

Friday, 8 August

	ID	Title	Main Author	Coauthors	Type	Theme Area	University / Institution or Company	Presentation
P1	18	Cryocrystals: Universal empirical relation for hump in low-temperature isochoric heat capacity	ALEXANDER KRIVCHIKOV	MAKSYM BARABASHKO	Poster	PC1	B. VERKIN INSTITUTE FOR LOW TEMPERATURE PHYSICS AND ENGINEERING, NASU	Friday, 8
P2	68	Thermodynamic driving of superfluid helium thin films	LUKE KELLY	CHRISTOPHER G. BAKER, WARWICK P. BOWEN	Poster	PC1	THE UNIVERSITY OF QUEENSLAND	Friday, 8
P3	70	H2 superglass on an amorphous carbon substrate	JORDI BORONAT	M. CARMEN GORDILLO	Poster	PC1	UNIVERSITAT POLITECNICA DE CATALUNYA	Friday, 8
P4	112	Fully coupled dynamics of the two-fluid model: superfluid turbulence enhanced by normal-fluid turbulence	MAKOTO TSUBOTA	SATOSHI YUI, HIROMICHI KOBAYASHI, RIO YOKOTA	Poster	PC1	OSAKA METROPOLITAN UNIVERSITY, JAPAN	Friday, 8
P5	113	Universal Turbulent States of Miscible Two-Component Bose-Einstein Condensates	MAKOTO TSUBOTA	ISSEI DOKI	Poster	PC1	OSAKA METROPOLITAN UNIVERSITY, JAPAN	Friday, 8
P6	122	Data-driven method for predicting quantum dynamics: dynamic mode decomposition approach	RYUI KANEKO	MASATOSHI IMADA, YOSHIYUKI KABASHIMA, AND TOMI OHTSUKI	Poster	PC1	SOPHIA UNIVERSITY	Friday, 8
P7	124	Coherent wave propagation in disordered potentials in the presence of Rashba and Dresselhaus spin-orbit coupling	MASATAKA KAKOI	CHRISTIAN MINIATURA, KEITH SLEVIN	Poster	PC1	OSAKA UNIVERSITY	Friday, 8
P8	162	Rotating counterflow in Helium II: from waves to quantum turbulence	FLORIAN LORIN	CORENTIN BOURJAILLAT, CHARLES PERETTI, PIERRE-PHILIPPE CORTET, MATHIEU GIBERT	Poster	PC1	CNRS, INSTITUT NÉEL	Friday, 8
P9	169	Horizontal Motion of Superfluid Pendant Droplets on a Flat Surface	RYUJI NOMURA	RYOTA YAMANE, SHOTA TAKAMATSU, TOMOYUKI TANI, YURI ISHIMOTO, YUKI AOKI	Poster	PC1	HOKKAIDO UNIVERSITY	Friday, 8
P10	178	Nanofluidic Helmholtz resonators as probes of finite size effects in superfluid ^4He	FILIP NOVOTNÝ	MAREK TALÍŘ, EMIL VARGA	Poster	PC1	FACULTY OF MATHEMATICS AND PHYSICS, CHARLES UNIVERSITY	Friday, 8

P11	185	Strong correlation effects on the Anderson impurity model subject to one-body loss	KAZUKI YAMAMOTO	MASAYA NAKAGAWA, NORIO KAWAKAMI	Poster	PC1	INSTITUTE OF SCIENCE TOKYO (TOKYO INSTITUTE OF TECHNOLOGY)	Friday, 8
P12	190	Inverse energy transfer in finite-temperature superfluid vortex reconnections	PIOTR Z. STASIAK	ANDREW BAGGALEY, CARLO F. BARENGHI, GIORGIO KRSTULOVIC, LUCA GALANTUCCI	Poster	PC1	NEWCASTLE UNIVERSITY	Friday, 8
P13	213	Phase diagram of dissipative fermionic superfluids on honeycomb and hypercubic lattices	SOMA TAKEMORI	KAZUKI YAMAMOTO, AKIHISA KOGA	Poster	PC1	INSTITUTE OF SCIENCE TOKYO	Friday, 8
P14	214	Dynamics of Massive Quantum Vortices with Universal Scales in Superfluids	AKIHIRO KANJO	HIROMITSU TAKEUCHI	Poster	PC1	OSAKA METROPOLITAN UNIVERSITY	Friday, 8
P15	215	Critical Velocity of a Bose-Einstein Condensate along Potential Walls	AKIHIRO KANJO	HIROMITSU TAKEUCHI	Poster	PC1	OSAKA METROPOLITAN UNIVERSITY	Friday, 8
P16	244	Core phase transition of a circular domain wall in a ferromagnetic spinor Bose-Einstein condensate	WOORYOUNG YUN	HIROMITSU TAKEUCHI, AND SE KWON KIM	Poster	PC1	KOREA ADVANCES INSTITUTE OF SCIENCE AND TECHNOLOGY	Friday, 8
P17	251	Nonrelativistic scale and conformal invariance in mesoscopic Fermi gases	VIKTOR BEKASSY	JOHANNES HOFMANN	Poster	PC1	CHALMERS UNIVERSITY OF TECHNOLOGY	Friday, 8
P18	252	Probing Fractional Quantum Hall states in weakly interacting Fermi gases	VIKTOR BEKASSY	JOHANNES HOFMANN	Poster	PC1	CHALMERS UNIVERSITY OF TECHNOLOGY	Friday, 8
P19	258	High-frequency nonlinear conductivity of a Wigner crystal	A.J. SCHLEUSNER	N.R. BEYSENGULOV, C.A. MIKOLAS, M. ELEWA, D.G. REES, M.I. DYKMAN, J. POLLANEN	Poster	PC1	MICHIGAN STATE UNIVERSITY	Friday, 8
P20	1067	Transformation of flow pattern around a cylinder in superfluid helium-4	SHIRAN BAO	Yingxuan Hu	Poster	PC1	INSTITUTE OF REFRIGERATION AND CRYOGENICS, ZHEJIANG UNIVERSITY	Friday, 8
P21	1068	Low-temperature specific heat features of monohalide adamantane derivatives	GRZEGORZ CHAJEWSKI	Andrzej Jeżowski, Claudio Cazorla, Josep Lluís Tamarit and Daria Szewczyk	Poster	PC1	INSTITUTE OF LOW TEMPERATURE AND STRUCTURE RESEARCH PAS, 50-422 WROCŁAW	Friday, 8

P22	2	Emergence of a condensate with finite-energy Cooper pairing in hybrid exciton/superconductor systems	VIKTORIA KORNICH		Poster	PC2.	UNIVERSITY OF WÜRZBURG	Friday, 8
P23	20	Enhanced superconductivity in the point contacts of topological semimetal t-PtBi ₂	OKSANA KVITNITSKAYA	YURII NAIDYUK, SAICHARAN ASWARTHAM, GRIGORY SHIPUNOV, DMITRI EFREMOV, AND BERND BÜCHNER	Poster	PC2.	LEIBNIZ-INSTITUTE FOR SOLID STATE AND MATERIALS RESEARCH, IFW-DRESDEN, GERMANY	Friday, 8
P24	22	Superfluid density wave and vortex-antivortex array in two weakly linked superconducting ultrathin films	YI ZHOU		Poster	PC2.	CHINESE ACADEMY OF SCIENCES, INSTITUTE OF PHYSICS	Friday, 8
P25	26	Evolution of quantum criticality in underdoped cuprates	CHANGSHUAI LAN	CHENGYU YAN, SHUN WANG	Poster	PC2.	HUAZHONG UNIVERSITY OF SCIENCE AND TECHNOLOGY	Friday, 8
P26	29	Charge Stripe Manipulation of Superconducting Pairing Symmetry Transition	TIANXING MA	CHAO CHEN, XUE LEI, PEIGENG CHEN, RUNYU MA, YING LIANG, SHIJIE HU, TIANXING MA, HAI-QING LIN AND BING HUANG	Poster	PC2.	BEIJING NORMAL UNIVERSITY	Friday, 8
P27	38	Applicability of Landauer Formalism on transport properties of Fe-based high-T _c superconductors	K. K. CHOUDHARY	PRERNA DUBEY, PARAS DUBEY, NAVIN KUMAR AND NETRAM KAURAV	Poster	PC2.	ARMY CADET COLLEGE, INDIAN MILITARY ACADEMY, DEHRADUN - 248007 (UK), INDIA	Friday, 8
P28	46	Mechanism of d-Wave Superconductivity in a Two-Dimensional Kondo-Heisenberg Model Mediated by Short-Range Antiferromagnetic Correlations	TAKAO MORINARI		Poster	PC2.	KYOTO UNIVERSITY	Friday, 8
P29	69	X-ray Spectroscopic Study of Pb Substitution Effect in BiS ₂ -based Superconductor	ATSUSHI YAMASAKI		Poster	PC2.	KONAN UNIVERSITY	Friday, 8
P30	99	Physical properties and electronic structure of a two-gap superconductor V ₂ Ga ₅	CHIEN-LUNG HUANG		Poster	PC2.	NATIONAL CHENG KUNG UNIVERSITY	Friday, 8

