

List of Seminars (April 2020—March 2021)

Nuclear Physics Monthly Colloquium

	Not held in 2020		
--	------------------	--	--

RIBF Nuclear Physics Seminar

1	Sidong Chen (U. Hong Kong)	Structural evolution of neutron-rich calcium isotopes https://indico2.riken.jp/event/3365/	May 26
2	Junki Tanaka (RIKEN)	Experimental evidence of a clustering in the ground state of stable heavy nuclei https://indico2.riken.jp/event/3441/	Jul. 28
3	Wataru Horiuchi (Hokkaido University)	Utility of antiproton- and deuteron-scattering for studies of unstable nuclei https://indico2.riken.jp/event/3639/	Jan. 21
4	Takumi Yamaga (RIKEN)	Observation of an anti-kaon nuclear bound state, $\bar{K}NN$ https://indico2.riken.jp/event/3650/	
5	Masaomi Tanaka (Kyushu U.)	Swelling of doubly magic ^{48}Ca core in Ca isotopes beyond $N = 28$ https://indico2.riken.jp/event/3640/	Feb. 9
6	Heather Crawford (Berkeley Lab)	First spectroscopy in ^{40}Mg and the implications for structure near the dripline https://indico2.riken.jp/event/3669/	Feb. 16

Seminar by Each Laboratory

Nuclear Science and Transmutation Research Division

1	Jens Lassen (TRIUMF)	Nuclear Spectroscopy Lab. Seminar (Quantum Beam Application Research B03 Seminar) Radioactive ion beams at TRIUMF using the resonance ionization laser ion source https://indico2.riken.jp/event/3469/	Sep. 2
2	Yutaka Shikano (Keio U.)	Nuclear Spectroscopy Lab. Seminar (Quantum Beam Application Research B03 Seminar) Fundamentals and applications of weak measurement (弱測定の基礎と応用) https://indico2.riken.jp/event/3662/	Feb. 4

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

Subnuclear System Research Division

1	Eduardo Grossi (SBU)	Nuclear Physics & RIKEN Theory Seminar (virtual) A mode by mode approach to heavy ion collision	Apr. 10
2	Debasish Banerjee (PNNL)	Nuclear Physics & RIKEN Theory Seminar (virtual) The Color Glass Condensate density matrix: Lindblad evolution, entanglement entropy and Wigner functional	Apr. 17
3	Jianwei Qiu (Jefferson Lab)	Nuclear Physics & RIKEN Theory Seminar (virtual) 3D tomography of parton motion inside hadrons	Apr. 24
4	Andrea Signori (Jlab)	Nuclear Physics & RIKEN Theory Seminar (virtual) Transverse momentum distributions: predictive power and flavor structure	May 1
5	R. Loganayagam (ICTS)	Nuclear Physics & RIKEN Theory Seminar (virtual) Open QFTs from holography	May 8
6	Emilie Huffman (Perimeter Inst)	Nuclear Physics & RIKEN Theory Seminar (virtual) Quantum criticality in fermion-bag inspired Hamiltonian lattice field theories	May 15

