

List of Symposia & Workshops (April 2021–March 2022)

RNC

1	International Workshop on the Extension Project for the J-PARC Hadron Experimental Facility (J-PARC HEF-ex WS) https://indico2.riken.jp/event/3773/	online	Jul. 7–9
2	RIBF Users Meeting 2021 https://indico2.riken.jp/event/3821/	online	Sep. 7–9
3	高エネルギービーム活用に向けた展望～イオンビームを用いた育種と社会実装に向けた研究～ http://www.werc.or.jp/newsdetail/img/R030806press2.pdf	online	Sep. 15
4	24th International SPIN Symposium http://spin2021.riken.jp	Kunibiki Messe, Shimane	Oct. 18–22
5	BNL-HET & RBRC Joint Workshop "DWQ@25": The event marks the passage of twenty-five years since the first numerical simulations with Domain Wall Quarks (DWQ) https://indico.bnl.gov/event/13576/	online	Dec. 13–17
6	RBRC Workshop: Small-x Physics in the EIC Era https://www.bnl.gov/smallxphysicsworkshop/	online	Dec. 15–17
7	原子核物理学実験におけるデータ活用による研究戦略（研究 DX 化推進ファンド） https://indico2.riken.jp/event/4016/	RIKEN Integrated Innovation Building/online	Mar. 7

KEK

1	SSRI-PNS Collaboration Meeting 2021 https://indico2.riken.jp/event/3807/overview	online	Sep. 2–3
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List of Seminars (April 2021—March 2022)

Nuclear Physics Monthly Colloquium

Not held in 2021		
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RIBF Nuclear Physics Seminar

1	Emiko Hiyama (Tohoku U.)	Structure of light Ξ hypernuclei and Hyperon-Hyperon interaction (virtual) https://indico2.riken.jp/event/3701/	Apr. 13
2	Minho Kim (Korea Univ./RIKEN)	Transverse single-spin asymmetry for very forward neutral particle production in high-energy polarized p + p collisions (virtual) https://indico2.riken.jp/event/3719/	May 11
3	Leung Tsz Tang (Argonne National Laboratory)	Study the role of the valence proton in $^{23,25}\text{F}$ using the (p,2p) quasi-free knockout reaction (virtual) https://indico2.riken.jp/event/3761/	Jul. 6
4	Pascal Naidon (RIKEN)	Prediction of a "mixed bubble" quantum phase (virtual) https://indico2.riken.jp/event/3849/	Sep. 7
5	Tadaaki Isobe (RNC)	Measurement of spectral pion ratio in Sn+Sn collisions for the constraint of density dependent nuclear symmetry energy (virtual) https://indico2.riken.jp/event/3846/	Sep. 28
6	Rituparna Kanungo (Saint Mary's U.)	Exploring nuclear shell structure in the neutron-rich landscape (virtual) https://indico2.riken.jp/event/3867/	Oct. 5
7	Takaharu Otsuka (UT and RNC)	What determines the driplines of atomic nuclei? (Let's look back to basic concepts of nuclear physics.) (Hybrid: Zoom + RIBF Hall) https://indico2.riken.jp/event/3912/	Nov. 5
8	Masaaki Kimura (RNC)	Erosion of N = 28 shell gap, shape coexistence and monopole transitions in the vicinity of ^{44}S (virtual) https://indico2.riken.jp/event/3997/	Jan. 18
9	Ralf Seidl (RNC)	Direct photon single spin asymmetries and gluon dynamics (virtual) https://indico2.riken.jp/event/4019/	Feb. 8
10	Toshitaka Niwase (KEK)	Direct mass measurement of superheavy nuclides via MRTOF mass spectrograph equipped with an α -TOF detector (virtual) https://indico2.riken.jp/event/4042/	Feb. 22
11	Takehiko Saito (RIKEN)	New directions in hypernuclear physics (virtual) https://indico2.riken.jp/event/4079/	Mar. 29

Seminar by Each Laboratory

High Energy Astrophysics Laboratory

1	Yuuki Wada (RIKEN)	実験装置開発のすすめ (virtual)	Apr. 14
2	Shoda Munehiro (NAOJ)	Stellar wind from Sun-like stars: Implications for solar wind evolution (virtual)	May 19
3	Satoru Katsuda (Saitama U.)	Density profile of the earth's upper atmosphere from its occultations of the Crab Nebula with X-ray astronomy satellites (virtual)	Jun. 22
4	Tatsuki Washimi (NAOJ)	Gravitational wave detector KAGRA and background events induced by lightning (virtual)	Jul. 12
5	Toshiki SATO (Rikkyo U.)	超新星最深部での元素合成: X線観測による超新星残骸内の高エントロピー上昇流の発見 (virtual)	Aug. 17

