

Monday, 11 August

	ID	Title	Main Author	Coauthors	Type	Theme Area	University / Institution or Company
P1	451	Effect of Ion Drag Force on Head-On Collisions of Solitary Waves in a Strongly Coupled Dusty Plasma with Kappa-Distributed particles	S.KADI	R.ANNOU, A.TAHRAOUI, AND A.FERDI	Poster	PC1.	UNIVERSITY OF SCIENCE AND TECHNOLOGY HOUARI BOUMEDIENE(USTHB)
P2	458	Measuring Third Sound Modes in a Superfluid ^4He Analogue Unruh – DeWitt Detector	CHRIS GOODWIN	SREELEKSHMI AJITHKUMAR, VITOR BARROSO, ILARIA DIMINA, SILVIA SCHIATTARELLA, PATRIK SVANCARA, ANTHONY KENT AND SILKE WEINFURTER.	Poster	PC1.	UNIVERSITY OF NOTTINGHAM
P3	459	Path-Integral Formulation of Truncated Wigner Approximation for Markovian Open Quantum Systems	TOMA YONEYA	KAZUYA FUJIMOTO AND YUKI KAWAGUCHI	Poster	PC1.	NAGOYA UNIVERSITY
P4	463	Time supersolid from spontaneous Floquet states in quantum gases: Temporal Floquet-Nambu-Goldstone modes, Floquet thermodynamics, and the time operator.	FERNANDO SOLS	JUAN RAMÓN MUÑOZ DE NOVA	Poster	PC1.	UNIVERSIDAD COMPLUTENSE DE MADRID
P5	507	Probing Surface Bound States in Superfluid ^3He	L. WHITEHEAD	S. AUTTI, R.P. HALEY, A. MAYER, A. THOMSON, D. E. ZMEEV	Poster	PC1.	LANCASTER UNIVERSITY
P6	511	Experimental Study of Electron Resistance on the surface of Neon	KA WING YIP	TOMOYUKI TANI, JUI-YIN LIN, MIKHAIL BELIANCHIKOV AND DENIS KONSTANTINOV	Poster	PC1.	OKINAWA INSTITUTE OF SCIENCE AND TECHNOLOGY
P7	513	Ultra-dilute silica aerogels for investigation of impurity effects on order parameter collective modes in superfluid ^3He	D. PARK, J.W. SCOTT, X.YUAN, AND W.P. HALPERIN		Poster	PC1.	DEPARTMENT OF PHYSICS AND ASTRONOMY, NORTHWESTEN UNIVERSITY
P8	518	Optimized Fabrication and Operation of a Continuously Operating ^4He dc-SHeQUID	P. DANYLCHENKO	F. NOVOTNÝ, A. GHEORGHE, S. HARAŠTA, D. SCHMORANZER	Poster	PC1.	FACULTY OF MATHEMATICS AND PHYSICS, CHARLES UNIVERSITY, PRAGUE, 121 16, CZECH REPUBLIC
P9	531	Density Measurement of Electrons on a Helium Surface by Vibrating Capacitor Electrometer Method	ZIKANG WANG	HIROKI IKEGAMI	Poster	PC1.	INSTITUTE OF PHYSICS, CHINESE ACADEMY OF SCIENCES
P10	533	Anomalous Paramagnetic Response of Superfluid $^3\text{He-B}$ in Stretched Aerogels	TAKESHI MIZUSHIMA		Poster	PC1.	OSAKA UNIVERSITY

P11	539	DC electric field-driven discretized excitation spectra in Mott insulators	KOUDAI SUGIMOTO		Poster	PC1.	KEIO UNIVERSITY
P12	548	Torsional oscillator studies of sub-monolayer Helium films on graphite	JÁN NYÉKI	BRIAN COWAN, JEEVAK PARPIA, AND JOHN SAUNDERS	Poster	PC1.	ROYAL HOLLOWAY, UNIVERSITY OF LONDON, UNITED KINGDOM
P13	556	Multipole and fracton topological order via gauging foliated symmetry protected topological phases	HIROMI EBISU	MASAZUMI HONDA, TAIICHI NAKANISHI	Poster	PC1.	YUKAWA INSTITUTE FOR THEORETICAL PHYSICS, KYOTO UNIVERSITY
P14	559	High-pressure synthesis of carrier-doped RuX ₃ (X = Cl, Br) with honeycomb structure	E. LEE	K. OCHI, Y. IMAI, A. SUZUKI, AND K. OHGUSHI	Poster	PC1.	DEPT. OF PHYS., GRAD. SCH. OF SCI., TOHOKU UNIV
P15	598	QUEST-DMC: A Superfluid Bolometer for a Direct Dark Matter Search	T. SALMON	ON BEHALF OF THE QUEST-DMC COLLABORATION	Poster	PC1.	LANCASTER UNIVERSITY
P16	653	Charged helium surfaces under electrical excitation: Imaging Wigner crystallization	SHRIGANESH NEERAMOOLE	SOUTIK SUR, DILLIP KUMAR PRADHAN AND AMBARISH GHOSH	Poster	PC1.	INDIAN INSTITUTE OF SCIENCE BANGALORE