P31	120	Unusual crossover from low-temperature T-quadratic resistivity in the underdoped pseudogap phase of cuprate superconductors to T-linear resistivity in the overdoped strange-metal phase	SHIPING FENG	XINGYU MA, MINGHUAN ZENG, AND HUAIMING GUO	Poster	PC2.	DEPARTMENT OF PHYSICS, FACULTY OF ARTS AND SCIENCES, BEIJING NORMAL UNIVERSITY, ZHUHAI 519087, CHINA AND SCHOOL OF PHYSICS AND ASTRONOMY, BEIJING NORMAL UNIVERSITY, BEIJING 100875, CHINA	Friday, 8
P32	127	Manipulating disorder to probe the superconducting gap symmetry and normal state electronic behavior of infinite-layer nickelates	ABHISHEK RANNA		Poster	PC2.	MAX PLANCK INSTITUTE FOR CHEMICAL PHYSICS OF SOLIDS, GERMANY	Friday, 8
P33	129	Gap Anisotropy in Layered Superconductors Due to Spin-Orbit Interactions	B. TANATAR	B. SULEYMANLI	Poster	PC2.	BILKENT UNIVERSITY	Friday, 8
P34	133	Microscopic evidence of charge- and spin-density waves in $\text{La}_3\text{Ni}_2\text{O}_7-\delta$ revealed by ^{139}La -NQR	J. LUO	J. FENG, G. WANG, N. N. WANG, J. DOU, A. F. FANG, J. YANG, J. G. CHENG, GUO-QING ZHENG AND R. ZHOU	Poster	PC2.	INSTITUTE OF PHYSICS, CHINESE ACADEMY OF SCIENCES	Friday, 8
P35	141	Laser Scanning Microscopy of Superconducting Microwave Metamaterials and Devices	ARTHUR CARLTON-JONES	STEVEN M ANLAGE	Poster	PC2.	UNIVERSITY OF MARYLAND	Friday, 8
P36	144	Penetration Properties of Superconductors. New Results on an Old Problem.	V. KOZHEVNIKOV	A.-M. VALENTE-FELICIANO, T. PROKSCHA, P. J. BAKER, A. POLYANSKII AND C. VAN HAESENDONCK	Poster	PC2.	TULSA COMMUNITY COLLEGE/KU LEUVEN	Friday, 8
P37	145	Small Angle Neutron Scattering in a Superconductor in the Meissner and Mixed States	V. KOZHEVNIKOV	D. ALBA VENERO, A.-M. VALENTE-FELISIANO, S. MÜHLBAUER	Poster	PC2.	TULSA COMMUNITY COLLEGE	Friday, 8
P38	151	Study of the vortex pinning in REBCO superconducting tapes irradiated by deuterium plasma	HONGWEI GU	FAZHU DING, DAXING HUANG, HAO YU, HAO DONG	Poster	PC2.	INSTITUTE OF ELECTRICAL ENGINEERING, CHINESE ACADEMY OF SCIENCES	Friday, 8

P39	152	Massive quantized gauge fields with Higgs-like boson fields and anomalous properties in high-Tc cuprates	IKUZO KANAZAWA		Poster	PC2.	DEPARTMENT OF PHYSICS, TOKYO GAKUGEI UNIVERSITY, AND RESERTCH CENTER FOR MICRO-NANO TECHNOLOGY, HOSEI UNIVERSITY	Friday, 8
P40	154	Altermagnetism-induced spatially nonuniform superconductivity	SHUNTARO SUMITA	MAKOTO NAKA AND HITOSHI SEO	Poster	PC2.	THE UNIVERSITY OF TOKYO	Friday, 8
P41	158	Thermal and Magnetic Properties of GdBCO Superconductors Fabricated by Unidirectional Melt Growth	DARIA SZEWCZYK	PIOTR STACHOWIAK, NICOLAS ROTHEUDT AND PHILIPPE VANDERBEMDEN	Poster	PC2.	INSTITUTE OF LOW TEMPERATURES AND STRUCTURE RESEARCH PAS	Friday, 8
P42	164	Low-temperature Heat Transport under Phonon Confinement	ALEXEJ D. SEMENOV	MARIIA SIDOROVA, ALESSIO ZACCONE	Poster	PC2.	DLR INSTITUTE OF OPTICAL SENSORSYSTEMS	Friday, 8
P43	167	Inhomogeneity, fluctuations, and gap filling in overdoped cuprates	BILL ATKINSON	MIGUEL SULANGI, WILLEM FARMILO, ANDREAS KREISEL, PETER HIRSCHFELD	Poster	PC2.	TRENT UNIVERSITY	Friday, 8
P44	177	Persistent current in graphene proximitized by non-superconducting InO	AMIT KEREN	RON VISHNIVETSKY, AVIAD FRIDMAN, IRINA VOLOTSENKO	Poster	PC2.	TECHNION ISRAEL INSTITUTE OF TECHNOLOGY	Friday, 8
P45	181	Electrodynamics of the high-Tc superconductor $\text{La}_3\text{Ni}_2\text{O}_7$: Far-infrared microscopy under high-pressure.	ALEXANDER V. BORIS	P. REISS, K. S. RABINOVICH, P. PUPHAL, B. GASHAROVA, Y.-L. MATHIS, AND B. KEIMER	Poster	PC2.	MAX PLANCK INSTITUTE FOR SOLID STATE RESEARCH, STUTTGART, GERMANY	Friday, 8
P46	183	Recombination of localized quasiparticles in disordered superconductors	STEVEN DE ROOIJ	REMKO FERMIN, KEVIN KOUWENHOVEN, TONNY COPPENS, DAVID J. THOEN, JAN AARTS, JOCHEM J. A. BASELMANS AND PIETER J. DE VISSER	Poster	PC2.	SRON, NETHERLANDS INSTITUTE FOR SPACE RESEARCH	Friday, 8
P47	193	Li-intercalated FeSe as a high-temperature superconducting ferromagnet	YI HU	KEYI LIANG, JIE LI, ZHIJIE LI, FANYU MENG, HECHANG LEI, JIYUAN WANG, HUIZHEN WEN, RUOZHOU ZHANG, JIAQIANG CAI, JINGLEI ZHANG, YI LU, YI-HUA WANG, QI-KUN XUE AND DING ZHANG	Poster	PC2.	TSINGHUA UNIVERSITY	Friday, 8
P48	197	Fabrication of Nb SQUIDS based on Focused Ion Beam milling	JORGE PEREZ-BAILON	JAVIER SESE, MARIA JOSE MARTINEZ-PEREZ	Poster	PC2.	NANOSCIENCE AND MATERIALS INSTITUTE OF ARAGON (INMA)	Friday, 8