6	Ting Wu (Gifu U.)	Strong lightning discharges associated with terrestrial gamma-ray flashes in winter thunderstorms (virtual)	Sep. 29
7	Shintaro Yoshiura (NAOJ)	新時代の低周波電波観測-宇宙再電離から暗黒時代の21cm線探査 (virtual)	Oct. 12
8	Yosuke Sato (Hokkaido U.)	Development of a lightning model for the meteorological simulation (virtual)	Nov. 18
9	Yuko Ikkatai (Kanazawa U.)	日本における科学への市民参加 (virtual)	Dec. 20

High Energy Astrophysics Lab. Seminar → http://astro.riken.jp/wordpress/?page_id=65

Subnuclear System Research Division

1	Yoni Kahn (U. Illinois)	High-Energy Physics & RIKEN Theory Seminar Discovering the new physics of $g-2$ with a muon collider (virtual)	Apr. 1
2	Cédric Lorcé (CPHT)	Nuclear Physics & RIKEN Theory Seminar Revisiting the concept of relativistic charge distribution (virtual)	Apr. 2
3	Florentin Jaffredo (IJCLab Orsay)	High-Energy Physics & RIKEN Theory Seminar Single Leptoquark Solutions to the B-physics anomalies (virtual)	Apr. 8
4	Brendan Reed (Indiana U.)	RBRC Seminar The neutron skin of Pb-208 and the structure of neutron stars (virtual)	Apr. 8
5	Chirilli Giovanni (Regensburg)	Nuclear Physics & RIKEN Theory Seminar High-energy OPE for polarized DIS (virtual)	Apr. 9
6	Dalibor Djukanovic (Mainz U.)	RBRC Seminar Nucleon form factors from lattice QCD (virtual)	Apr. 15
7	Kallia Petraki (Sorbonne U.)	High-Energy Physics & RIKEN Theory Seminar Dark matter goes nuclear: The role of bound states in thermal decoupling (virtual)	Apr. 15
8	David Kaplan (Johns Hopkins U.)	High-Energy Physics & RIKEN Theory Seminar Relaxing the cosmological constant and dark energy radiation (virtual)	Apr. 22
9	Abhay Deshpande (Stony Brook U.)	RBRC Seminar EIC: Science, status and prospects (virtual)	Apr. 22
10	Alexei Bazavov (Michigan State U.)	Nuclear Physics & RIKEN Theory Seminar Efficient integration of gradient flow in lattice gauge theory and properties of low-storage commutator-free Lie group methods (virtual)	Apr. 23
11	Xiaoling Cui (Chinese Academy of Science)	SNP Seminar Stability of quantum droplet against confinement and multi-component (virtual)	Apr. 28
12	Alexander Huss (CERN)	High-Energy Physics & RIKEN Theory Seminar Precision predictions for Higgs boson production (virtual)	Apr. 29
13	Julia Gehrlein and Peter Boyle (BNL)	High-Energy Physics & RIKEN Theory Seminar Muon magnetic moment: New physics or not (virtual)	May 6
14	Alexander Kovner (UConn)	RBRC Seminar High energy evolution and S-channel unitarity: An interesting problem that bothers no one (virtual)	May 6
15	Emilie Passemar (LANL)	RBRC Seminar Precision tests of fundamental physics with η and η' mesons (virtual)	May 13
16	Matthias Neubert (U. Mainz)	High-Energy Physics & RIKEN Theory Seminar Adventures in the ALPs — Effective Lagrangians, flavor observables and indirect searches for axion-like particles (virtual)	May 13
17	Koji Hashimoto (Kyoto U.)	RBRC Seminar An attempt for deriving nuclear physics by holography (virtual)	May 14