7	Fabian Rennecke (BNL)	BNL RIKEN Seminar (virtual) From anomalous correlations to dark matter: the effects of higher topological charge	May 21
8	Sourendu Gupta (TIFR)	Nuclear Physics & RIKEN Theory Seminar (virtual) Why is chemical freezeout at the chiral cross over temperature?	May 22
9	Yuta Sekino (RIKEN)	SNP Seminar Mesoscopic spin transport between strongly interacting Fermi gases	May 27
10	Masafumi Fukuma (Kyoto U.)	BNL RIKEN Seminar (virtual) Sign problem in Monte Carlo simulations and the tempered Lefschetz thimble method	May 28
11	Luchang Jin (U. Conn)	Nuclear Physics & RIKEN Theory Seminar (virtual) First-principles calculation of electroweak box diagrams from lattice QCD	May 29
12	Phiala Shanahan (MIT)	BNL RIKEN Seminar (virtual) From quarks to nuclei: machine learning the structure of matter	Jun. 4
13	Alexander Soloviev (Stony Brook U.)	BNL RIKEN Seminar (virtual) Transport and hydrodynamics in the chiral limit	Jun. 11
14	Gregory Soyez (IPhT)	Nuclear Physics & RIKEN Theory Seminar (virtual) The quest for precision across scales	Jun. 12
15	Shao-Feng Wu (Shanghai U., Yangzhou U.)	Nuclear Physics & RIKEN Theory Seminar (virtual) Deep learning black hole metrics from shear viscosity	Jun. 18
16	Akihiko Monnai (JWU)	Nuclear Physics & RIKEN Theory Seminar (virtual) Prompt, pre-equilibrium, and thermal photons in relativistic nuclear collisions	Jun. 19
17	Munekazu Horikoshi (Osaka City U.)	SNP Seminar Ultracold AMO experiment for quantum few-body and many-body	Jun. 22
18	Mamiya Kawaguchi (Fudan U.)	Nuclear Physics & RIKEN Theory Seminar (virtual) Nonperturbative quark-flavor breaking at chiral crossover criticality in hot QCD	Jun. 25
19	Lukas Weih (ITP)	Nuclear Physics & RIKEN Theory Seminar (virtual) Postmerger gravitational-wave signatures of phase transitions in binary mergers	Jun. 26
20	Chris Greene (Purdue U.)	SNP Seminar Linking Efimov physics, few-fermion universality, and the $3n$ and $4n$ systems	Jul. 10
21	Andreas Ipp (TU)	Nuclear Physics & RIKEN Theory Seminar (virtual) Transverse momentum broadening in the Glasma	Jul. 10
22	Asmita Mukherjee (IIT)	Nuclear Physics & RIKEN Theory Seminar (virtual) Probing Gluon Sivers Function in J/ψ production at the Electron-Ion Collider	Jul. 17
23	Xiang Gao, (BNL)	Nuclear Physics & RIKEN Theory Seminar (virtual) Parton distribution functions inside hadron from lattice QCD	Jul. 23
24	Gregory Johnson, (NCSU)	Nuclear Physics & RIKEN Theory Seminar (virtual) Universal location of the Yang-Lee edge singularity in $O(N)$ theories	Jul. 24
25	C.-J. David Lin (National Chiao-Tung U.)	Nuclear Physics & RIKEN Theory Seminar (virtual) Massive Thirring model in 1+1 dimensions from matrix product states	Jul. 30
26	Zhangbo Kang (UCLA)	Nuclear Physics & RIKEN Theory Seminar (virtual) QCD factorization and resummation in the small- x regime	Jul. 31
27	Sinya Aoki (YITP)	Nuclear Physics & RIKEN Theory Seminar (virtual) Conserved charges in general relativity and its implication on Oppenheimer-Volkoff equation	Aug. 7
28	Vincent Cheung (UC Davis)	Nuclear Physics & RIKEN Theory Seminar (virtual) Quarkonium production and polarization in the color evaporation model	Aug. 13
29	Mithat Unsal (NCSU)	Nuclear Physics & RIKEN Theory Seminar (virtual) Strongly coupled QFT dynamics via TQFT coupling	Aug. 21