P49	223	Effects of Buffer Layers on Superconductivity of Tantalum Thin Films Sputtered on Silicon Substrates	MIN-JUI LIN	WEI-HSIANG KAO, YI-PEI LIN, YI-AN YU, AND JIUN-YUN LI	Poster	PC2.	GRADUATE INSTITUTE OF ELECTRONICS ENGINEERING, NATIONAL TAIWAN UNIVERSITY	Friday, 8
P50	233	The study on wavelength dependence of optical anisotropy in Bi ₂ -xPbxSr ₂ CaCu ₂ O ₈ + δ using the G-HAUP	KEIGO TOKITA	KENTA NAKAGAWA, KUN ZHANG, KOMEI OKANO, MASATAKA MATSUMOTO, TAKUYA NAKANISHI, MASAKI FUJITA AND TORU ASAH	Poster	PC2.	TOHOKU UNIVERSITY	Friday, 8
P51	239	Muon Knight Shift in Superconducting Sr ₂ RuO ₄	HISAKAZU MATSUKI	YOSHITERU MAENO, ATSUTOSHI IKEDA, GIORDANO MATTONI, RUSTEM KHASANOV, JONAS KRIEGER, THOMAS HICKEN, HUBERTUS LUETKENS, JAKE BOBOWSKI, WATARU HIGEMOTO, RYUTARO OKUMA, SHUNSAKU KITAGAWA, KENJI ISHIDA	Poster	PC2.	TOYOTA RIKEN - KYOTO UNIVERSITY RESEARCH CENTER (TRIKUC), KYOTO, JAPAN	Friday, 8
P52	241	Realization of de Gennes' Absolute Superconducting Switch with a Heavy Metal Interface	HISAKAZU MATSUKI	ALBERTO HIJANO, GRZEGORZ P. MAZUR, STEFAN ILIĆ, BINBIN WANG, YULIYA ALEKHINA, KOHEI OHNISHI, SACHIO KOMORI, YANG LI, NADIA STELMASHENKO, NILADRI BANERJEE, LESLEY F. COHEN, DAVID W. MCCOMB, F. SEBASTIÁN BERGERET, GUANG YANG, AND JASON W. A. ROBINSON	Poster	PC2.	DEPARTMENT OF MATERIALS SCIENCE & METALLURGY, UNIVERSITY OF CAMBRIDGE, CAMBRIDGE, U.K.	Friday, 8
P53	39	Theory of the Minimum of the Inverse of the Magnetic Susceptibility in Nearly Ferromagnetic Metals	RIKIO KONNO		Poster	PC3.	KINDAI UNIVERSITY TECHNICAL COLLEGE	Friday, 8
P54	40	Size-Restricted Magneto-Transport in the Delafossite Metals	MICHAL MORAVEC	GRAHAM BAKER, MAJA D. BACHMANN, NABHANILA NANDI, CARSTEN PUTZKE, SEUNGHYUN KHIM, MARKUS KOENIG, PHILIP J.W. MOLL, ANDREW P. MACKENZIE	Poster	PC3.	MAX PLANCK INSTITUTE FOR CHEMICAL PHYSICS OF SOLIDS, DRESDEN, GERMANY	Friday, 8

P55	44	Detection of quantum phase transitions via quantum reservoir probing	KAITO KOBAYASHI	YUKITOSHI MOTOME	Poster	PC3.	DEPARTMENT OF APPLIED PHYSICS, UNIVERSITY OF TOKYO	Friday, 8
P56	60	Frustrated quantum magnet Cs ₂ CoBr ₄ : magnetoelastic effects	VIOLA ROMERIO	J.NAGL, L.FACHERIS, G. HOHL, K. YU. POVAROV, S. GVASALIYA, Z. YAN, A. ZHELUDEV	Poster	PC3.	LABORATORY FOR SOLID STATE PHYSICS, ETH ZÜRICH	Friday, 8
P57	75	Model analysis for magnetic-ion-dilution effects on electronic states of valence fluctuating systems	TETSUYA MUTOU	TOMOKA TSUCHIE	Poster	PC3.	SHIMANE UNIVERSITY	Friday, 8
P58	78	Exhaustive theory of fractional corner charges in various crystal shapes	HIDETOSHI WADA	TIANTIAN ZHANG, AND SHUICHI MURAKAMI	Poster	PC3.	INSTITUTE OF SCIENCE TOKYO	Friday, 8
P59	82	Visualizing magnetic topological material NdSb	ÓSCAR BOU MARQUÉS	JOSE A. MORENO, JUAN SCHMIDT, EDWIN HERRERA, HERMANN SUDEROW, ISABEL GUILLAMÓN AND PAUL C. CANFIELD	Poster	PC3.	UNIVERSIDAD AUTÓNOMA DE MADRID	Friday, 8
P60	86	Wannier Interpolation of Spin Accumulation Coefficient	ATSUO SHITADE	EMI MINAMITANI	Poster	PC3.	THE UNIVERSITY OF OSAKA	Friday, 8
P61	89	Nanoscale phase-slip domain walls in the charge density wave state of the topological semimetal candidate NbTe ₄	JOSE AUGUSTO GALVIS	PAULA GIRALDO GALLO	Poster	PC3.	UNIVERSIDAD DEL ROSARIO	Friday, 8
P62	111	Magnetostriction Driving Double Multiferroic Transitions in Polar Co ₃ BPO ₇	HUNG-DUEN YANG		Poster	PC3.	NATIONAL SUN YAT-SEN UNIVERSITY	Friday, 8
P63	132	Magnetization Plateaus of the S=2 Antiferromagnetic Chain with Competing Anisotropies	TORU SAKAI	TOMOKI HOUDA,TOMOHIDE KAWATSU,HARUTO SUZUKI,RYOMA HASEGAWA,YUKI HAMAZAKI,HIROKI NAKANO,KIYOMI OKAMOTO	Poster	PC3.	UNIVERSITY OF HYOGO	Friday, 8
P64	135	Measurement of Phonon Angular Momentum via the Einstein-de Haas Effect and a Single-Crystal-Silicon Double-Torsional Oscillator	JOHN T. MARKERT	MATTHEW DWYER, DEVAN SHOEMAKER, AND JOHN T. MARKERT	Poster	PC3.	DEPARTMENT OF PHYSICS, THE UNIVERSITY OF TEXAS AT AUSTIN	Friday, 8

