:30-12:50)

Lunch (12:50-14:05)

Studies with Novel Equipment 1 (06 January 14:05-15:40)

- Conveners: Rousseau, Marc

time	title	presenter
14:05	MINOS: a proton target - vertex tracker device for the gamma spectroscopy of very exotic nuclei (00h30')	OBERTELLI, Alexandre
14:35	Elastic scattering of protons with RI beams (00h25')	ZENIHIRO, Juzo
15:00	Active target ACTAR for the low energy short lived radioactive beams (00h25')	NALPAS, Laurant
15:25	Studies of spin-dependent interactions in unstable nuclei with solid polarized proton target (00h15')	SAKAGUCHI, Satoshi

Coffee break (15:40-15:55)

Astrophysics (06 January 15:55-17:35)**- Conveners: Lewitowicz, Marek**

time	title	presenter
15:55	Supernova nucleosynthesis, neutrino oscillation, and nuclear weak interactions (00h30')	KAJINO, Toshitaka
16:25	KEK isotope separation system for β -decay spectroscopy of r-process nuclei (00h25')	WATANABE, Yutaka X.
16:50	Spin Modes in Nuclei and Applications to Astrophysical Processes (00h15')	SUZUKI, Toshio
17:05	New Insight into Photonuclear Reactions and Explosive Nucleosynthesis (00h15')	MATHEWS, Grant J.
17:20	Proton-capture nucleosynthesis in neutrino-driven supernova explosions (00h15')	WANAJO, Shinya

RIBF Facility Tour (06 January 17:35-18:20)**LIA Steering Committee meeting (06 January 18:00-20:00)****Closed within Steering Committee members**

Friday 07 January 2011

Nuclear Structure 3 (07 January 09:00-10:30)

- Conveners: Grasso, Marcella

time	title	presenter
09:00	Presentation of the ALTO facility - Production of RIB by photofission - (00h30')	IBRAHIM, Fadi
09:30	Systematic study of E1 mode using Canonical-basis TDHFB (00h15')	EBATA, Shuichiro
09:45	Unified studies of even Be isotopes from bounds to continuums (00h15')	ITO, Makoto
10:00	Triaxial Nuclear Molecule $^{28}\text{Si} - ^{28}\text{Si}$ in Resonances (00h15')	UEGAKI, Eiji
10:15	Black-sphere approximation to nuclei and its application to reactions with neutron-rich nuclei (00h15')	KOHAMA, Akihisa

Coffee break (10:30-10:45)

Studies with Novel Equipment 2 (07 January 10:45-12:25)

- Conveners: Blank, Bertram

time	title	presenter
10:45	The DESIR facility at SPIRAL2 (00h25')	THOMAS, Jean-Charles
11:10	Electron Scattering - towards Hofstadter's experiments for exotic nuclei - (00h25')	SUDA, Toshimi
11:35	The super separator spectrometer S3 – Physics Avenues (00h25')	SAVAJOLS, Herve
12:00	Pushing the limits of spectroscopy with S3 (00h25')	GALL, Benoit

Lunch (12:25-13:40)

Studies with Novel Equipment 3 (07 January 13:40-15:20)

- Conveners: Uesaka, Tomohiro

time	title	presenter
13:40	Physics Highlights with the LISE3 spectrometer at GANIL (00h25')	GREVY, Stephane
14:05	Status and overview of the BigRIPS in-flight separator at RIKEN RI beam factory (00h25')	OHNISHI, Tetsuya
14:30	SAMURAI - A large-acceptance spectrometer in RIBF - (00h25')	YONEDA, Ken-ichiro
14:55	VAMOS: "Hot" news and perspectives (00h25')	SCHMITT, Cristelle

Coffee break (15:20-15:35)

Fusion and Fission (07 January 15:35-17:15)

- Conveners: Hagino, Kouichi

time	title	presenter
15:35	Multi-nucleon transfer governed by the dynamics of charge equilibration (00h30')	IWATA, Yoritaka
16:05	A recent measurement of the $^{11}\text{Be} + ^{64}\text{Zn}$ quasi-elastic scattering angular distribution (00h25')	ALAMANOS, Nicolas
16:30	A la recherche analytique de la fusion entravee Analytical study of the fusion hindered (00h15')	ABE, Yasuhisa

16:45	Fission Yields calculated from Dynamics on Five-Dimensional Potential energy surfaces (00h15')	MOLLER, Peter
17:00	Digital electronics for γ -ray spectroscopy - the path to low cross-sections : First evidence of a rotational band in ^{246}Fm (00h15')	PIOT, Julien

Symposium Banquet (18:00-20:00)

Saturday 08 January 2011

Nuclear Structure 4 (08 January 09:00-10:30)

- Conveners: Utsuno, Yutaka

time	title	presenter
09:00	Beyond-mean-field models for correlated nucleons. Applications of second random-phase approximation to ^{16}O and $^{40,48}\text{Ca}$. (00h30')	GRASSO, Marcella
09:30	Derivation of the Interacting Boson Model from mean-field theory (00h30')	NOMURA, Kosuke
10:00	Large-amplitude quadrupole collective dynamics in neutron-rich Mg and Cr isotopes (00h15')	HINOHARA, Nobuo
10:15	Microscopic description of large-amplitude collective motions with local QRPA inertial masses (00h15')	SATO, Koichi

Coffee break (10:30-10:45)

Experimental Studies on Exotic Nuclei 2 (08 January 10:45-12:15)

- Conveners: Shimoura, Susumu

time	title	presenter
10:45	Proton resonance elastic scattering on light unstable nuclei (00h15')	TERANISHI, Takashi
11:00	Breakup of neutron rich nuclei and their exotic structures near the island of inversion (00h30')	NAKAMURA, Takashi
11:30	Invariant-mass spectroscopy of the unbound nucleus ^{13}Be (00h15')	KONDO, Yosuke
11:45	Gamow-Teller transitions in proton rich nuclei from the combined study of β -decay and charge-exchange reaction (00h30')	FUJITA, Yoshitaka

Lunch Box (12:15-13:30)

Studies with Novel Equipment 4 (08 January 13:30-15:10)

- Conveners: Nakamura, Takashi

time	title	presenter
13:30	Status and scientific perspectives of the AGATA spectrometer (00h25')	KORTEN, Wolfram
13:55	Recent gamma ray spectroscopy in RIBF (00h25')	SCHEIT, Heiko
14:20	Status of the PARIS project (00h25')	ROUSSEAU, Marc
14:45	CNS GRAPE for high-resolution spectroscopy of in-flight gamma decay (00h25')	SHIMOURA, Susumu

Coffee break (15:10-15:25)

Closing (08 January 15:25-15:55)

- Conveners: Roussel-Chomaz, Patricia

time	title	presenter
15:25	Final Remark (00h30')	OTSUKA, Takaharu