30	Pasi Huovinen (Inst. Physics Belgrade)	Nuclear Physics & RIKEN Theory Seminar (virtual) Does η /s depend on EoS?	Aug. 28
31	Peng Zhang (Renmin University, Beijing)	SNP Seminar Laser control of two-body processes in nuclear and cold-atom systems	Sep. 3
32	Hans-Werner Hammer (TU Darmstadt)	SNP Seminar The lifetime of the hypertriton	Sep. 3
33	Bowen Xiao (CCNU)	Nuclear Physics & RIKEN Theory Seminar (virtual) The curious story of the photon	Sep. 4
34	Vajravelu Ravindran	Nuclear Physics & RIKEN Theory Seminar (virtual) On next to soft corrections to Inclusive cross sections at the colliders	Sep. 11
35	Jesse Stryker (U. Washington)	Nuclear Physics & RIKEN Theory Seminar (virtual) Loop, string, and hadron dynamics in SU(2) Hamiltonian lattice gauge theories	Sep. 18
36	Christian Bierlich (Lund U.)	Nuclear Physics & RIKEN Theory Seminar (virtual) New applications of dipole Monte Carlo implementations	Sep. 25
37	Tetsuo Hyodo (TMU)	SNP Seminar $\Lambda(1405)$ as a hadronic molecule	Sep. 28
38	Aleksi Vuorinen (U. Helsinki)	Nuclear Physics & RIKEN Theory Seminar (virtual) Quark matter cores in massive neutron stars	Oct. 2
39	Yiannis Makris (INFN)	Nuclear Physics & RIKEN Theory Seminar (virtual) Groomed and energy-energy correlation event shapes in DIS	Oct. 9
40	Ying Zhang (Tianjin U., RIKEN)	SNP Seminar Farewell seminars of Ying Zhang and Jinniu Hu Lambda halo structure of C, B and Zr isotopes	Oct. 14
41	Jinniu Hu (Nankai U., RIKEN)	SNP Seminar Farewell seminars of Ying Zhang and Jinniu Hu The mass limit of a neutron star	Oct. 14
42	Chien Yeah Seng (U. Bon)	Nuclear Physics & RIKEN Theory Seminar (virtual) The quest for explaining the top-row CKM unitarity deficit	Oct. 16
43	Volker Koch (LBNL)	Nuclear Physics & RIKEN Theory Seminar (virtual) Correlations, fluctuations and the QCD phase diagram	Oct. 23
44	Servaas Kokkelmans (TU/e)	SNP Seminar Elastic few-body interactions in dilute Bose gases	Oct. 27
45	Isobel Kolbe, (U. Washington)	BNL RIKEN Seminar (virtual) Matter and radiation in the fragmentation region of heavy-ion collisions	Nov. 5
46	Dr Xin An (NC State U.)	Nuclear Physics & RIKEN Theory Seminar (virtual) Deterministic fluctuating hydrodynamics and relativistic heavy-ion collisions	Nov. 6
47	Viljami Leino, (TUM)	Nuclear Physics & RIKEN Theory Seminar (virtual) Heavy quark diffusion constant from the lattice"	Nov. 13
48	Heng-Tong DING (CCNU)	BNL RIKEN Seminar (virtual) Correlated Dirac eigenvalues and axial anomaly in chiral symmetric QCD	Nov. 19
49	Thomas Cohen (Maryland U.)	Nuclear Physics & RIKEN Theory Seminar (virtual) Surprises in large N_c Thermodynamics	Nov. 20
50	Shun Uchino (JAEA)	SNP Seminar Atomtronics	Nov. 26
51	Teppei Kitahara (Nagoya U.)	BNL RIKEN Seminar (virtual) Electroweak effective field theory from massive scattering amplitudes	Dec. 3
52	Aleksey Cherman (U. Minnesota Twin Cities)	Nuclear Physics & RIKEN Theory Seminar (virtual) Higgs-confinement phase transitions with fundamental representation matter	Dec. 4