18	Li Sheng Geng (Beihang U.)	SNP Seminar Understanding of the LHCb pentaquark states as hadronic molecules, from masses, spin-parities to production yields (virtual)	May 14
19	Koji Hashimoto (Kyoto U.)	Nuclear Physics & RIKEN Theory Seminar An attempt for deriving nuclear physics by holography (virtual)	May 14
20	Soebur Razzaque (U. Johannesburg)	High-Energy Physics & RIKEN Theory Seminar Non-unitary neutrino oscillations to reduce tension between the NOvA and T2K data (virtual)	May 20
21	Constantia Alexandrou (U. Cyprus)	RBRC Seminar Parton distributions using lattice QCD (virtual)	May 20
22	Jacopo Ghiglieri (SUBATECH)	Nuclear Physics & RIKEN Theory Seminar Thermal gravitational wave production in the early universe (virtual)	May 21
23	Radja Boughezal (Argonne)	RBRC Seminar Proton structure, new physics and more: The EIC potential for probing the unknown (virtual)	May 27
24	Hiro Ejiri (RCNP Osaka U.)	SNP Seminar Delta isobar (Δ) contribution to neutrino nuclear response for double beta decay (virtual)	May 28
25	Feng Yuan (Lawrence Berkeley National Lab)	Nuclear Physics & RIKEN Theory Seminar Single transverse-spin asymmetry and Sivers Function on lattice (virtual)	May 28
26	Andreas Crivellin (CERN)	High-Energy Physics & RIKEN Theory Seminar Discovering lepton flavour universality violating new physics (virtual)	Jun. 3
27	Jamie Stafford (U. Houston)	RBRC Seminar First-principles-based equations of state for QCD at finite temperature and density (virtual)	Jun. 3
28	Kenji Fukushima (U. Tokyo)	Nuclear Physics & RIKEN Theory Seminar Toward understanding the high-baryon state of matter (virtual)	Jun. 4
29	Naoyuki Itagaki (Kyoto U.)	SNP Seminar Cluster structure comprised of shell model states (virtual)	Jun. 4
30	Silas Beane (U. Washington)	Nuclear Physics & RIKEN Theory Seminar Entanglement minimization in hadronic scattering (virtual)	Jun. 11
31	Kazuyuki SEKIZAWA (Tokyo Institute of Technology)	SNP Seminar Dynamics of quantized vortices in superfluid fermionic systems: From cold atoms to neutron stars (virtual)	Jun. 24
32	Jan Pawłowski (Heidelberg U.)	RBRC Seminar On the phase structure of QCD (virtual)	Jun. 25
33	Patrick Barry (Jefferson Lab)	RBRC Seminar Tagged deep inelastic scattering and its relation to pion parton distributions (virtual)	Jul. 1
34	Lucas PLATTER (U. Tennessee)	SNP Seminar Few-body systems with a van der Waals interaction (virtual)	Jul. 2
35	Anna Stasto (Penn State U.)	RBRC Seminar A new Wilson line-based action for gluodynamics (virtual)	Jul. 2
36	Yi Chen (CERN)	RBRC Seminar Extraction of q_{had} in heavy-ion collisions with a Bayesian analysis (virtual)	Jul. 8
37	Son Dam Thanh (U. Chicago)	RBRC Seminar Nonrelativistic conformal field theory and unnuclear physics	Jul. 9
38	Marlene Nahrgang (Subatech)	RBRC Seminar Discovering the QCD critical point with dynamical fluctuations (virtual)	Jul. 15
39	Andrey Sadofyev (U. Santiago de Compostela)	RBRC Seminar Ab initio coupling of jets to collective flow in the opacity expansion approach (virtual)	Jul. 16
40	Veronica Dexheimer (Kent State U.)	RBRC Seminar Equation of state from heavy-ion collisions to neutron stars (virtual)	Jul. 22