P17	690	Microwave SCR coupled with superfluid thin-film surface waves for analogue gravity experiments	C. MARTÍNEZ-IZQUIERDO	S. KUMAR, T. SPEAKE, S. HIBBITT, M. KENWORTHY, AND X. ROJAS	Poster	PC1.	ROYAL HOLLOWAY, UNIVERSITY OF LONDON
P18	695	Energy Emission from a Trapped Quantum Vortex in Superfluid Helium	A. LESTER	F. NOVOTNY, N. MORRISON, S. Ó'PEATÁIN, L. MELNIKOVSKY, M.T. NOBLE, V. ZAVJALOV, V. TSEPELIN, S. KAFANOV	Poster	PC1.	LANCASTER UNIVERSITY
P19	702	Multistability in superfluid helium flow induced by an oscillating nanowire	ANDREI GHEORGHE	JAKUB MIKEŠ, STANISLAV HARAŠTA, ANDREI GHEORGHE, DMITRY ZMEEV, AND DAVID SCHMORANZER	Poster	PC1.	CHARLES UNIVERSITY
P20	1076	Probing Superfluid 4He with a Carbon Nanotube Oscillator	SCOTT HENDERSON	SAMULI AUTTI, DEEPANJAN DAS, SABA KHAN, MALCOLM POOLE, ZAKARIA SAADI, ROCH SCHANEN, PATRICK STEGER, DMITRY ZMEEV, EDWARD LAIRD	Poster	PC1.	Lancaster University
P21	878	Scattering-Induced Anomalous Fluidic Hall Effect in Chiral 3He-A	PRIYA SHARMA		Poster	PC1.	UNIVERSITY OF SURREY
P22	1077	Cryogenic endoscopic iSCAT microscopy of quantum-vortices	LUKE E. KELLY	NICOLE LUU, DANIEL FOSHEE, JESSE J. SLIM, WARWICK P. BOWEN, CHRISTOPHER G. BAKER	Poster	PC1.	SCHOOL OF MATHEMATICS AND PHYSICS, UNIVERSITY OF QUEENSLAND

P23	525	Fabrication methods for disordered superconducting thin films	KATJA KOHOPÄÄ	P. R. KÄRKKÄINEN, A. RONZANI, R. N. JABDARAGHI, A. BERA, M. RIBEIRO, D. HAZRA, J. SENIOR, M. PRUNNILA, J. GOVENIUS, J. S. LEHTINEN, G. POPOV, T. HATANPÄÄ, M. BAGHERI, H.-P. KOMSA, M. HEIKKILÄ, K. MIZOHATA, M. CHUNDAK, P. DEMINSKYI, A. VIHervaara, J. HÄTINEN, M. MARÍN-SUÁREZ, G. KESTUTIS, M. PUTKONEN, M. RITALA, A. KEMPPINEN	Poster	PC2.	VTT TECHNICAL RESEARCH CENTRE OF FINLAND LTD
P24	529	Dual role of stripe phase on superconducting correlation in a bilayer square lattice	TING GUO		Poster	PC2.	BEIJING NORMAL UNIVERSITY
P25	532	Detecting the Topological Phase Transition in Superconductor-Semiconductor Hybrids by Electronic Raman Spectroscopy	TAKESHI MIZUSHIMA	YUKIO TANAKA, JORGE CAYAO	Poster	PC2.	OSAKA UNIVERSITY
P26	535	Superconducting acoustogalvanic effect in twisted transition metal dichalcogenides	TSUGUMI MATSUMOTO	RYOTARO SANO, YOUICHI YANASE, AKITO DAIDO	Poster	PC2.	KYOTO UNIVERSITY
P27	536	Flux-flow instability in superconducting single-crystal TiN films caused by heated electrons	ELMIRA BAEVA	N. TITOVA, S. SAHA, A. BOLTASSEVA, S. BOGDANOV, V.M. SHALAEV, G. GOLTSMAN, AND A. KOLBATOVA	Poster	PC2.	MOSCOW PEDAGOGICAL STATE UNIVERSITY
P28	540	Spin-orbital physics in fulleride superconductors coupled with Jahn-Teller phonons	NATSUKI OKADA	TATSUYA MIKI, SHINTARO HOSHINO	Poster	PC2.	CHIBA UNIVERSITY
P29	552	New Ti-rich Yttrium-containing Superconducting High-Entropy Alloys with High Upper Critical Field	B. RUSIN	M. BABIJ, R. IDCZAK	Poster	PC2.	UNIVERSITY OF WROCŁAW
P30	560	¹³ C NMR Studies on a Doped Spin Liquid Candidate, k-(BEDT-TTF) ₄ Hg _{2.89} Br ₈ under Pressure	KAZUYA MIYAGAWA	MIZUKI URAI, RINA TAKAGI, HIROMI TANIGUCHI AND KAZUSHI KANODA	Poster	PC2.	UNIVERSITY OF TOKYO
P31	562	Reconsideration of Coherent States for Path-Integration Formalism of Hubbard Model	Y. YAMASAKI	S. HOSHINO	Poster	PC2.	DEPARTMENT OF PHYSICS, SAITAMA UNIVERSITY

P32	569	Discovery of a New Phase in Thin Flakes of KV3Sb5 under Pressure	ZHEYU WANG	LINGFEI WANG, KING YAU YIP, YING KIT TSUI, TSZ FUNG POON, WENYAN WANG, CHUN WAI TSANG, SHANMIN WANG, DAVID GRAF, ALEXANDRE POURRET, GABRIEL SEYFARTH, GEORG KNEBEL, KWING TO LAI, WING CHI YU, WEI ZHANG AND SWEE K. GOH	Poster	PC2.	THE CHINESE UNIVERSITY OF HONG KONG
