

FoPM International Symposium

Tuesday 07 February 2023

Poster Session - Event Space B2 (16:00-18:00)

time	[id] title	presenter
16:00	[56] 1. The structure groups of a 4-manifold bundle and its relation to the vector bundle which consists of self-dual harmonic 2-forms	ADACHI, Mitsuyoshi
16:01	[57] 2. Characterization of Microplastics by Raman Flow Particle Analyzer	AKITA, Jun
16:02	[58] 3. Continuous-variable quantum approximate optimization algorithm for quadratic function	ANAI, Keitaro
16:03	[59] 4. Index Theorem and Heat Kernel (\square)	AOYAMA, Temma
16:04	[60] 5. semiclassical analysis(\square)	ARITA, Shinichi
16:05	[61] 6. Electromagnetic "Charge Beads" from Dark Matter	CHITOSE, Akifumi
16:06	[62] 7. Hall effect of triplon in quantum spin dimer materials	ESAKI, Nanse
16:07	[63] 8. Magnon spin shift current in collinear antiferromagnets	FUJIWARA, Kosuke
16:08	[64] 9. Development of a Radio Frequency Dipole Mass Filter for the Francium Permanent Electric Dipole Moment Search	FUKASE, Mirai
16:09	[65] 10. Electronic states of Bi(111) surface studied by time-, spin- and angle-resolved photoemission spectroscopy	FUKUSHIMA, Yuto
16:10	[66] 11. Oscillation properties of microcrack-bearing α -quartz derived from molecular dynamics simulations	FUNAHASHI, Ikuchi
16:11	[67] 12. Quantum sensor in two dimensional van der Waals material	GU, Hao
16:12	[68] 13. Analyzing the Atmosphere of Exoplanets in Neptune Desert	GU, Ziyang
16:13	[69] 14. Analysis of the gravity wave on Venusian atmosphere revealed by LIR on board AKATSUKI (\square)	GUO, Zhuan
16:14	[70] 15. Introduction to Geometric Neural Networks	GYOTOKU, Yoshihiro
16:15	[71] 16. KK-theory through localization algebras	HAFID, Ayoub
16:16	[72] 17. synthesis and characterization of novel optoelectronic materials based on COPV structure	HAN, Xiu
16:17	[73] 18. Subaru PFS: Analysis for 2D PSF modeling	HAYASHI, Kota
16:18	[74] 19.	HONG, Muzi
16:19	[75] 20. Topos: the unexpected bridge between Logic and Geometry	HORA, Ryuya
16:20	[76] 21. Label-free Microscopy for Imaging Live Cells	HORIE, Kohki
16:21	[77] 22. Equivariant covering spaces of quantum homogeneous spaces	HOSHINO, Mao
16:22	[78] 23. Research on Low-Loss High-Repetition-Rate Optical Switch with Quantum Teleportation	IDE, Ryuhoh
16:23	[81] 24. Design method of a broadband planar magic-T: a 6-14GHz scaled model for mm/submm camera	INOUE, Shuhei
16:24	[82] 25. A combinatorial structure of Gelfand-Tsetlin patterns and a natural sijection between monotone triangles and shifted Gelfand-Tsetlin patterns	INOUE, Takuya

16:25	[83] 26. Development of a fine pixel semiconductor X-ray polarimeter	IWATA, Toshiya
16:26	[84] 27. R^2 inflation with the baryogenesis scenario	JEONG, Hyun
16:27	[85] 28. Simulation of planetesimal accretion with realistic gas disc evolution	KAMBARA, Yuki
16:28	[86] 29. The bigraded Rumin complex and Lee conjecture	KANDA, Shuhou
16:29	[87] 30. Sommerfeld effect	KARAYAMA, Kiri
16:30	[88] 31. Lane-Emden equation with supercritical nonlinearity	KATAYAMA, Sho
16:31	[89] 32. Indirect detection of Dark Matter with radio observation	KAWAI, Chikara
16:32	[90] 33. Replica method and Rényi entropies	KAWASUMI, Kotaro
16:33	[91] 34. Kitaev nanoribbon with boundary dephasing	KITAHAMA, Shunta
16:34	[92] 35. The relation between morphology of <i>Euglena gracilis</i> and their removal efficiency of heavy metals	KOBAYASHI, Tsubasa
16:35	[93] 36. Target-oriented design of helical nanotube molecules for rolled incommensurate bilayers	KOTANI, Yuki
16:36	[94] 37. Yang-Lee Singularity in BCS Superconductivity	LI, Hongchao
16:37	[95] 38. Cavity Moiré Materials: controlling correlated phases of matter with quantum light-matter couplings	MASUKI, Kanta
16:38	[96] 39. Primordial Helium Abundance Probed by Subaru Spectroscopy: A Test of the Cosmological Model	MATSUMOTO, Akinori
16:39	[97] 40. Calibration and Timing Resolution Evaluation of Liquid Xenon Gamma Ray Detector in MEG II Experiment	MATSUSHITA, Ayaka
16:40	[98] 41. Shaping microwave photons with frequency tunability using a fixed-frequency superconducting qubit	MIYAMURA, Takeaki
16:41	[99] 42. Next Generation Biosensors Enabled by High-speed Visualization of Dynamic Mechanisms	MIYAZAKI, Ikumi
16:42	[100] 43. Variational approach to Kondo effect in cavity QED	MOCHIDA, Jun
16:43	[101] 44. Evaluation systems for the development of biosensors to measure force on cells	MUKAI, Tomoya
16:44	[102] 45. Towards the application of thermodynamic trade-off relations to reaction-diffusion systems	NAGAYAMA, Ryuna
16:45	[103] 46. Graphical Approach for Characterization of Non-Gaussian Quantum Process	NAGAYOSHI, Hironari
16:46	[104] 47. New mysterious signal from the dawn of our universe ~a study of its precise calculation ~	NAOKAWA, Fumihiro
16:47	[105] 48. Quantitative magnetic imaging of superconducting quantum vortex using solid-state quantum spin sensor	NISHIMURA, Shunsuke
16:48	[106] 49. Boltzmann equation in two-dimensional electron system with spin-orbit coupling	NISHIMURA, Naoki
16:49	[107] 50. Broadband quantum memory with a concatenated optical cavity	NOMURA, Takefumi
16:50	[108] 51. Universal relations on nonequilibrium entropy in classical fluctuating systems	OHGA, Naruo
16:51	[109] 52. Axion detection via superfluid ^3He using quantum technologies	OKABE, Risshin
16:52	[110] 53. On 2d Rational CFTs	OKADA, Masaki