P65	173	Hidden Charge Order and Multiple Electronic Instabilities in EuTe ₄	KEBIN XIAO	WEN-HAN DONG, XINTONG WANG, JIAWEI YU, DARAN FU, ZHIQIANG HU, YUNKAI GUO, QINQIN ZHANG, XIAOFEI HOU, YANFENG GUO, LEXIAN YANG, YONG XU, PEIZHE TANG, WENHUI DUAN, QIKUN XUE, AND WEI LI	Poster	PC3.	TSINGHUA UNIVERSITY	Friday, 8
P66	174	Twist Angle Driven Electronic Structure Evolution of Twisted Bilayer Graphene	GUIHAO JIA	JIAWEI YU, QIAN LI, PIERRE A. PANTALEÓN, ZHEN ZHAN, YUYANG WANG, KEBIN XIAO, YONGKANG JU, HONGYUN ZHANG, ZHIQIANG HU, YUNKAI GUO, BIAO LIAN, PEIZHE TANG, FRANCISCO GUINEA, SHUYUN ZHOU, QI-KUN XUE, AND WEI LI	Poster	PC3.	TSINGHUA UNIVERSITY	Friday, 8
P67	179	Are magnetic monopoles at the origin of magnetoelectricity in spin ices?	S. DE BRION	Y. ALEXANIAN, J.SAUGNIER, C. DECORSE? J. ROBERT, R. BALLOU, E. LHOTEL, J. DEBRAY, F. GAY, V. SIMONET	Poster	PC3.	INSITITUT NEEL / UGA - CNRS	Friday, 8
P68	180	Photo- and magnetic field-induced phase switching at a Mott insulator-to-metal transition	ALEXANDER V. BORIS	K. S. RABINOVICH, T. PRIESSNITZ, A. N. YARESKO, B. KEIMER	Poster	PC3.	MAX PLANCK INSTITUTE FOR SOLID STATE RESEARCH, STUTTGART, GERMANY	Friday, 8
P69	192	Exploring Low-Temperature Quantum Magnetism in Quasi-One-Dimensional Cobalt Vanadates ACoV ₂ O ₇ (A = Ca, Sr)	ANZAR ALI	MASAHIKO ISOBE	Poster	PC3.	MAX PLANCK INSTITUTE FOR SOLID STATE RESEARCH, STUTTGART, GERMANY	Friday, 8
P70	209	Tuning Asymmetric Magnetic Interactions in the Chiral Helimagnet YbNi ₃ Al ₉ via Si Substitution	SHIGEO OHARA	YUDAI KAKO, SHUTARO KITO, SHOTA NAKAMURA	Poster	PC3.	NAGOYA INSTITUTE OF TECHNOLOGY	Friday, 8
P71	218	Quantum criticality and multipartite entanglement via finite-temperature spin dynamics	TOKURO SHIMOKAWA	SNIGDH SABHARWAL, NIC SHANNON	Poster	PC3.	OKINAWA INSTITUTE OF SCIENCE AND TECHNOLOGY GRADUATE UNIVERSITY	Friday, 8

P72	220	Spin Green's function approach to the Kitaev model at Finite Temperature	HIBIKI TAKEGAMI	TAKAO MORINARI	Poster	PC3.	KYOTO UNIVERSITY	Friday, 8
P73	224	Exceptional Second-Order Topological Insulators	YUTARO TANAKA	DAICHI NAKAMURA, RYO OKUGAWA, AND KOHEI KAWABATA	Poster	PC3.	RIKEN	Friday, 8
P74	229	AC magnetic susceptibility in the weak ferromagnetic transition of alpha-Sm2S3	SHUJI EBISU	TAKERU KONA, RYUTA HORII, DAICHI YAMAKAWA, RYO ISHIGAKI, MASANORI MIYAZAKI	Poster	PC3.	MURORAN INSTITUTE OF TECHNOLOGY	Friday, 8
P75	232	Strong non-linear elasticity in the magnetic Dirac semimetal EuMnBi2 under uniaxial pressure	CAITLIN I. O'NEIL	HILARY M.L. NOAD, ANDREW P. MACKENZIE, HIDEAKI SAKAI, ELENA GATI	Poster	PC3.	MAX-PLANCK-INSTITUT FÜR CHEMISCHE PHYSIK FESTER STOFFE	Friday, 8
P76	243	Scanning SQUID Imaging of Noncollinear Antiferromagnetic Domains in EuTiO3 film	ILYA SOCHNIKOV	J. BEDARD, J. FRANKLIN, Z. RITCHEY, M. D. MORALES-ACOSTA, M. JAIN	Poster	PC3.	UNIVERSITY OF CONNECTICUT	Friday, 8
P77	254	Measurement and simulation of magnetostriction in skyrmion-hosting MnSc2S4	JUSTUS GRUMBACH	MARTIN ROTTER , MAHMOUD DEEB , SERGEY GRANOVSKY , VLADIMIR TSURKAN, LILIAN PRODAN , AND MATHIAS DOERR	Poster	PC3.	TU DRESDEN - IFMP	Friday, 8
P78	268	Low-Temperature Raman and X-ray studies of the nonmagnetic phase transition in 12L Perovskite Ba4BiIr3O12	KAEDE UNTEN	SHEETAL DEVI, TAKUMI HASEGAWA, JUN-ICHI YAMAURA, KAZUYUKI MATSUHIRA	Poster	PC3.	KYUSHU INSTITUTE OF TECHNOLOGY	Friday, 8
P79	270	NMR study equilateral triangular lattice antiferromagnet Ba2La2CoTe2O12	TAKAYUKI GOTO	KEITO MORIOKA, KENTA MORITA, TAKAYUKI GOTO, MASARI WATANABE, YUKI KOJIMA, NOBUYUKI KURITA, HIDEKAZU TANAKA, SATOSHI IGUCHI, TAKAHIKO SASAKI	Poster	PC3.	SOPHIA UNIVERSITY	Friday, 8
P80	282	Dirac Charge in Antiferromagnetic Topological Semimetals	KOHEI HATTORI	HIKARU WATANABE AND RYOTARO ARITA	Poster	PC3.	DEPARTMENT OF APPLIED PHYSICS, UNIVERSITY OF TOKYO, TOKYO 113-8656, JAPAN	Friday, 8
P81	1079	Topologically non-trivial WTe2 nanoscale materials: growth and magnetotransport	GUNTA KUNAKOVA	JEĽENA SUŠINSKA, NATALIA AMIRULLOIEVA, ARIS JANSONS, ANDREJS TEREHOVS, AGNESE SPUSTAKA	Poster	PC3.	INSTITUTE OF CHEMICAL PHYSICS, FACULTY OF SCIENCE AND TECHNOLOGY UNIVERSITY OF LATVIA	Friday, 8

P82	48	Gate-Controlled Quantum Interference Effects in a Clean Single-Wall Carbon Nanotube p-n Junction	NING KANG	XIAOSONG DENG	Poster	PC4.	PEKING UNIVERISTY	Friday, 8
P83	83	Quench dynamics of Kondo system	KACPER WRZEŚNIEWSKI	ANAND MANAPARAMBIL, IRENEUSZ WEYMANN	Poster	PC4.	FACULTY OF PHYSICS AND ASTRONOMY, ADAM MICKIEWICZ UNIVERSITY IN POZNAŃ	Friday, 8
P84	96	Dynamic Nuclear Spin Polarization of $\nu=2/3$ Fractional Quantum Hall States in multiply-connected Corbino geometry	AKIRA FUKUDA	AKIRA ENDO AND YOSHIKI HASHIMOTO	Poster	PC4.	HYOGO MEDICAL UNIVERSITY	Friday, 8
P85	97	Disorder-Induced Slow Relaxation of Phonon Polarization	YUTA SUZUKI	SHUICHI MURAKAMI	Poster	PC4.	INSTITUTE OF SCIENCE TOKYO	Friday, 8
P86	106	Size and Boundary Reflection Effects on Phonon Heat Transport in Cylindrical Conductors	J. AMRIT	K. NIEMCHENKO, YE NIEMCHENKO, S. ROGOVA AND T. VIKHTYNSKA	Poster	PC4.	PARIS SACLAY UNIVERSITY	Friday, 8
P87	109	Two-dimensional hydrodynamic viscous electron flow in annular Corbino rings	Z. BERKSON-KORENBERG	SUJATHA VIJAYAKRISHNAN, M. P. LILLY, L. W. ENGEL, T. SZKOPEK, K. W. WEST, L. N. PFEIFFER, AND G. GERVAIS	Poster	PC4.	MCGILL UNIVERSITY	Friday, 8
P88	123	Inductive van der Waals force between two superconducting loops	KICHEON KANG		Poster	PC4.	CHONNAM NATIONAL UNIVERSITY	Friday, 8
P89	148	Electronic Properties of Doped Graphene and C60 dimers	VLADIMIR BUBANJA	SANDEEP KAUR, BABITA RANI, ISHA MUDAHAR	Poster	PC4.	MEASUREMENT STANDARDS OF NEW ZEALAND, CALLAGHAN INNOVATION	Friday, 8
P90	175	Single InAs colloidal quantum dot transistors	KENJI SHIBATA	YUTO SASAKI, AKIRA SATO, TOMOKI TAKIGUCHI, TOMOHIRO OTSUKA	Poster	PC4.	TOHOKU INSTITUTE OF TECHNOLOGY	Friday, 8
P91	184	Peltier cooling in Corbino-geometry quantum Hall systems	AKIRA ENDO	YOSHIKI HASHIMOTO	Poster	PC4.	THE UNIVERSITY OF TOKYO	Friday, 8