41	Miguel Escobedo (Santiago de Compostela U.)	RBRC Seminar Phenomenological study of quarkonium suppression and the impact of the energy gap between singlets and octets (virtual)	Jul. 23
42	Claudia Ratti (U. Houston)	RBRC Seminar Equation of state from lattice QCD (virtual)	Jul. 29
43	Prasad Hegde (Indian Institute of Science)	RBRC Seminar A new way to resum the finite-density lattice QCD Taylor series (virtual)	Aug. 19
44	Kazuhiro Watanabe (SUBATECH)	RBRC Seminar Hadronic quarkonium production at high pT in QCD factorization approach (virtual)	Aug. 20
45	Martin Hentschinski (BNL)	RBRC Seminar TMD gluon distributions at NLO within high energy factorization (virtual)	Aug. 26
46	Adrien Florio (Stony Brook U.)	RBRC Seminar Gibbs entropy from entanglement in electric quenches (virtual)	Aug. 27
47	Prithwish Tribedy (BNL)	RBRC Seminar Blind analysis of isobar data for the CME search by the STAR collaboration (virtual)	Sep. 2
48	Xu-Guang Huang (Fudan U.)	RBRC Seminar Phenomenology of spin polarization and vorticity (virtual)	Sep. 3
49	Ted Rogers (Old Dominion U.)	RBRC Seminar Transverse momentum integrals and the properties of collinear PDFs (virtual)	Sep. 10
50	Lex Kemper (North Carolina State U.)	RBRC Seminar Examining topology and thermodynamics using quantum computers (virtual)	Sep. 16
51	Colin Morningstar (Carnegie Mellon U.)	RBRC Seminar Multi-hadron physics in lattice QCD (virtual)	Sep. 17
52	Dimitra Anastasia Pefkou (MIT)	RBRC Seminar Gravitational form factors of hadrons from lattice QCD (virtual)	Sep. 23
53	Chihiro Sasaki (Wroclaw)	RBRC Seminar Chiral mixing in dense matter (virtual)	Sep. 24
54	Niklas Mueller (U. Maryland)	RBRC Seminar Thermalization of gauge theories from their entanglement spectrum (virtual)	Sep. 30
55	Antonio Pineda (IFAE Barcelona)	RBRC Seminar Theoretical description of the plaquette with exponential accuracy (virtual)	Oct. 1
56	Muneto Nitta (Keio U.)	SNP Seminar 3P_2 superfluids and pulsar glitches from quantum vortex networks (virtual)	Oct. 6
57	Yuuka Kanakubo (Sophia U.)	RBRC Seminar Interplay between core and corona components in high-energy nuclear collisions (virtual)	Oct. 7
58	Yukari Yamauchi (Maryland U.)	RBRC Seminar Quantum algorithms for transport coefficients in gauge theories (virtual)	Oct. 8
59	Yasuki Tachibana (Akita International U.)	RBRC Seminar Description of medium response to jet propagation in quark-gluon plasma fluid (virtual)	Oct. 14
60	Guang Juan Wang (ASRC, JAEA)	SNP Seminar Novel coupled channel framework connecting quark model and lattice QCD: An investigation on near-threshold Ds states (virtual)	Oct. 15
61	Peter Arnold (U. Virginia)	RBRC Seminar Universality (beyond leading log) of soft radiative corrections to momentum broadening and energy loss of high-energy partons in QCD matter (virtual)	Oct. 15
62	Yasushi Nara (Akita International U.)	RBRC Seminar Transport theoretical approach for heavy-ion collision at high baryon densities (virtual)	Oct. 21
63	Jianhui Zhang (Beijing Normal U.)	RBRC Seminar Recent updates on meson distribution amplitudes from lattice QCD (virtual)	Oct. 22