53	Hidenori Fukaya (Osaka U.)	BNL RIKEN Seminar (virtual) Study of axial U(1) anomaly at high temperature with lattice chiral fermions	Dec. 10
54	Shin Inouye (Osaka City U.)	SNP Seminar Measurement of the variation of electron-to-proton mass ratio using ultracold molecules produced from laser-cooled atoms	Dec. 11
55	Salazar Wong (Stony Brook U.)	BNL RIKEN Seminar (virtual) Gluon imaging using azimuthal correlations in diffractive scattering at the Electron-Ion Collider	Dec. 17
56	Srimoyee Sen (Iowa State U.)	Nuclear Physics & RIKEN Theory Seminar (virtual) Quarkyonic model for neutron stars	Dec. 18
57	Yair Mulian (Jyvaskyla U.)	BNL RIKEN Seminar (virtual) Toward full result for next-to-leading order dijet production in proton-nucleus collisions	Jan. 7
58	Pavel Kovtun (U. Victoria)	Nuclear Physics & RIKEN Theory Seminar (virtual) Relativistic Navier-Stokes equations	Jan. 8
59	Heng-Tong DING (CCNU)	BNL RIKEN Seminar (virtual) Correlated Dirac eigenvalues and axial anomaly in chiral symmetric QCD	Jan. 14
60	Yuichiro Mori (KEK)	BNL RIKEN Seminar (virtual) Weak value and CP violation measurement	Jan. 21
61	Martin Gonzalez-Alonso (U. Valencia)	High-Energy Physics & RIKEN Theory Seminar (virtual) EFT constraints from neutrino oscillation data	Jan. 21
62	Tokuro Fukui (Kyoto U.)	SNP Seminar Many-body effective models with chiral interaction	Jan. 22
63	Varun Vaidya (MIT)	Nuclear Physics & RIKEN Theory Seminar (virtual) Effective Field theory for jet substructure in heavy ion collisions	Jan. 22
64	Ian Balitsky (JLab, ODU)	Nuclear Physics & RIKEN Theory Seminar (virtual) Gauge-invariant TMD factorization for Drell-Yan hadronic tensor at small x	Jan. 29
65	James Halverson (Northeastern)	BNL RIKEN Seminar (virtual) A triangle of influence: Bringing together physics, pure mathematics, and computer science	Feb. 4
66	Andrew Hanlon (BNL)	Nuclear Physics & RIKEN Theory Seminar (virtual) Two-baryon interactions from lattice QCD	Feb. 5
67	Philipp Scior (BNL)	BNL RIKEN Seminar (virtual) Spectral functions from the real-time functional renormalization group	Feb. 18
68	Michael Ramsey-Musolf (U Mass)	High-Energy Physics & RIKEN Theory Seminar (virtual) Was there an electroweak phase transition?"	Feb. 19
69	Konrad Tywoniuk (U. Bergen)	Nuclear Physics & RIKEN Theory Seminar (virtual) Energy loss of QCD jets in heavy-ion collisions	Feb. 24
70	Shimpei Endo (Tohoku U.)	SNP Seminar Are atoms spherical?	Feb. 25
71	Yusuke Tanimura (Tohoku U.)	SNP Seminar How to visualize nuclear many-body correlations?	Feb. 25
72	Mattia Bruno (CERN)	High-Energy Physics & RIKEN Theory Seminar (virtual) Variations on the Maiani-Testa approach and the inverse problem	Feb. 25
73	Peter Schweitzer, (Connecticut U.)	Nuclear Physics & RIKEN Theory Seminar (virtual) The D-term and forces inside hadrons	Feb. 26
74	Paul Caucal (BNL)	BNL RIKEN Seminar (virtual) Pinning down pQCD modifications of in-medium jet evolution with substructure observables	Mar. 4
75	Andreas von Manteuffel (MSU)	High-Energy Physics & RIKEN Theory Seminar (virtual) Mixed EW-QCD two-loop amplitudes for Drell-Yan dilepton production	Mar. 4

76	Yizhuang Liu (U. Regensburg)	Nuclear Physics & RIKEN Theory Seminar (virtual) Quantum anomalous energy and proton mass decomposition	Mar. 5
77	Yuber Perez-Gonzalez (Fermilab, Northwestern)	High-Energy Physics & RIKEN Theory Seminar (virtual) Neutrinos from Primordial Black Holes, an opera in two acts	Mar. 11
78	Raoul Rontsch (CERN)	High-Energy Physics & RIKEN Theory Seminar (virtual) Mixed QCD-electroweak corrections to vector boson production and their impact on the W -mass measurement by Raoul Rontsch (CERN)"	Mar. 18
79	Yukinari Sumino (Tohoku U.)	Nuclear Physics & RIKEN Theory Seminar (virtual) Understanding heavy quark-antiquark system by perturbative QCD	Mar. 19
80	Yifei Niu (Lanzhou U.)	SNP Seminar Beyond mean-field description of nuclear weak interaction processes in stars	Mar. 25

QHP Seminar → <http://ribf.riken.jp/QHP/seminar.html>

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

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