P92	188	Signatures of surface magnetic disorder in single-crystal superconducting titanium nitride films	ANNA KOLBATOVA	E.BAEVA, A. LOMAKIN, N. TITOVA, A. SEMENOV, S. SAHA, A. BOLTASSEVA, S. BOGDANOV, V.M. SHALAEV, M.A. KIRSANOVA, S.A. EVLASHIN, V. KHRAPAI, AND G.N. GOLTSMAN	Poster	PC4.	MOSCOW PEDAGOGICAL STATE UNIVERSITY	Friday, 8
P93	195	Irradiated magnetotransport in ultra-high mobility 2D electron systems: role of quantum superposition.	JESUS INARREA	GLORIA PLATERO.	Poster	PC4.	UNIVERSIDAD CARLOS III	Friday, 8
P94	196	Percolation-like Behaviour and Correlation Effect of Hole-induced Magnetic Solitons in Diluted Magnetic Semiconductors	IKUZO KANAZAWA	TAKUMI HASHIMOTO	Poster	PC4.	DEPARTMENT OF PHYSICS, TOKYO GAKUGEI UNIVERSITY, AND RESERTCH CENTER FOR MICRO-NANO TECHNOLOGY, HOSEI UNIVERSITY	Friday, 8
P95	210	Circuit-Level-Configurable Zero-Field Superconducting Diodes: A Universal Platform Beyond Intrinsic Symmetry Breaking	XIAOFAN SHI	ZIWEI DOU, DONG PAN, GUOAN LI, JIANHUA ZHAO, JIANGPING HU, LI LU, JIE SHEN	Poster	PC4.	INSTITUTE OF PHYSICS, CHINESE ACADEMY OF SCIENCES	Friday, 8
P96	248	Single step fabrication of nano-optomechanical system arrays	ILYA GOLOKOLENOV	THIERRY CROZES, SERGEY KAFANOV, EDDY COLLIN	Poster	PC4.	UNIVERSITY OF BASEL	Friday, 8
P97	250	Quantitative calibration of a TWPA applied to an optomechanical platform	A. DELATTRE	I. GOLOKOLENOV, R. PEDURAND, X. ZHOU, N. ROCH, L. PLANAT, ARPIT RANADIVE, MARTINA ESPOSITO, M. SILLANPÄÄ, L. MERCIER DE LÉPINAY, A. D. ARMOUR, J. GLATTHARD, A. FEFFERMAN AND E. COLLIN	Poster	PC4.	CNRS GRENOBLE	Friday, 8
P98	272	Topological Josephson Trijunctions: Majorana Source and Path	KYUNGTAE KIM	JUNE-YOUNG M. LEE, HYEONGSEOP KIM, H.-S. SIM	Poster	PC4.	DEPARTMENT OF PHYSICS, KOREA ADVANCED INSTITUTE OF SCIENCE AND TECHNOLOGY, DAEJEON 34141, KOREA	Friday, 8
P99	1069	Twisted and Strained bilayer graphene: A platform for manipulating flat bands	FEDERICO ESCUDERO	DONG WANG, FRANCISCO GUINEA, SHENGJUN YUAN, PIERRE A. PANTALEÓN, AND ZHEN ZHAN	Poster	PC4.	IMDEA NANOSCIENCE	Friday, 8

P100	337	Revealing inter-band electron pairing in a superconductor with spin-orbit coupling	JON ORTUZAR	JAVIER ZALDÍVAR, MIGUEL ALVARADO, STEFANO TRIVINI, JULIE BAUMARD ,CARMEN RUBIO-VERDÚ, EDWIN HERRERA, HERMANN SUDEROW, ALFREDO LEVY YEYATI, F. SEBASTIAN BERGERET, AND JOSE IGNACIO PASCUAL	Poster	PC4.		Friday, 8
P101	98	Performance of Silicon photomultipliers at low temperatures	ALEKSEI SEMAKIN	OTTO HANSKI, TOM KIILERICH, SAMPSA AHOPELTO, JANNE AHOKAS, VIACHESLAV DVORNICHENKO, SERGEY VASILIEV	Poster	PC5.	UNIVERSITY OF TURKU	Friday, 8
P102	126	Fabrication and Characterization of Impedance-transformed Josephson Parametric Amplifier	XIAOHUI SONG	ZHENGYANG MEI , XUEYI GUO, XIANG LI , DONGNING ZHENG , ZHONGCHENG XIANG	Poster	PC5.	INSTITUTE OF PHYSICS, CHINESE ACADEMY OF SCIENCES	Friday, 8
P103	140	Plasma modes in the fluxonium qubit	SHELENDER KUMAR	WAEI ARDATI, DORIAN NICOLAS, VISHNU NARAYANAN SURESH, FRANCESCA D'ESPOSITO, LUCAS RUELA, OLIVIER BUISSON, QUENTIN FICHEUX AND NICOLAS ROCH	Poster	PC5.	INSTITUT NÉEL, CNRS 38042 GRENOBLE , FRANCE	Friday, 8
P104	143	Imaging individual two-level material defects by scanning gate microscopy	RIJU BANERJEE	MARIUS HEGEDUS, ANDREW HUTCHESON, TOMAS BARKER, S. MAHASHABDE, A.V. DANILOV, S. E. KUBATKIN, V. ANTONOV, AND S. E. DE GRAAF	Poster	PC5.	NATIONAL PHYSICAL LABORATORY	Friday, 8
P105	245	High-Performance C-Shunt Flux Qubit for Quantum Battery Applications with Optimized Charging Protocols	SILU ZHAO	LI LI, ZHONGCHENG XIANG, DONGNING ZHENG	Poster	PC5.	INSTITUTE OF PHYSICS, CHINESE ACADEMY OF SCIENCES	Friday, 8
P106	246	Fast microwave transport mediated by edge modes in Su–Schrieffer–Heeger model	WATSON KUO	Y.-H. CHANG, TING-YI LIN, YU-SHIANG WEN, WEI-LUN PENG, CEN-SHAWN WU, RAY-KUANG LEE	Poster	PC5.	NATIONAL CHUNG HSING UNIVERSITY	Friday, 8