P33	570	Finite-momentum superconductivity in two-dimensional altermagnets with a Rashba-type spin-orbit coupling	KOHEI MUKASA	YUSUKE MASAKI	Poster	PC2.	TOHOKU UNIVERSITY
P34	591	Charge accumulation at pair breaking edges of strongly correlated d-wave superconductors	AMBJÖRN JOKI	MIKAEL FOGELSTRÖM, TOMAS LÖFWANDER	Poster	PC2.	CHALMERS UNIVERSITY OF TECHNOLOGY
P35	604	Electronic structure, orders and correlations in copper-substituted lead apatites probed via DFT+DMFT	IHOR SUKHENKO	VOLODYMYR KARBIVSKYY, NATALIA KURGAN, NAZAR SHVACHKO, VOLODYMYR ZAIKA, SVITLANA SMOLYAK, SERHII SHULYMA	Poster	PC2.	G.V. KURDYUMOV INSTITUTE FOR METAL PHYSICS OF THE NAS OF UKRAINE
P36	611	Theory of superconducting proximity effect in hole-based hybrid semiconductor-superconductor devices	D. MICHEL PINO	RUBÉN SEOANE SOUTO, MARÍA JOSÉ CALDERÓN, RAMÓN AGUADO AND JOSÉ CARLOS ABADILLO-URIEL	Poster	PC2.	MATERIALS SCIENCE INSTITUTE OF MADRID (ICMM-CSIC)
P37	613	Experimental observation of Multiple Andreev Reflection at the interface with a spin-split superconductor	DAVID CALDEVILLA-ASENJO	S. CATALANO, G. STEFFENSEN, M. ILYN, E. STRAMBINI, F. S. BERGERET, C. ROGERO	Poster	PC2.	CENTRO DE FISICA DE MATERIALES (CFM-MPC), CSIC-UPV/EHU, E-20018 DONOSTIA, SPAIN
P38	616	Vortex configurations in mesoscopic chiral p-wave superconductors	HEESANG KIM	DAEHAN PARK	Poster	PC2.	SOONGSIL UNIVERSITY
P39	618	Quantum criticality in heavy-fermion superconductor CeCo1-xNixIn5 investigated by Hall-resistivity measurements	RYOSUKE KOIZUMI	TEPPEI TAKAHASHI, HAYAO FUJIMOTO, YUSEI SHIMIZU, AI NAKAMURA, DAI AOKI, KENICHI TENYA, AND MAKOTO YOKOYAMA	Poster	PC2.	IBARAKI UNIVERSITY
P40	621	Linear response of Higgs mode in the pair-density-wave state of a multiband superconductor	RAIGO NAGASHIMA	TITOUAN MOUILLERON, NAOTO TSUJI	Poster	PC2.	THE UNIVERSITY OF TOKYO

P41	631	Dynamics of Domain Walls and Quantum Vortices in type-II Superconductors Under Gradients of temperature/Spin Density	TAKUMA KANAKUBO	YUSUKE KATO	Poster	PC2.	THE UNIVERSITY OF TOKYO
P42	642	Emergence of Odd-Parity Intra-Unit-Cell Bond-Order and Nematicity in Ti-based Kagome Metal CsTi3Bi5	JIANXIN HUANG	R. TAZAI, Y. YAMAKAWA, T. MORIMOTO, H. KONTANI	Poster	PC2.	NAGOYA UNIV.
P43	644	THz Bolometer Based on Graphene Josephson Junction	XIANGYU ZHOU	DENIS BANDRUIN, ANDREI KUDRIASHOV, MIKHAIL KRAVTSOV	Poster	PC2.	NATIONAL UNIVERSITY OF SINGAPORE
P44	649	Phase Separation Induced by Density-Dependent Hopping Terms in t-J Model	KAZUHIRO KUBOKI		Poster	PC2.	KOBE UNIVERSITY
P45	669	The gauge theory dual of a two-dimensional bilayer superconductor and its phase diagram	PYE TON HOW	SUNGKIT YIP	Poster	PC2.	ACADEMIA SINICA
P46	673	Carrier concentration dependence of band structure in monolayer TiSe2	KOKI YANAGIZAWA	KATSUAKI SUGAWARA, TAKAFUMI SATO	Poster	PC2.	TOHOKU UNIVERSITY
P47	674	Magnetic Susceptibility Study of the Topological Superconductor YbRh2Si2	PETRA KNAPPOVÁ	MARIJN LUCAS, JAN KNAPP, LEV LEVITIN, JAN NYEKI, ANDREW CASEY, KRISTIN KLIEMT, CORNELIUS KRELLNER, MANUEL BRANDO, BRIAN COWAN, JOHN SAUNDERS	Poster	PC2.	ROYAL HOLLOWAY, UNIVERSITY OF LONDON
