

Parallel Session: Nuclear Physics

NP	Oct 20	Oct 21	Oct 22	Oct 23	Oct 24
Chair	Plenary Session				Chiho Nonaka
09:00-09:25					MinJung Kweon
09:25-09:50					Yongsun Kim
09:50-10:05					Jonghan Park
10:05-10:50	Break				
Chair	Plenary Session	Vandana Nanal	No NP	Shunji Nishimura	Plenary Session
10:50-12:10		Meng Wang 10:50-11:15		Ruirui Xu 10:50-11:15	
		Fangqi Chen 11:15-11:40		Atsushi Yamaguchi 11:15-11:40	
		Hiroshi Watanabe 11:40-11:55		Kwang-Yong Choi 11:40-12:05	
		Yosuke Kondo 11:55-12:10			
12:10-14:00	Lunch				
13:00-14:00	Poster				Departure
Chair	Tomohiro Uesaka	Yifei Niu	No NP	Po-Ju Lin	
14:00-15:30	Hongna Liu 14:00-14:25	Pengwei Zhao 14:00-14:25		Chiho Nonaka 14:00-14:25	
	Sunji Kim 14:25-14:50	Rudrajyoti Palit 14:25-14:50		Qinghua Xu 14:25-14:50	
	Akane Sakaue 14:50-15:15	Sushil Sharma 14:50-15:05		Weihsu Ma 14:50-15:15	
	Qian Wu 15:15-15:30	Jianwei Cai 15:05-15:20		Kadry G. Gulamov 15:15-15:30	
15:30-16:00	Break				
Chair	Byungsik Hong	Bing Guo	No NP	Yongsun Kim	
16:00-17:40	Wenlong Zhan 16:00-16:20	Yangping Shen 16:00-16:25		Shunzo Kumano 16:00-16:25	
	Tomohiro Uesaka 16:20-16:40	Shunji Nishimura 16:25-16:50		Shin Hyung Kim 16:25-16:50	
	Minsik Kwag 16:40-17:00	Sunghoon Tony Ahn 16:50-17:15		Po-Ju Lin 16:50-17:05	
	Takashi Kobayashi 17:00-17:20	Meng-Ru Wu 17:15-17:30		/	
Taku Gunji 17:20-17:40	/	/			

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Date: October 20

Nuclear reactions		
chair	Tomohiro Uesaka RIKEN	
14:00-14:25	Hongna Liu Beijing Normal Univ.	Study of nuclear correlations using quasi-free scattering reactions
14:25-14:50	Sunji Kim IBS	Direct reaction studies of light nuclei in inverse kinematics
14:50-15:15	Akane Sakaue Univ. of Tokyo	Experimental study of double Gamow-Teller transition by using double charge exchange reaction
15:15-15:30	Qian Wu Nanjing Univ.	Study of fusion processes in the dtmu molecular
15:30-16:00	Break	
Nuclear facilities & instrumentations		
chair	Byungsik Hong Korea Univ.	
16:00-16:20	Wenlong Zhan IMP	Construction of nuclear research center in Huizhou-2025
16:20-16:40	Tomohiro Uesaka RIKEN	The RIBF facility and its upgrade project
16:40-17:00	Minsik Kwag IBS	Recent activities of KoBRA and NDPS at RAON
17:00-17:20	Takashi Kobayashi KEK	J-PARC status and future
17:20-17:40	Taku Gunji Univ. of Tokyo	The Electron-Ion Collider: A next-generation facility for unraveling the quark-gluon structure of matter

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Nuclear structure I		
chair	Vandana Nanal TIFR	
10:50-11:15	Meng Wang IMP	Mass measurements of short-lived nuclides using Brho-defined IMS at CSRe
11:15-11:40	Fangqi Chen Lanzhou Univ.	Origin of the low-energy enhancement in the γ -strength function
11:40-11:55	Hiroshi Watanabe IBS	Fast-timing lifetime measurements of exotic nuclei with a large LaBr ₃ Ce array: The first results from the IDATEN project
11:55-12:10	Yosuke Kondo RIKEN	Exploring nuclear shell structure toward neutron-rich extremes at RIBF-SAMURAI
12:10-14:00	Lunch	
Nuclear Structure II		
chair	Yifei Niu Lanzhou Univ.	
14:00-14:25	Pengwei Zhao Peking Univ.	Machine learning for Ab initio studies of light atomic nuclei
14:25-14:50	Rudrajyoti Palit TIFR	Probing nuclear structure using lifetime and Coulomb excitation measurements with Digital INGA
14:50-15:05	Sushil Sharma Jagiellonian Univ.	Recent advances in fundamental physics with the multiphoton J-PET detector
15:05-15:20	Jianwei Cai IMP	Search for the isoscalar neutron-proton pair condensation in ¹²⁰ Sn using ⁴ He, ⁶ Li probe
15:20-16:00	Break	
Nuclear astrophysics		
chair	Bing Guo CIAE	
16:00-16:25	Yangping Shen CIAE	Direct measurement of the ¹² C α , γ ¹⁶ O reaction at JUNA, results and perspectives
16:25-16:50	Shunji Nishimura RIKEN	Exploring r-process signatures in neutron-rich nuclei
16:50-17:15	Sunghoon Tony Ahn IBS	α p-explorer and n*-explorer: New frontiers in nuclear astrophysics at CENS
17:15-17:30	Meng-Ru Wu Academia Sinica	Neutrino and nucleosynthesis in stella explosions

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Date: October 23

Nuclear applications		
chair	Shunji Nishimura RIKEN	
10:50-11:15	Ruirui Xu CIAE	Research on nuclear reaction data at CNDC and next CENDL
11:15-11:40	Atsushi Yamaguchi RIKEN	Trapping and laser spectroscopy of triply charged thorium-229 isomer for a nuclear clock
11:40-12:05	Kwang-Yong Choi Sungkyunkwan Univ.	β -NMR spectroscopy: principles and applications in modern materials research
12:05-14:00	Lunch	
Hot & dense matter I		
chair	Po-Ju Lin National Central Univ.	
14:00-14:25	Chiho Nonaka Hiroshima Univ.	Theoretical studies of hot and dense matter
14:25-14:50	Qinghua Xu Shandong Univ.	Overview of STAR
14:50-15:15	Wei-hu Ma Fudan Univ.	The overview of the sPHENIX experiment at RHIC
15:15-15:30	Kadyr G. Gulamov The Council of Physicists of Uzbekistan	Observation of alignment in the azimuth-pseudorapidity matrix in central collisions of ^{32}S nuclei with heavy nuclei of emulsion at $\sqrt{s_{NN}} = 20 \text{ GeV}$
15:30-16:00	Break	
Hadrons		
chair	Yongsun Kim Sejong Univ.	
16:00-16:25	Shunzo Kumano IMP/KEK	Possible studies on high-energy hadron physics at J-PARC
16:25-16:50	Shin Hyung Kim Kyungpook National Univ.	Exotic hadron physics with the hyperon spectrometer at J-PARC
16:50-17:05	Po-Ju Lin NCU	GPD program at COMPASS

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Hot & dense matter II		
chair	Chiho Nonaka Hiroshima Univ.	
09:00-09:25	MinJung Kweon Inha Univ.	Overview of ALICE
09:25-09:50	Yongsun Kim Sejong Univ.	Recent quarkonia studies in heavy ion collisions at the CMS experiment
09:50-10:05	Jonghan Park Jeonbuk National Univ.	Recent heavy-flavour measurements with ALICE