64	Daniel Boer (U. Groningen)	RBRC Seminar GTMD studies at small x (virtual)	Oct. 28
65	Dimitrios Bachtis (Swansea U.)	RBRC Seminar Inverse renormalization group: Evading the critical slowing down effect (virtual)	Oct. 29
66	Frédéric Chevy (LKB, ENS)	SNP Seminar Impurity physics with cold atoms: Fermi polaron, Bose polaron and beyond (virtual)	Nov. 10
67	Tuomas Lappi (U. Jyvaskyla)	RBRC Seminar Loops in light cone perturbation theory (virtual)	Nov. 12
68	Neha Shah (Indian Institute of Technology Patna)	SNP Seminar Understanding hypernuclear interactions with heavy-ion collisions (virtual)	Nov. 17
69	Nobuyuki Matsumoto (Gakushuin U.)	RBRC Seminar Worldvolume tempered Lefschetz thimble method as an algorithm towards solving the sign problem (virtual)	Nov. 18
70	Pieter Taelis (U. Antwerp)	RBRC Seminar Quarkonium production at the EIC as a probe of gluon TMDs (virtual)	Nov. 19
71	Daisuke Inotani (RIKEN)	SNP Seminar Strong-coupling effects of pairing fluctuations, and Anderson-Bogoliubov mode in neutron superfluids in neutron stars (virtual)	Nov. 24
72	Andrey Tarasov (Ohio State U.)	RBRC Seminar The role of the chiral anomaly in polarized deep inelastic scattering: Topological screening and transitions from emergent axion-like dynamics. (virtual)	Dec. 2
73	Jorge Noronha (U. Illinois)	RBRC Seminar Hydrodynamic frames: The good, the bad, and the ugly (virtual)	Dec. 3
74	Filip Bergabo (City U. of New York)	RBRC Seminar Coherent energy loss effects in dihadron azimuthal angular correlations in deep inelastic scattering at small x (virtual)	Dec. 9
75	Michal P. Heller (Max Planck Institute for Gravitational Physics)	RBRC Seminar The hydrodynamic gradient expansion diverges beyond Bjorken flow (virtual)	Dec. 10
76	Yuki Kamiya (Bonn U.)	SNP Seminar Femtoscopic study on the hadron-hadron interaction (virtual)	Dec. 17
77	Gabriel Santiago (Ohio State U.)	RBRC Seminar Quark sivers function at small x : Spin-dependent odderon and the sub-eikonal evolution (virtual)	Jan. 7
78	Lorenzo Contessi (IRFU)	SNP Seminar Universality in multi-fermion systems (virtual)	Jan. 12
79	Raju Venugopalan (BNL)	RBRC Seminar Classicalization and unitarization of wee partons in QCD and gravity: The CGC-black hole correspondence (virtual)	Jan. 13
80	Jean-Paul Blaizot (IPhT U.)	RBRC Seminar Attractor and fixed points in Bjorken flows (virtual)	Jan. 14
81	Lájer Márton (Eötvös Loránd U.)	RBRC Seminar When cold, dense quarks are not a Fermi liquid (virtual)	Jan. 20
82	Ismail Zahed (Stony Brook U.)	RBRC Seminar On the topological origin of hadronic mass and spin (virtual)	Jan. 21
83	Luigi Coraggio (U. Campania)	SNP Seminar Microscopic approaches to the calculation of the nuclear matrix element for the neutrinoless double-beta decay (virtual)	Jan. 24
84	Shohini Bhattacharya (BNL)	RBRC Seminar First global QCD analysis of the worm-gear TMD g_{1T} (virtual)	Feb. 3
85	Giovanni Chirilli (Regensburg U.)	RBRC Seminar Pseudo- and quasi-PDFs in the BFKL approximation (virtual)	Feb. 4
86	Chandroday Chattopadhyay (North Carolina State U.)	RBRC Seminar Far-from-equilibrium attractors in boost-invariant plasmas (virtual)	Feb. 10

87	Simon Catterall (Syracuse U.)	RBRC Seminar Symmetric mass generation and anomalies in particle and condensed matter physics (virtual)	Feb. 11
88	João Barata (U. Lisbon)	RBRC Seminar Jet quenching in anisotropic media (virtual)	Feb. 17
89	Michael Wagman (Fermilab)	RBRC Seminar Few-nucleon systems in lattice QCD (virtual)	Feb. 18
90	Paul Caucal (BNL)	RBRC Seminar Anomalous diffusion in QCD matter (virtual)	Feb. 24
91	Takumi Doi (RIKEN)	RBRC Seminar Hadron interactions from lattice QCD (virtual)	Feb. 25
92	Yasutaka Taniguchi (Kagawa College)	SNP Seminar $^{12}\text{C}+^{12}\text{C}$ fusion astrophysical S-factor in a full-microscopic nuclear model (virtual)	Feb. 25
93	Mendel Nguyen (NC State U.)	RBRC Seminar Noninvertible symmetry and string tensions beyond N-ality (virtual)	Mar. 3
94	Farid Sazalar (UCLA)	RBRC Seminar Promoting gluon saturation to higher precision with dijets at the EIC (virtual)	Mar. 4
95	Bing-Nan Lu (China Academy of Engineering Physics)	SNP Seminar Ab initio nuclear physics on the lattice (virtual)	Mar. 4
96	Christian Schmidt (U. Bielefeld)	RBRC Seminar Lee-Yang edge singularities in lattice QCD (virtual)	Mar. 10
97	Andrei Alexandru (The George Washington U.)	RBRC Seminar Three hadron scattering from lattice QCD (virtual)	Mar. 11
98	Yuya Tanizaki (YITP)	RBRC Seminar Semiclassical description of confinement via center vortices and anomaly-preserving T^2 compactifications (virtual)	Mar. 17
99	Xabier Feal (BNL)	RBRC Seminar Infrared structure of QED as a many-body theory of worldlines (virtual)	Mar. 18
100	Alexander Rothkopf (U. Stavanger)	RBRC Seminar Static interquark potential from Euclidean and real-time lattices (virtual)	Mar. 24
101	Ihsse Friederike (BNL)	RBRC Seminar Towards resolving the QCD phase structure with discontinuous Galerkin methods (virtual)	Mar. 31

SNP Seminar → <http://snp.riken.jp/seminar.html>

RIKEN/BNL Lunch Time Talk → <https://www.bnl.gov/riken/events/>