P48	676	Search for thermodynamically stable ambient-pressure superconducting hydrides in GNoME database	YUE-WEN FANG	ANTONIO SANNA, TIAGO F. T. CERQUEIRA, ION ERREA	Poster	PC2.	CENTRO DE FÍSICA DE MATERIALES (CFM-MPC), CSIC-UPV/EHU, MANUEL DE LARDIZABAL PASEALEKUA 5, 20018 DONOSTIA/SAN SEBASTIÁN, SPAIN
P49	682	Magnetic Phases of YbRh2Si2, Effect of the Hyperfine Interactions and Isotopic Enrichment	JAN KNAPP	LEV V. LEVITIN, JAN NYEKI, BRIAN COWAN, MANUEL BRANDO, CHRISTOPH GEIBEL, KRISTIN KLIEMT, SEBASTIAN WITT, CORNELIUS KRELLNER, JOHN SAUNDERS	Poster	PC2.	ROYAL HOLLOWAY UNIVERSITY OF LONDON
P50	685	Spin-resolved Josephson diode effect through strongly spin-polarized conical magnets	DANILO NIKOLIĆ	NIKLAS. L. SCHULZ AND MATTHIAS ESCHRIG	Poster	PC2.	INSTITUTE OF PHYSICS, UNIVERSITY OF GREIFSWALD

P51	696	Nodeless Superconducting State in the Presence of Zero-Field Staggered Magnetization in CeRh ₂ As ₂	JAROSLAW JURASZEK	G. CHAJEWSKI, M. KONCZYKOWSKI, S. KHIM, M. BRANDO, D. KACZOROWSKI, D.F. AGTERBERG, AND T. CICHOREK	Poster	PC2.	INSTITUTE OF LOW TEMPERATURE AND STRUCTURE RESEARCH, POLISH ACADEMY OF SCIENCES, WROCLAW 50-422, POLAND
P52	700	Transfer of Angular Momentum Induced by a Vortex Beam in a Superconductor	KANG DAEMO	SOTA KITAMURA, TAKAHIRO MORIMOTO	Poster	PC2.	THE UNIVERSITY OF TOKYO
P53	710	Extended van Hove Singularity in Kagome-Honeycomb Superconductor	TAKEMI KATO	TOMONORI NAKAMURA, KOSUKE NAKAYAMA, TAKUMI OSUMI, SEIGO SOUMA, ASUKA HOMMA, ALEXANDRE ANTEZAK, PEDRO REZENDE GONÇALVES, KIYOHISA TANAKA, MIHO KITAMURA, KENICHI OZAWA, KOJI HORIBA, HIROSHI KUMIGASHIRA, TAKASHI TAKAHASHI, FRANCK FORTUNA, ANDRÉS FELIPE SANTANDER-SYRO, YOSHINORI OKADA, AND TAKAFUMI SATO	Poster	PC2.	OKINAWA INSTITUTE OF SCIENCE AND TECHNOLOGY
P54	712	Superconductivity in Ba ₅ Ir ₇ Ge ₄ derived from MgCu ₂ -type Laves phase BaIr ₂	TERUNARI KOSHINUMA	HIROSHI FUJIHISA, YOSHITO GOTOH, IZUMI HASE, SHIGEYUKI ISHIDA, HIRAKU OGINO, HIROSHI EISAKI, TAICHIRO NISHIO, AKIRA IYO, KENJI KAWASHIMA	Poster	PC2.	IMRA JAPAN CO., LTD.
P55	713	Detailed structure of magnetic excitation in hole-doped cuprate superconducting system LSCO and impurity effect	IKEUCHI KAZUHIKO	FUJITA MASAKI, NAKAJIMA KENJI, KAJIMOTO RYOICHI, AND WAKIMOTO SHUICHI	Poster	PC2.	INSTITUTE OF MATERIALS STRUCTURE SCIENCE, KEK
P56	742	Broken time-reversal symmetry in CaAg _{0.9} Pd _{0.1} P detected by tunneling spectroscopy	NAOKI MATSUBARA	DAICHI HIDAKA, SEIKA NISHIGAKI, RIKIZO YANO, HARUKA TANIGUCHI, YOSHIHIKO OKAMOTO AND SATOSHI KASHIWAYA	Poster	PC2.	NAGOYA UNIVERSITY
P57	746	Transport measurements on InAs-Al hybridized islands	JI-YIN WANG	JUNZE ZHANG, JESPER NYGARD AND HONGQI XU	Poster	PC2.	BEIJING ACADEMY OF QUANTUM INFORMATION SCIENCES
P58	747	Relationship between superconducting transition temperature and charge density wave in layered superconductor NbTe ₂	TAKAYA SHIMOKAWA	YUKIKO OBATA, YUYA KANEKO, HIRO TAKADA, KAITO SATO, HAYATO MAKINO, KAZUTOSHI SHIMAMURA, HIROYUKI OKAMOTO, MASASHI OHASHI, MASAO OBATA, TATSUKI ODA1, AND YASUO YOSHIDA	Poster	PC2.	KANAZAWA UNIVEERSITY

P59	751	Valence State in CeTlIn5 (T = Co, Rh) under pressure	KENJI FUJIWARA	KOHICHI AKAMATSU, MASAHIRO MANAGO, GAKU MOTOYAMA, AND SHIJO NISHIGORI	Poster	PC2.	SHIMANE UNIVERSITY
P60	753	Tunable superconducting diode effect in higher-harmonic InSb nanosheet interferometers	XINGJUN WU	PO ZHANG, DONG PAN, H. Q. XU	Poster	PC2.	BEIJING ACADEMY OF QUANTUM INFORMATION SCIENCES
P61	783	Collective excitations and magnetic response of the Fulde-Ferrell-Larkin-Ovchinnikov state in two dimensional superconductors	RYOGA MIWA	RYOI OHASHI, SATOSHI FUJIMOTO, TAKESHI MIZUSHIMA	Poster	PC2.	OSAKA UNIVERSITY