16:53	[111] 54. Direct measurement of the $^{26}\text{Si}(a,p)^{29}\text{P}$ reaction for the nucleosynthesis in the X-ray bursts	OKAWA, Kodai
16:54	[112] 55. Orbital order in a strongly correlated electron systems	OMURA, Satoshi
16:55	[113] 56. Waveform inversion for the 3D S-wave velocity structure in D" beneath the Southern Atlantic	OTSURU, Keisuke
16:56	[114] 57. Automorphisms of Calabi-Yau manifolds	SAKAMOTO, Renji
16:57	[115] 58. Label-free observation of dynamics of small particles by interferometric scattering microscopy	SAWA, Masato
16:58	[116] 59. Quantitative analysis of Akt isoforms' temporal dynamics and downstream regulation with mathematical model-aided optogenetics	SEKINE, Yuka
16:59	[117] 60. Study on first-level trigger of the Belle II experiment using upgraded silicon strip detector	SHIMASAKI, Tomoyuki
17:00	[118] 61. Fundamental equations for open quantum many-body systems	SHIRAISHI, Koki
17:01	[119] 62. Search for black holes by the TESS survey of light variation	SHIRAISHI, Yuta
17:02	[120] 63. Monte Carlo Methods and Physics	SHIRATANI, Sora
17:03	[121] 64. Development for Axion Search using Quantum Non-Demolition Detection of Magnons	SINGH SHRESTHA, Yaman
17:04	[122] 65. Chern Simons theory and Quantum Hall Effect	SUDO, Hiroyuki
17:05	[123] 66. Simultaneous laser stabilization by optical frequency comb for Sr optical lattice clocks	SUEKANE, Kai
17:06	[124] 67. Thermoelectric properties in semimetals with inelastic electron-hole scattering	TAKAHASHI, Keigo
17:07	[125] 68. Grand Unified Theory and Proton Decay	TAKAHASHI, Hiroki
17:08	[126] 69. Evaluation of superconducting nano strip photon-number-resolving detectors with additional coils	TAKAHASHI, Kazuma
17:09	[127] 70. Mining for the Protoclusters at $z \sim 4$ from HSC-SSP photometric dataset with Deep Learning	TAKEDA, Yoshihiro
17:10	[128] 71. Continuous cooling and extraction of ultracold strontium atoms by a moving lattice	TAKEUCHI, Ryoto
17:11	[129] 72. Programmable generation of optical quantum states with two waveguide optical parametric amplifiers	TOMODA, Hiroko
17:12	[130] 73. Search for dust-obscured supermassive black holes in the early universe	TSUJITA, Akiyoshi
17:13	[131] 74. Cosmic Reionization History and Sources Probed by Imaging and Spectroscopy with the Subaru Telescope	UMEDA, Hiroya
17:14	[132] 75. Developing a high-resolution Doppler broadening spectroscopy for cold positronium	UOZUMI, Ryosuke
17:15	[133] 76. Intelligent Disease Classification Based on Platelet Imaging System	WANG, Huidong
17:16	[134] 77. Conformal field theories and error correcting codes	YAHAGI, Shinichiro
17:17	[135] 78. Quantum algorithm for collisionless Boltzmann simulation	YAMAZAKI, Soichiro
17:18	[136] 79. Penalized estimation for non-identifiable models	YOSHIDA, Junichiro
17:19	[137] 80. Floquet Many-body Theory of the Driven BCS Superconductors and its Application to High Harmonic Generations	ZHANG, Huanyu
17:20	[138] 81.	ZHAO, Yaqi