

Parallel Session: **Nuclear Physics**

Morning Session:

Date: **October 21**

chair	(Nuclear structure I) Vandana Nanal (TIFR)	
10:50-11:15	Meng Wang (IMP)	Mass measurements of short-lived nuclides using Brho-defined IMS at CSRe (invited)
11:15-11:40	Fangqi Chen (Lanzhou Univ.)	Origin of the low-energy enhancement in the γ -strength function (invited)
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 (invited)
11:55-12:10	Yosuke Kondo (RIKEN)	Exploring nuclear shell structure toward neutron-rich extremes at RIBF-SAMURAI (invited)

Date: **October 23**

chair	(Nuclear applications) Shunji Nishimura (RIKEN)	
10:50-11:15	Ruirui Xu (CIAE)	Research on nuclear reaction data at CNDC and next CENDL (invited)
11:15-11:40	Atsushi Yamaguchi (RIKEN)	Trapping and laser spectroscopy of triply charged thorium-229 isomer for a nuclear clock (invited)
11:40-12:05	Kwang-Yong Choi (Sungkyunkwan Univ.)	β -NMR spectroscopy: principles and applications in modern materials research (invited)

Date: **October 24**

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

Afternoon Session:

Date: **October 20**

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

Date: **October 21**

chair	(Nuclear Structure II) Yifei Niu (Lanzhou Univ.)	
14:00-14:25	Pengwei Zhao (Peking Univ.)	Machine learning for Ab initio studies of light atomic nuclei (invited)
14:25-14:50	Rudrajyoti Palit (TIFR)	Probing nuclear structure using lifetime and Coulomb excitation measurements with Digital INGA (invited)
14:50-15:05	Sushil Sharma (Jagiellonian Univ.)	Recent advances in fundamental physics with the multiphoton J-PET detector (invited)
15:05-15:20	Jianwei Cai	Search for the isoscalar neutron-proton pair

	(IMP)	condensation in ^{120}Sn using (^4He , ^6Li) probe (contributed)
15:30-16:00	Break	
chair	(Nuclear astrophysics) Bing Guo (CIAE)	
16:00-16:25	Yangping Shen (CIAE)	Direct measurement of the $^{12}\text{C}(\alpha,\gamma)^{16}\text{O}$ reaction at JUNA, results and perspectives (invited)
16:25-16:50	Shunji Nishimura (RIKEN)	Exploring r-process signatures in neutron-rich nuclei (invited)
16:50-17:15	Sunghoon (Tony) Ahn (IBS)	α p-explorer and n*-explorer: New frontiers in nuclear astrophysics at CENS (invited)
17:15-17:30	Meng-Ru Wu (Academia Sinica)	Neutrino and nucleosynthesis in stella explosions (invited)

Date: **October 23**

chair	(Hot & dense matter I) Chia-Ming Kuo (National Central Univ.)	
14:00-14:25	Chiho Nonaka (Hiroshima Univ.)	Theoretical studies of hot and dense matter (invited)
14:25-14:50	Qinghua Xu (Shandong Univ.)	Overview of STAR (invited)
14:50-15:15	Weihu Ma (Fudan Univ.)	The overview of the sPHENIX experiment at RHIC (invited)
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 $\sqrt{s_{NN}} = 20$ GeV (contributed)
15:30-16:00	Break	
chair	(Hadrons) Yongsun Kim (Sejong Univ.)	
16:00-16:25	Shunzo Kumano (IMP/KEK)	Possible studies on high-energy hadron physics at J-PARC (invited)
16:25-16:50	Shin Hyung Kim (Kyungpook National Univ.)	Exotic hadron physics with the hyperon spectrometer at J-PARC (invited)
16:50-17:05	Po-Ju Lin (NCU)	GPD program at COMPASS (invited)