P62	787	First-principles study of the carrier density dependence of superconducting transition temperature in electron-doped SrTiO3	RIKU IKAIDA	KAZUHIRO SANO, YOSHIMI MASUDA, TAKUYA SEKIKAWA, TOSHIAKI ŌNO	Poster	PC2.	NIIGATA UNIVERSITY
P63	788	Enhanced Superconducting State in a Nano-sized Dirty Superconductor	MASARU KATO	TERUKAZU NISHIZAKI	Poster	PC2.	OSAKA METROPOLITAN UNIVERSITY
P64	576	Specific heat anomaly of the valence transition in EuRh2Si2 under pressure	SHIJO NISHIGORI	KENSHIN KANESAKI	Poster	PC3.	SHIMANE UNIVERSITY
P65	580	Quasi-fractionalization in Cluster-Based Haldane State on Triangular Spin Tube	TAKANORI SUGIMOTO	TAKAMI TOHYAMA	Poster	PC3.	OSAKA UNIVERSITY
P66	594	Quantum metric and critical localization in a 1D quasicrystal	QUENTIN MARSAL	PATRIC HOLMVALL, ANNICA M. BLACK-SCHAFER	Poster	PC3.	UPPSALA UNIVERSITET
P67	603	Nature of spin excitations in a frustrated honeycomb magnet BaCo2(AsO4)2	MAJ MEJAK	MARTIN KLANJŠEK	Poster	PC3.	JOŽEF STEFAN INSTITUTE
P68	606	Josephson effect in Tellurium Weyl semiconductor nanoribbons	K. NIHERYSH	A. FELSHARUK, J. ANDZANE, D. ERTS, T. BAUCH, AND F. LOMBARDI	Poster	PC3.	CHALMERS UNIVERSITY OF TECHNOLOGY
P69	615	Significant thermoelectric response from reduced dimensionality in kagome superconductor CsV3Sb5	QUN NIU	ZHEN LU,XIANG HUANG,DONG CHEN,QUN NIU,AND MINGLIANG TIAN, JIAO LI	Poster	PC3.	UNIVERSITY OF SCIENCE AND TECHNOLOGY OF CHINA
P70	617	Piezomagnetic Effect in Noncoplanar Antiferromagnets	HIROKI NANJO	YOSHINORI IMAI, TAKUYA AOYAMA, JUNICHI YAMAURA, NODOKA HATAKEYAMA, YEONG-GI SO, KAZUHIRO NAWA, TAKU J SATO, AND KENYA OHGUSHI	Poster	PC3.	TOHOKU UNIVERSITY

P71	623	Magnetic properties of a spin-1/2 octagonal lattice	SATOSHI MOROTA	TAKANORI KIDA, MASAYUKI HAGIWARA, YASUYUKI SHIMURA, YOSHIKI IWASAKI, AND HIRONORI YAMAGUCHI	Poster	PC3.	OSAKA METROPOLITAN UNIVERSITY
P72	624	Quantification of electronic asymmetry: chirality and axiality in solids	TATSUYA MIKI	HIROAKI IKEDA, MICHITO SUZUKI, SHINTARO HOSHINO	Poster	PC3.	SAITAMA UNIVERSITY
P73	625	Anomalous magnetotransport properties of the half-Heusler antiferromagnet TbPtSb	ABHINAV AGARWAL	OREST PAVLOSIUK, PIOTR WIŚNIEWSKI, DARIUSZ KACZOROWSKI	Poster	PC3.	INSTITUTE OF LOW TEMPERATURE AND STRUCTURE RESEARCH, POLISH ACADEMY OF SCIENCES
P74	635	Thermoelectric Effects Originating from Multiple Bands in Spin-1 Fermion Systems	RISAKO KIKUCHI	JUNYA ENDO AND AI YAMAKAGE	Poster	PC3.	NAGOYA UNIVERSITY
P75	637	Transport theory of an electron-phonon system: Crossover from phonon drag to phonon-mediated electron hydrodynamics	KEIGO TAKAHASHI	HIROYASU MATSUURA, HIDEAKI MAEBASHI, MASAO OGATA	Poster	PC3.	UNIVERSITY OF TOKYO
P76	641	Nodal Structures on Surface Superconductivity in Wallpaper Fermion Systems	KAITO YODA	AI YAMAKAGE	Poster	PC3.	NAGOYA UNIVERSITY
P77	643	Magnetic field angle dependence of specific heat in multiferroic Sr ₂ CoGe ₂ O ₇	MITSURU AKAKI	TAKUMI KIHARA, MOTOI KIMATA, AND HIROYUKI NOJIRI	Poster	PC3.	INSTITUTE FOR MATERIALS RESEARCH, TOHOKU UNIVERSITY
P78	660	Physical Properties of Z ₄ Parafermions in a Two-Site System	YOICHI SUGIYAMA	YUKI YAMASAKI, SHINTARO HOSHINO	Poster	PC3.	SAITAMA UNIVERSITY