P107	259	Generation of Multimode Entanglement in Cryogenic Quantum Circuits	ALESSANDRO ALOCCO	ANDREA CELOTTO, LUCA FASOLO, BERNARDO GALVANO, EMANUELE PALUMBO, LUCA CALLEGARO, PATRIZIA LIVRERI AND EMANUELE ENRICO	Poster	PC5.	POLITECNICO DI TORINO	Friday, 8
P108	304	Interdigital-capacitor-based Josephson traveling-wave parametric amplifier	YUKI NAKASHIMA	TAKAHIRO YAMADA, YOSHIRO URADE, MARC ARTUR GALI LABARIAS, SHUICHI NAGASAWA, FUMIHIRO CHINA AND KUNIHIRO INOMATA	Poster	PC5.	NATIONAL INSTITUTE OF ADVANCED INDUSTRIAL SCIENCE AND TECHNOLOGY (AIST)	Friday, 8
P109	352	Floquet Theory and Dynamical Localization in Low-Dimensional Condensed Matter Systems via Ab Initio Calculations	ASIER RIBECHINI	ÁLVARO RUIZ PUENTE-URIONA AND JULEN IBAÑEZ-AZPIROZ	Poster	PC5.	CENTRO DE FÍSICA DE MATERIALES (CSIC-UPV/EHU)	Friday, 8
P110	527	Ultrastrongly Coupled Gatemon Qubit	IGNACIO CASAL IGLESIAS	A. IBABE, L. SPLITTHOFF, G. O. STEFFENSEN, F. J. MATUTE-CAÑADAS, M. CALERO DE ORY, D. RODRÍGUEZ, D. GRANADOS, A. GÓMEZ, T. KANNE, J. NYGÅRD, A. LEVY YEYATI, E. LEE	Poster	PC5.	UNIVERSIDAD AUTÓNOMA DE MADRID	Friday, 8
P111	21	Qu-test: Photon number resolving using TES-SQUID detection chain	ERIK JELLYMAN	TOMI MATTILA, MIKKO KIVIRANTA, ANTTI MANNINEN, ISABEL GUEISSAZ-MATTELMÄKI, BEN WÄCHLI, DANIIL VILI, SARA POURJAMAL	Poster	PC6.	VTT	Friday, 8
P112	56	Development of an adiabatic nuclear demagnetization refrigerator at IOP CAS	ZHENGCHAO LIU	JUNYANG SONG, BINGBING TONG, HIROKI Ikegami	Poster	PC6.	INSTITUTE OF PHYSICS, CHINESE ACADEMY OF SCIENCES	Friday, 8
P113	128	Practical Noise Thermometry Optimized for Speed and Measurement Uncertainty	ALEXANDER KIRSTE	JOST ENGERT	Poster	PC6.	PHYSIKALISCH-TECHNISCHE BUNDESANSTALT (PTB)	Friday, 8
P114	160	Design and performance of a mK Scanning Probe Microscope for Imaging Two-Level System Defects in Live Superconducting Quantum Circuits	A. HUTCHESON	M. HEGEDÜS, R. BANERJEE, T. BARKER, A.V. DANILOV, S. E. KUBATKIN, V. ANTONOV, AND S. E. DE GRAAF	Poster	PC6.	NATIONAL PHYSICAL LABORATORY	Friday, 8

P115	171	Expeditious Method for Measuring Specific Heat at Low Temperatures	HIDEKI YAYAMA	ANBIN CHEN, FENGYU XU, XIHU ZHANG, YU CHENG, AND HIDEKI YAYAMA	Poster	PC6.	KELVINCE CO., LTD.	Friday, 8
P116	219	Dual-Mode Calorimetric Superconducting Nanowire Single Photon Detectors	HSIN-YEH WU	MARC BESANÇON ¹ , JIA-WERN CHEN ² , PISIN CHEN ^{3,4} , JEAN-FRANÇOIS GLICENSTEIN ¹ , SHU-XIAO LIU ^{2,4} , YU-JUNG LU ^{2,4} , XAVIER-FRANÇOIS NAVICK ¹ , STATHES PAGANIS ^{3,4} , BORIS TUCHMING ¹ , DIMITRA TSIONOU ⁴ , AND FENG-YANG TSAI ^{2,4} , HSIN-YEH WU ⁴ ¹ CEA-IRFU, PARIS-SACLAY UNIVERSITY 91190 GIF SUR YVETTE CEDEX, FRANCE ² RESEARCH CENTER FOR APPLIED SCIENCES, ACADEMIA SINICA, TAIPEI 11529, TAIWAN ³ LEUNG CENTER FOR COSMOLOGY AND PARTICLE ASTROPHYSICS, NATIONAL TAIWAN UNIVERSITY, TAIPEI 10617, TAIWAN ⁴ DEPARTMENT OF PHYSICS, NATIONAL TAIWAN UNIVERSITY, TAIPEI 10617, TAIWAN	Poster	PC6.	NATIONAL TAIWAN UNIVERSITY	Friday, 8
P117	316	Normal Metal Coulomb Blockade Thermometers: Wafer-scale Fabrication and Cryogenic Wafer Probing	L. LEHTISYRJÄ	J. LUOMAHARA, R. P. LORETO, J. JÄRVINEN, O. S. SEDEH, C. P. SCHELLER, J. LEHTINEN, J. PRANCE, M. THOMPSON, R. P. HALEY, N. YURTTAGÜL, D. M. ZUMBÜHL, M. PRUNNILA	Poster	PC6.	VTT TECHNICAL RESEARCH CENTRE OF FINLAND LTD	Friday, 8
P118	387	Microkelvin temperatures with a commercial magnetic field fluctuations thermometer	FRANCIS BETTSWORTH	MATHIAS RABA, SÉBASTIEN TRIQUENEAUX, JAMES BUTTERWORTH, ŠIMON MIDLIK, DAVID SCHMORANZER, ILYA GOLOKOLENOV, EDDY COLIN, ANDREW FEFFERMAN	Poster	PC6.	INSTITUT NÉEL, CNRS	Friday, 8

P119	392	Ultralow Temperature Studies of Quantum Systems in High Magnetic Fields at the Maglab High B/T Facility	CHAO HUAN		Poster	PC6.	DEPARTMENT OF PHYSICS AND THE MAGLAB HIGH B/T FACILITY, UNIVERSITY OF FLORIDA	Friday, 8
P120	401	Identification of Vibration Transmission Paths in Pulse-Tube Based Cryogenic Systems	SERENA D'ERAMO	JACOPO BRUNETTI, ANTONIO D'ADDABBO, WALTER D'AMBROGIO	Poster	PC6.	UNIVERSITÀ DEGLI STUDI DELL'AQUILA / LABORATORI NAZIONALI DEL GRAN SASSO DELL'INFN	Friday, 8
P121	447	Development of High-Purity Aluminum Thermal Links for Vibration Noise Abatement in CUORE/CUPID Pulse-Tubes Based Dilution Cryostat	SHIHONG FU	FILIPPO AGRESTI, ALBERTO BENATO, CARLO BUCCI, IRENE CALLIARI, ANTONIO D'ADDABBO, SERENA D'ERAMO, MIRIAM OLM, LUCA PEZZATO, MIRKO PIGATO, SIMONE QUITADAMO, AND ANDREA ZAMBON	Poster	PC6.	LABORATORI NAZIONALI DEL GRAN SASSO, INFN	Friday, 8
P122	645	Modular Cryogenic Architectures for Quantum-Limited Superconducting Detectors: Enabling Spaceflight Receivers, Quantum Optics, and Dark Matter Searches	HANNAH RANA		Poster	PC6.	HARVARD-SMITHSONIAN CENTER FOR ASTROPHYSICS	Friday, 8

Saturday, 9 August

	ID	Title	Main Author	Coauthors	Type	Theme Area	University / Institution or Company	Presentation
P1	269	Thermalization of Klein-Gordon bosons	TSUNG-HSUAN CHEN	CHE- H SIU HSUEH	Poster	PC1.	CHINESE CULTURE UNIVERSITY	Saturday, 9
P2	277	Multiple Phase Slip Phenomenon in ^4He Superflow through a Newly Developed Microslit Structure	TOMOYUKI TANI	RYOME WADA, KOHEI KAIYA, YUSUKE NAGO, SATOSHI MURAKAWA, KEIYA SHIRAHAMA	Poster	PC1.	HOKKAIDO UNIVERSITY	Saturday, 9
P3	278	Anomalous [2,0] Oscillation Mode of Superfluid Pendant Droplet	TOMOYUKI TANI	SHOTA TAKAMATSU, RYOTA YAMANE, YURI ISHIMOTO, YUKI AOKI, RYUJI NOMURA	Poster	PC1.	HOKKAIDO UNIVERSITY	Saturday, 9

