

第8回クラスター階層領域研究会

2023.2.7版

2023/2/9 (Thu)					Chair
10:00	10:15	Takashi Nakamura	Tokyo Tech	Welcome Address	K. Shigaki
10:15	10:45	Satoshi Yano	Hiroshima Univ.	What the ALICE experiment has revealed over the past decade	
10:45	11:15	Taku Gunji	The Univ. of Tokyo	Future prospects of quark cluster physics with ultra-relativistic heavy-ions	
11:15	11:35	Akira Ohnishi	YITP, Kyoto Univ.	Femtoscopia for hadron-hadron interactions	
11:35	11:55	Makoto Oka	ASRC, JAEA	Cluster of quarks in hadrons	
11:55	12:15	Hiroyuki Fujioka	Tokyo Tech	Preparation Status of Decay Pion Spectroscopy Experiment on Double-Lambda Hypernuclei	
12:15	13:15	Lunch			
13:15	13:35	Masaaki Kimura	RIKEN	Theoretical study of cluster decay from photonuclear reactions and its application to the ultra high energy cosmic rays	H. Ohnishi
13:35	13:55	Kouichi Hagino	Kyoto Univ.	Shape evolution in atomic nucleus and clustering	
13:55	14:25	Kazuya Aoki	KEK	Experimental study on the spectral change of vector mesons in nuclear medium at J-PARC	
14:25	14:45	Tomonori Takahashi	RIKEN	Development of continuous readout electronics for precise measurement of dielectron spectra at J-PARC	
14:45	15:05	Break			
15:05	15:35	Tomofumi Nagae	Kyoto Univ.	Perspectives of strangeness nuclear physics with S-2S	H. Tamura
15:35	16:05	Yudai Ichikawa	JAEA	Study of hadron cluster by using HypTPC detectors	
16:05	16:35	Takeshi Yamamoto	JAEA	Status and prospects of Xi-atomic X-ray spectroscopy at J-PARC	
16:35	16:55	Tadashi Hashimoto	JAEA	Lifetime measurement of light hypernuclei at J-PARC	
16:55	17:10	Fumiya Oura	Tohoku Univ.	Study on light hypernuclei by a triple coincidence method in gamma-ray spectroscopy	
2023/2/10 (Fri)					Chair
9:30	10:00	Takashi Nakamura	Tokyo Tech	Multi-neutron clusters	Y. Kondo
10:00	10:30	Kimiko Sekiguchi	Tokyo Tech	Few-nucleon scattering and three-nucleon forces	
10:30	10:50	Masanori Dozono	Kyoto Univ.	Study of pair vibrations as an elementary nuclear mode using the (α , ^6He) reaction	
10:50	11:10	Break			
11:10	11:30	Ryotaro Honda	KEK	Development of beam TOF system for high statistic Λp scattering experiment	H. Ohnishi
11:30	11:50	Natsuki Tomida	Kyoto Univ.	Study of inner structure of hadrons within partonic view	
11:50	12:10	Takahiro Doi	RCNP, Osaka Univ.	Baryon-baryon interactions by the HAL QCD method on lattice	
12:10	13:10	Lunch			
13:10	13:40	Kotaro Shirotori	RCNP, Osaka Univ.	Investigation of hadron effective degrees of freedom from charmed baryon spectroscopy experiment at J-PARC	M. Horikoshi
13:40	14:00	Takatsugu Ishikawa	RCNP, Osaka Univ.	Trials to determine the eta-nucleon and phi-nucleon low-energy scattering parameters	
14:00	14:20	Florian Schaefer	Kyoto Univ.	Prospects and experiments with Er Li large mass-imbalance mixtures	
14:20	14:35	Taiki Ishiyama	Kyoto Univ.	Insights into new physics and nuclear physics from precise isotope shift measurements	
14:35	14:50	Kantaro Honda	Kyoto Univ.	Quantum Simulation of Three-Body Forces in an Optical Lattice Using Feshbach Resonance	
14:50	15:05	Shunpei Iwasaki	Keio Univ.	The spatial and time structure of the odd-frequency Cooper pair wave-function	
15:05	15:25	Break			
15:25	15:50	Yoshiko Kanada	Kyoto Univ.	Progress report on nuclear clustering	A. Hosaka
15:50	16:10	Kazuyuki Ogata	Kyusyu Univ.	Towards the observation of unbound clusters	
16:10	16:30	Hidekatsu Nemura	YITP, Kyoto Univ.	Hyperon-nucleon potentials from lattice QCD	
16:30	16:45	Katsuyoshi Sone	Tokyo Metropolitan Univ.	Near-threshold hadron scattering using effective field theory	
18:00	20:00	Conference Dinner 懇親会 (La Scena in Suita Campus, Osaka U. ラ・シェーナ, 吹田キャンパス内)			
2023/2/11 (Sat)					Chair
9:00	9:25	Yusuke Nishida	Tokyo Tech	Three-body force and beyond in one-dimensional cold atoms	Y. Takahashi
9:25	9:45	Munekazu Horikoshi	Osaka Metropolitan Univ.	Experimental evaluation of the Virial coefficients for Unitary Fermi gases	
9:45	10:05	Koki Manabe	Keio Univ.	Thermodynamics of a strongly-interacting Bose-Fermi mixture: Emergent deconfinement crossover and QCD-like phase diagram	
10:05	10:25	Hiroyuki Tajima	The Univ. of Tokyo	Three-body crossover of fermionic systems across the hierarchical structure	
10:25	10:45	Shimpei Endo	Tohoku Univ.	Universal behaviour of few- and many-body systems around the unitary limit	
10:45	11:05	Break			
11:05	11:30	Takaharu Otsuka	The Univ. of Tokyo	Cluster structure of atomic nuclei from ab initio perspectives	E. Hiyama
11:30	11:50	Yasuro Funaki	Kanto Gakuin Univ.	Formation of clusters and alpha condensate as a limiting case in low excitation energy region	
11:50	12:10	Shinsho Oryu	Tokyo Univ. of Science	Hierarchical Structure of Potential by Particle Transfer	
12:10	12:30	Shigeo Ohkubo	RCNP, Osaka Univ.	Supersolidity of alpha cluster structure in nuclei	
12:30	13:30	Lunch			
13:30	14:05	Emiko Hiyama	Tohoku Univ./RIKEN	Structure of nuclei and hadron systems from view point of few-body problem	T. Nakamura
14:05	14:25	Masayuki Asakawa	Osaka Univ.	Open Charm Mesons and QCD Critical Point	
14:25	14:40	Takashi Nakamura	Tokyo Tech	Closing Remarks	