P79	662	Quantum critical point followed by Kondo-like behavior due to Cu substitution in itinerant, antiferromagnet La ₂ (Cu _x Ni _{1-x}) ₇	RAQUEL A RIBEIRO	ATREYEE DAS, SIHAM MOHAMED, TYLER J. SLADE, JUAN SCHMIDT, SERGEY L. BUD'KO, PAUL C. CANFIELD	Poster	PC3.	IOWA STATE UNIVERSITY
P80	663	Orbital ordering, bandgap, and polaron hopping in low-T magnetite	NIKITA FOMINYKH	VLADIMIR STEGAILOV	Poster	PC3.	MOSCOW INSTITUTE OF PHYSICS AND TECHNOLOGY
P81	670	Critical enhancement of nonlinear optical responses in one-dimensional multiferroic magnets	RYOSUKE YAMASHITA	SHINTARO TAKAYOSHI, TAKAHIRO MORIMOTO	Poster	PC3.	THE UNIVERSITY OF TOKYO
P82	678	A Novel way to Obtain Twisted Bilayer Graphene via Wet Transfer	SANTIAGO D. BARRIONUEVO	J.M. NUÑEZ, F.J. IBAÑEZ, M.H. AGUIRRE	Poster	PC3.	UNIVERSITY OF ZARAGOZA
P83	691	Thermal conductivity measurement in the quantum critical compound Ce ₃ Pd ₂₀ Si ₆	GWENVREDIG LE ROY	DUY HA NGUYEN, XINLIN YAN, ANDREY PROKOFIEV, SILKE BÜHLER-PASCHEN	Poster	PC3.	TECHNISCHE UNIVERSITÄT WIEN

P84	704	The effect of Kitaev Exchange Interaction and Anisotropy on Magnons in the NiI ₂ from Magneto-Optical Spectroscopy	DANIEL BAZYLIANSKY	KARTIK PANDA, JAVIER TABOADA-GUTIÉRREZ, JAN DZIAN, FLORIAN LE MARDELÉ, GUY LEVY, BUMCHAN PARK, JAE HA KIM, YOUJIN LEE, CHAEBIN KIM, JE-GEUN PARK, JAE HOON KIM, ALEXEY B. KUZMENKO, MILAN ORLITA, NIMROD BACHAR	Poster	PC3.	DEPARTMENT OF PHYSICS, ARIEL UNIVERSITY, ISRAEL
P85	705	Persistent Magnetic Coherence in Magnet	TAKAHIKO MAKIUCHI	T. HIOKI, H. SHIMIZU, K. HOSHI, M. ELYASI, K. YAMAMOTO, N. YOKOI, A. A.	Poster	PC3.	RIKEN
P86	716	High thermoelectric power of heavy fermion YbT ₂ Zn ₂₀ (T = Co, Rh) at low temperatures	KAZUYUKI MATSUBAYASHI	YUDAI SUZUKI, KAZUKI KUDO, MASATO HEDO, YOSHIYA UWATOKO	Poster	PC3.	THE UNIVERSITY OF ELECTRO-COMMUNICATIONS/DEPARTMENT OF ENGINEERING SCIENCE
P87	722	The magnetic structures and excitations of RCrO ₃ (R = La, Er, and Ho)	SHINICHIRO YANO		Poster	PC3.	NSRRC, TAIWAN
P88	724	Increasing the Interlayer Spacing of Ternary Transition Metal Chalcogenides by Intercalation of Organic Molecules	YUTO HASUO	TAKAHIRO URATA, TAKAFUMI HATANO, MASAACKI ARAIDAI, HIROSHI IKUTA	Poster	PC3.	NAGOYA UNIVERSITY, JAPAN
P89	736	Magnetic Spin Hall Effect in Altermagnetic MnTe	RYOSUKE HIRAKIDA	KARMA TENZIN, CHAO CHEN YE, BERKAY KILIC, JAGODA SŁAWIŃSKA	Poster	PC3.	THE UNIVERSITY OF TOKYO
P90	738	Metal-Insulator Transition in Bulk Polycrystalline MoS ₂ Induced by an Electric Field	Y. SHIMAZU	T. MIYATAKE, H. WATANABE, AND M. UEHARA	Poster	PC3.	YOKOHAMA NATIONAL UNIVERSITY
P91	740	Observation of a large piezomagnetic effect in olivine-type oxide Co ₂ SiO ₄	TAKERU TANIGUCHI		Poster	PC3.	TOHOKU UNIVERSITY
P92	749	Electronic density of state of unconventional superconductor UTe ₂ studied by point contact spectroscopy	T.TERAMOTO	F. HONDA, M. SHIGA, T. TAKAHASHI, S. TAKAHASHI, D.X. LI, A. NAKAMURA, Y. HOMMA, Y. SHIMIZU, A. MIYAKE, D. AOKI, AND T. KAWAE	Poster	PC3.	KYUSHU UNIVERSITY
P93	597	Fabricating CVD graphene Josephson junctions with a scalable process	SETH BENNETT	MICHAEL THOMPSON AND JONATHAN PRANCE	Poster	PC4.	LANCASTER UNIVERSITY
P94	638	Theory of Spin Polarization Induced by Local Electric Current Injection in Chiral Crystals	K. YOSHIMI	S. SUMITA, Y. SUZUKI, AND Y. KATO	Poster	PC4.	THE UNIVERSITY OF TOKYO
P95	652	Floquet Landau level of Dirac electrons in AC-magnetic fields	SOTA KITAMURA	TAKASHI OKA	Poster	PC4.	UNIVERSITY OF TOKYO

P96	661	Josephson force in a vibrating carbon nanotube Josephson junction	ANDREAS K. HÜTTEL	JUKKA-PEKKA KAIKKONEN, KEIJO KORHONEN, PERTTI HAKONEN	Poster	PC4.	UNIVERSITY OF REGENSBURG