P4	285	Investigating helium on a graphene resonator coupled with a superconducting microwave cavity	YONGMIN KANG	EUNSEONG KIM	Poster	PC1.	KAIST	Saturday, 9
P5	293	Dynamic scaling of vorticity in phase separation of superfluid mixtures	RYUTA ITO	HIROMITSU TAKEUCHI	Poster	PC1.	OSAKA METROPOLITAN UNIVERSITY	Saturday, 9
P6	303	Numerical Analysis of AdS/CFT-Inspired Phenomena in a Quantum Critical Spin System	DAICHI IMAGAWA	KEIJU MURATA AND DAISUKE YAMAMOTO	Poster	PC1.	NIHON UNIVERSITY	Saturday, 9
P7	307	A Channel Geometry of An Ion Pool for the Study of Vortex Nucleation in Superfluid 4He	ZIKANG WANG	HIROKI IKEGAMI	Poster	PC1.	INSTITUTE OF PHYSICS, CHINESE ACADEMY OF SCIENCES	Saturday, 9
P8	340	Coupling of nanomechanical resonators via a quantized vortex in superfluid 4He	SABA MEHSAR KHAN	VLADIMIR B. ELTSOV, SAAGA PIETARINEN	Poster	PC1.	AALTO UNIVERSITY	Saturday, 9
P9	345	Cryogenic atomic hydrogen source for loading magnetic traps	JANNE AHOKAS	ALEKSEI SEMAKIN, OTTO HANSKI, SLAVA DVORNICHENKO, TOM KIILERICH, FRANCOIS NEZ, PAULINE YZOMBARD, VALERY NESVIZHEVSKY, EBERHARD WIDMANN, PAOLO CRIVELLI, SERGEY VASILIEV	Poster	PC1.	UNIVERSITY OF TURKU	Saturday, 9
P10	355	Reynolds Similitude Meets Quantum Fluids	HIROMITSU TAKEUCHI		Poster	PC1.	OSAKA METROPOLITAN UNIVERSITY	Saturday, 9
P11	358	Application of POD analysis to superfluid wake systems	SOTA YONEDA	HIROMITSU TAKEUCHI	Poster	PC1.	DEPARTMENT OF PHYSICS, OSAKA METROPOLITAN UNIVERSITY	Saturday, 9
P12	363	Diffusion and Recombination of Hydrogen Atoms in Solid Hydrogen Deuteride at Low Temperatures	VLADIMIR V. KHEMELENKO	CAMERON K. WETZEL, DAVID M. LEE, SERGEI SHELUDIAKOV, JANNE AHOKAS AND SERGEY VASILIEV	Poster	PC1.	TEXAS A&M UNIVERSITY	Saturday, 9
P13	366	Vortex mass in superfluid Fermi gases along the BEC-BCS crossover	LUCAS LEVROUW	HIROMITSU TAKEUCHI, JACQUES TEMPERE	Poster	PC1.	UNIVERSITY OF ANTWERP	Saturday, 9

P14	376	Complex Phase Evolution of Submonolayer ^3He in the Commensurate- Incommensurate Transition	ATSUKI KUMASHITA	JUN, USAMI, YU YAMANE, SHIGEKI MIYASAKA, HIROSHI FUKUYAMA, AKIRA YAMAGUCHI	Poster	PC1.	UNIVERSITY OF HYOGO	Saturday, 9
P15	377	Surface X-ray Diffraction from Atomic-Layer He on Graphite: Current Status	AKIRA YAMAGUCHI	ATSUKI KUMASHITA, SHINNOSUKE KOMATSU, YU YAMANE, SHIGEKI MIYASAKA, JUN USAMI, HIROSHI FUKUYAMA, HIROO TAJIRI	Poster	PC1.	UNIVERSITY OF HYOGO	Saturday, 9
P16	379	Simulating Hawking Radiation from Evolving Black Holes with Quantum Many-Body Systems	YUKI MATSUNO	DAISUKE YAMAMOTO	Poster	PC1.	NIHON UNIVERSITY	Saturday, 9
P17	384	Transverse Acoustic Impedance of Bulk Superfluid ^4He	MITSUNORI HIEDA	TOMOYA TSUIKI ² , DAISUKE TAKAHASHI ³ , KEIYA SHIRAHAMA ² , YUICHI OKUDA ⁵ , KIMITOSHI KONO ^{4,5} , TAKU MATSUSHITA ⁶ AND NOBUO WADA ⁶	Poster	PC1.	INSTITUTE FOR LIBERAL ARTS, INSTITUTE OF SCIENCE TOKYO	Saturday, 9
P18	386	Superfluid ^4He hydrodynamics probed by levitating superconductors	SIMON MIDLIK	ARRAYÁS M., CLOTHIER J., EL BUCKLEY O., ELMY C., SCHANEN R., TRUEBA J., URIARTE C., ZMEEV D.	Poster	PC1.	CHARLES UNIVERSITY	Saturday, 9
P19	411	Freezing of surface TLS-induced electric dipoles by helium adsorption	KEIYA SHIRAHAMA	KOHEI OKAMURA, RYUKU IWAMA, YUSUKE NAG	Poster	PC1.	KEIO UNIVERSITY	Saturday, 9
P20	423	Thermal Counter Flow around a spherical bubble formed around a hot filament in superfluid ^4He	KIMITOSHI KONO	YING-HSI WU, WATARU ZHUANG, QI-YANG ZHOU, LI-YANG CHUANG, YU-LIN LU, YU-YING HO, FANG-TIEN LIN, FANG-YI LI, BEN-LI YOUNG, WEN-BIN JIAN	Poster	PC1.	DEPARTMENT OF ELECTROPHYSICS, NATIONAL YANG MING CHIAO TUNG UNIVERSITY, HSINCHU CITY, 300093, TAIWAN	Saturday, 9
P21	440	Electromechanics with nanofluidic superfluid acoustics	MAREK TALÍř	FILIP NOVOTNÝ, EMIL VARGA	Poster	PC1.	FACULTY OF MATHEMATICS AND PHYSICS, CHARLES UNIVERSITY,	Saturday, 9
P22	266	Possible pairing symmetry of $\text{BaPtAs}_{1-x}\text{Sbx}$ on the ordered honeycomb network	TSUYOSHI IMAZU	NAOYA FURUTANI, TADASHI ADACHI, KAZUTAKA KUDO, YOSHIKI IMAI AND JUN GORYO	Poster	PC2.	HIROSAKI UNIVERSITY	Saturday, 9
P23	276	Specific heat analyses and superconducting properties of transition-metal zirconides TrZr_2 exhibiting anomalous thermal expansion	YUTO WATANABE	CEREN TAYRAN, MEHMET ÇAKMAK, TAKAYOSHI KATASE, MD. RIAD KASEM, AICHI YAMASHITA, YOSHIKAZU MIZUGUCHI	Poster	PC2.	DEPARTMENT OF PHYSICS, TOKYO METROPOLITAN UNIVERSITY, TOKYO 192-0397, JAPAN	Saturday, 9