P97	664	Universal scaling of adiabatic tunneling out of a shallow confinement potential	NIELS UBBELOHDE	A. AKMENTIŇŠ, D. REIFERT ¹ , T. WEIMANN ¹ , K. PIERZ AND V. KASHCHEYEV	Poster	PC4.	PHYSIKALISCH-TECHNISCHE BUNDESANSTALT (PTB)
P98	680	Size Threshold for Edge State Emergence in Graphene Quantum Dots	SANTIAGO D. BARRIONUEVO	J.M. NUÑEZ, F.J. IBAÑEZ, M.H. AGUIRRE	Poster	PC4.	UNIVERSITY OF ZARAGOZA
P99	684	New Low-Temperature Anomalies in the Heat Capacity of Carbon Nanotubes	A. JEZOWSKI	M. BARABASHKO, A. KRIVCHIKOV, D. SZEWCZYK	Poster	PC4.	INSTITUTE OF LOW TEMPERATURE AND STRUCTURE RESEARCH
P100	689	Bulk electron localization and topology - interplay of disorder and electron-electron interaction	JIAN HUANG	HOAI ANH HO, L. N. PFEIFFER, K. W. WEST	Poster	PC4.	WAYNE STATE UNIVERSITY
P101	731	Quantum Interference in Strained Graphene Nanostructures	MASAHIKO HAYASHI	YASUNARI TANUMA, HIDEO YOSHIOKA, AKINOBU KANDA	Poster	PC4.	AKITA UNIVERSITY
P102	750	Interplay between nonequilibrium quasiparticle relaxation and dynamic supercurrent enhancement in aluminum superconducting constriction junctions	JENG-CHUNG CHEN	SHUNG-KANG KOH , PEI-YUAN LI , CHING-PING LEE , IO-CHUN HOI , YEN-HSIANG LIN , CHUNG-YU MOU , DAH-CHIN LING , YUNG-FU CHEN , AND CEN-SHAWN WU	Poster	PC4.	NATIONAL TSING-HUA UNIVERSITY
P103	767	Observation of electronic modes in open cavity resonator	H. CHOI	H. JUNG, D.T. PARK, S. LEE, U. KIM, C. YANG, J. KIM, V. UMANSKY, D. KIM. H.-S. SIM, Y. CHUNG, H.K. CHOI	Poster	PC4.	KAIST
P104	772	Entropy Measurement in a Mesoscopic Double Quantum Dot	HYOUNGSOON CHOI	U. KIM, S. LEE, K. YOON, M. KIM, D.T. PARK, H. JUNG, H.-S. SIM, Y. CHUNG, H.K. CHOI	Poster	PC4.	KAIST
P105	774	Microwave-Assisted Unidirectional Superconductivity in Al-InAs Nanowire-Al Junctions under Magnetic Fields	HAITIAN SU	JI-YIN WANG, HAN GAO, YI LUO, SHILI YAN, XINGJUN WU, GUOAN LI, JIE SHEN, LI LU, DONG PAN, JIANHUA ZHAO, PO ZHANG, AND H. Q. XU	Poster	PC4.	PEKING UNIVERSITY
P106	781	Time-resolved transport of ultrashort electronic wavepackets through a quantum dot	THOMAS VASSELON	THOMAS KLOSS, SEDDIK OUACEL, MATTEO ALUFFI, LUCAS MAZZELLA, CLÉMENT GEFFROY, JASHWANTH SHAJU, ANDREAS D. WIECK, ARNE LUDWIG, HERMANN SELLIER, XAVIER WAIN TAL AND CHRISTOPHER BÄUERLE	Poster	PC4.	INSTITUT NÉEL, CNRS

P107	791	Supercurrent and Multiple Andreev Reflections in a Ge/Ht Wire Josephson Junction	HAN GAO	JIANHUAN WANG, JIYIN WANG, HONGQI XU	Poster	PC4.	BEIJING ACADEMY OF QUANTUM INFORMATION SCIENCES
P108	361	Elastic Softening due to Neutral Vacancy Orbital in Synthetic Diamond	TATSUYA YANAGISAWA	RUO HIBINO, HIROYUKI HIDAKA, HIROSHI AMITSUKA, TOSHIYUKI TASHIMA, MITSUHIRO AKATSU, YUICHI NEMOTO, SERGEI ZHERLITSYN, AND JOACHIM WOSNITZA	Poster	PC5.	HOKKAIDO UNIVERSITY
P109	544	Evaluating CPW Superconducting Resonators based on α -Tantalum Films	GEMMA RIUS	MARIA BENITO-GOMES, IGNACIO GIMENO, FERNANDO LUIS, AND GEMMA RIUS1	Poster	PC5.	INSTITUTE OF MICROELECTRONICS OF BARCELONA (IMB-CNM-CSIC)
P110	551	Shaping surface acoustic wave spectral properties using Fano interference	PRANAYA KISHORE RATH	MONAWAR MESBAH, CAMRYN UNDERSHUTE, AUSTIN SCHLEUSNER, JOHANNES POLLANEN	Poster	PC5.	MICHIGAN STATE UNIVERSITY
P111	555	Dynamically Corrected Quantum Gates Designed Geometrically	YASUSHI KONDO	SHINGO KUKITA	Poster	PC5.	KINDAI UNIVERSITY
P112	563	Efficiency Analysis of Compressed Sensing Quantum State Tomography for Qudit Systems	YOSHIYUKI KAKIHARA	DAISUKE YAMAMOTO, GIACOMO MARMORINI	Poster	PC5.	NIHON UNIVERSITY
P113	584	Easing Hybrid Quantum Devices enabled by Shadow Wall Lithography	GEMMA RIUS	ALBERT GUERRERO, ÁNGEL IBABE, DAVID CALDEVILLA, MAXIM ILYN, MARIA D'ANTUONO, EDUARDO JH LEE	Poster	PC5.	IMB-CNM-CSIC
P114	648	On-Demand Microwave Storage and Retrieval via Quantum Interference Using a Superconducting Artificial Chiral Atom	KAI-I CHU	WEN-TE LIAO, YUNG-FU CHEN	Poster	PC5.	NATIONAL CENTRAL UNIVERSITY
P115	667	Tunable coupling of a quantum phononic resonator to a transmon qubit via galvanic-contact flip-chip architecture	LI LI	XINHUI RUAN, DONG NING ZHENG, ZHONGCHENG XIANG	Poster	PC5.	INSTITUTE OF PHYSICS, CHINESE ACADEMY OF SCIENCES
P116	672	Coupling Electrons on Solid Neon to Superconducting Resonator	JUN WANG	Y. TIAN, A. JENNINGS, I. GRYTSENKO, O. RYBALKO, X. ZHOU, D. JIN, H. TERAJ, AND E. KAWAKAMI	Poster	PC5.	RIKEN
P117	709	Cryogenic Measurement Platform for Microwave-Optical Transducers	ASEM ELARABI	SUSAN JOHNNY, JONATHAN WILLIAMS	Poster	PC5.	NATIONAL PHYSICAL LABORATORY
P118	744	10-GHz band frequency modulation of terahertz radiation from cuprate superconductors	KEITARO SUGIMOTO	ITSUHIRO KAKEYA, MASASHI MIYAMOTO, RYOTA KOBAYASHI, MANABU TSUJIMOTO	Poster	PC5.	KYOTO UNIVERSITY

P119	609	Low temperature magnetic thermometry with LCSI 372 Resistance Bridge	VLADIMIR SHVARTS	ASHLEY HUFF	Poster	PC6.	GOOGLE
P120	619	Overview of the Operational Status of the Cryogenic System for RAON in 2024	JAE HEE SHIN	INMYUNG PARK, MIN KI LEE, SEOJEONG KIM, JUNGHYUN YOO, HYUN CHUL JO, GYUHO LEE, JINWOOK KIM, JAEHAK HAN, YEONSEI CHUNG	Poster	PC6.	INSTITUTE FOR BASIC SCIENCE
P121	630	Integrated Sub-Kelvin Refrigerator Using ADR and DR with Low Helium-3 Inventory	BYEUNGCHEOL AN	MINSEUNG KU, JAEHWAN JEONG, AND SANGKWON JEONG	Poster	PC6.	KOREA ADVANCED INSTITUTE OF SCIENCE AND TECHNOLOGY
P122	654	Optimization of magnetization rate for the superfluid magnetic pump	YI LIAO	XVMING LIU, SHU GUO, GÉRARD ROUILLÉ, AND CHANGZHAO PAN	Poster	PC6.	SOUTHERN UNIVERSITY OF SCIENCE AND TECHNOLOGY
P123	665	On-site Issues and Maintenance of SCL2 Cryogenic Plant at RAON	JINWOOK KIM	HYUN CHUL JO, JUNGHYUN YOO, INMYUNG PARK, MIN KI LEE, SEOJEONG KIM, GYUHO LEE, JAEHAK HAN, YONG TAE CHOI, AND JAE HEE SHIN	Poster	PC6.	INSTITUTE FOR BASIC SCIENCE (IBS)
P124	730	Commissioning results of a cryogenic helium plant for Korean heavy ion accelerator after 3 years overhaul	JUNGHYUN YOO	INMYUNG PARK, JINWOOK KIM, HYUN CHUL JO, MIN KI LEE, SEOJEONG KIM, GYUHO LEE, JAEHAK HAN, JAE HEE SHIN	Poster	PC6.	INSTITUTE FOR RARE ISOTOPE SCIENCE (IRIS), INSTITUTE FOR BASIC SCIENCE (IBS)
P125	770	Numerical Evaluation of Nanopore Heat Exchanger Performance for Helium at Dilution Refrigerator Temperatures	TAKU MATSUSHITA	AZIMJON A.TEMURJONOV, TAKU MATSUSHITA, MITSUNORI HIEDA, AND NOBUO WADA	Poster	PC6.	DEPARTMENT OF PHYSICS, NAGOYA UNIVERSITY
P126	776	Magnetism and magnetocaloric effects in Er _{0.9} R _{0.1} Ni (R = Gd, Tb, Dy, Ho) compounds: Effect of the multiplexing of rare earth in ErNi	LIJUAN ZHAO	SOTARO NISHIOKA AND AKIKO T. SAITO	Poster	PC6.	NATIONAL INSTITUTE FOR MATERIALS SCIENCE
P127	829	The Cryo-Platform at LNGS: an underground millikelvin hub for low-temperature Astroparticle Physics	ANTONIO D'ADDABBO		Poster	PC6.	INFN - LNGS