P24	280	Doping-dependent Depairing Current Density of BaFe ₂ (As,P) ₂ and Ba(Fe,Co) ₂ As ₂ nanobridges along the c axis	H. KITANO	Y. MIZUKOSHI, S. SUZUKI, Y. SUN, T. TAMEGAI, S. ISHIDA, H. EISAKI,	Poster	PC2.	AOYAMA GAKUIN UNIVERSITY	Saturday, 9
P25	281	Superconductivity of Ozonized FeSr ₂ RECu ₂ O _{6+y} (RE = Y and Rare Earth)	YOSHIKI HATA	YUUSUKE KATSUKI, TAKASHI, MOCHIKU, HIROSHI YASUOKA	Poster	PC2.	DEPARTMENT OF APPLIED PHYSICS, NATIONAL DEFENSE ACADEMY	Saturday, 9
P26	283	Optical control of the crystal structure in the bilayer nickelate superconductor La ₃ Ni ₂ O ₇ via nonlinear phononics: a first-principles study	SHU KAMIYAMA	TATSUYA KANEKO, KAZUHIKO KUROKI, AND MASAYUKI OCHI	Poster	PC2.	OSAKA UNIVERSITY	Saturday, 9
P27	288	Influence of trapped flux in Sn-Pb solder on the resistive measurements of superconducting transition of Sn wire	TAKUMI ICHIKAWA	YUTO WATANABE, TAKUMI MURAKAMI, POONAM RANI, AICHI YAMASHITA, OSUKE MIURA, AND YOSHIKAZU MIZUGUCHI	Poster	PC2.	DEPARTMENT OF PHYSICS, TOKYO METROPOLITAN UNIVERSITY, 1-1, MINAMI-OSAWA, HACHIOJI 192-0397, JAPAN.	Saturday, 9
P28	291	Spin-dependent supercurrent-quasiparticle coupling in high-field superconductors	DETLEF BECKMANN	PAUL MAIER	Poster	PC2.	KARLSRUHE INSTITUTE OF TECHNOLOGY (KIT)	Saturday, 9
P29	300	Substitution Effect of Ba on Transport Properties of the Layered Cobalt Oxypnictide (Sr, Ba) ₂ ScCoPO ₃ with CoP layers	SATOSHI OKADA	NAOKI OHKUBO, AND SHUICHI BAN	Poster	PC2.	NIHON UNIVERSITY	Saturday, 9
P30	301	Energy gap measurements of superconducting palladium hydride by point-contact spectroscopy	RYOMA KATO	RIKU IIMORI, MASANOBU SHIGA, YUJI INAGAKI, TAKASHI KIMURA, TATSUYA KAWAE	Poster	PC2.	KYUSHU UNIVERSITY / GRADUATE SCHOOL OF ENGINEERING	Saturday, 9
P31	302	Higher-order topological phases for time-reversal-symmetry breaking superconductivity in UTe ₂	SHINGO KOBAYASHI	YUKI YAMAZAKI	Poster	PC2.	RIKEN CEMS	Saturday, 9
P32	325	Chiral p-wave vs Amperean pairing in magnon-mediated superconductivity of ferromagnetic wallpaper fermion	KOKI MIZUNO	AI YAMAKAGE	Poster	PC2.	NAGOYA UNIVERSITY	Saturday, 9

P33	327	Strain Engineering of Mo ₂ N Films for Enhanced Superconductivity	ADITYA SINGH	DIVYA RAWAT, VIKTOR HJORT, ARNAUD LE FEBRIEVER, PER EKLUND, AJAY SONI	Poster	PC2.	INDIAN INSTITUTE OF TECHNOLOGY, MANDI, HIMACHAL PRADESH, INDIA.	Saturday, 9
P34	328	Angle-resolved phase-sensitive measurement of the anisotropic gap structure in a topological superconductor	ZIXUAN HUANG	XIAOYING XU, KWAN-CHUN WONG, AND YUFAN LI	Poster	PC2.	DEPARTMENT OF PHYSICS, THE CHINESE UNIVERSITY OF HONG KONG	Saturday, 9
P35	332	Synthesis and Superconductivity of Hexagonal Zr ₆ MBi ₂	KOSUKE YUCHI	DAISUKE NISHIO-HAMANE, KODAI MORIYAMA, KEITA KOJIMA, RYUTARO OKUMA, ZENJI HIROI, YOSHIHIKO OKAMOTO	Poster	PC2.	THE INSTITUTE FOR SOLID STATE PHYSICS, THE UNIVERSITY OF TOKYO	Saturday, 9
P36	335	Finite-size effects in the vicinity of the BKT transition	LEA PFAFFINGER		Poster	PC2.	UNIVERSITY REGENSBURG	Saturday, 9
P37	350	Low-Energy Excitations in Vortex Lattice of Locally Noncentrosymmetric Superconductor CeRh ₂ As ₂	AKIHIRO MINAMIDE	YOUICHI YANASE	Poster	PC2.	DEPARTMENT OF PHYSICS, KYOTO UNIVERSITY	Saturday, 9
P38	362	Doublon-Holon Pairing Phase in Photodoped Ladder-type Mott Insulators	RYOTA UEDA	MADHUMITA SARKAR, ZALA LENARČIČ, DENIS GOLEŽ, KAZUHIKO KUROKI, TATSUYA KANEKO	Poster	PC2.	OSAKA UNIVERSITY	Saturday, 9
P39	365	Spin Polarized Specular Andreev Reflections in Altermagnets	YUTARO NAGAE	ANDREAS. P. SCHNYDER, AND SATOSHI IKEGAYA	Poster	PC2.	NAGOYA UNIVERSITY	Saturday, 9
P40	374	New Synthesis Route for Polycrystalline Samples and Chemical Calculation in Superconducting LaNiPO	HARUYOSHI SUZUKI	RYOMA TAKEUCHI, DAIKI FUJII, AURÉLIEN ANTUNEZ, YOICHI KAMIHARA, AND MASANORI MATOBA	Poster	PC2.	KEIO UNIVERCITY	Saturday, 9
P41	388	Fabricating nanometric constrictions for Josephson Effect Measurements in Sr ₂ RuO ₄	JAIME LEON	ANDREW P. MACKENZIE	Poster	PC2.	MAX PLANCK INSTITUTE FOR CHEMICAL PHYSICS OF SOLIDS	Saturday, 9
P42	402	Phase stiffness of a thin-film superconductor close to the SIT	ALEXANDER WEITZEL	LEA PFAFFINGER, ANIMESH PANDA, ILARIA MACCARI, MATTHIAS STOSIEK, NICOLA PARADISO, FERDINAND EVERS, AND CHRISTOPH STRUNK	Poster	PC2.	UNIVERSITY OF REGENSBURG	Saturday, 9

P43	405	Microscopic Insights into the Superconducting Properties of an Equiatomic Hexagonal High Entropy Alloy Revealed by Muon Spectroscopy	SONIKA JANGID	RHEA STEWART, A. D. HILLIER, AND R. P. SINGH	Poster	PC2.	IISER BHOPAL	Saturday, 9
P44	406	High critical field superconductivity in a 3d dominated lightweight equiatomic high entropy alloy	SONIKA JANGID	, P. K. MEENA, R. K. KUSHWAHA, S. SRIVASTAVA, P. MANNA, S. SHARMA, P. MISHRA, AND R. P. SINGH	Poster	PC2.	IISER BHOPAL	Saturday, 9
P45	409	Periodic phase slips and frequency comb generation in superconducting diaboloid structures	AXEL J. M. DEENEN	DIRK GRUNDLER	Poster	PC2.	ÉCOLE POLYTECHNIQUE FÉDÉRALE DE LAUSANNE	Saturday, 9
P46	412	Experimental approach towards spin-triplet conversion in a curved ferromagnet connected to superconductors	FERDINAND POSVA	DIRK GRUNDLER	Poster	PC2.	ECOLE POLYTECHNIQUE FÉDÉRALE DE LAUSANNE (EPFL)	Saturday, 9
P47	415	Two-fold Symmetric Superconductivity in the Kagome Superconductor AV ₃ Sb ₅	SHUO WANG	BEN-CHUAN LIN	Poster	PC2.	SHENZHEN INTERNATIONAL QUANTUM ACADEMY	Saturday, 9
P48	422	Quantum-Geometric Spin- and Charge Josephson Diode Effects	NIKLAS L. SCHULZ	DANILO NIKOLIĆ AND MATTHIAS ESCHRIG	Poster	PC2.	UNIVERSITY OF GREIFSWALD	Saturday, 9
P49	426	Mapping the Sr ₂ RuO ₄ Phase Diagram in Magnetic Fields Using Elastocaloric Measurements	ALEKSEI FROLOV	YOU-SHENG LI, ZHENHAI HU, NAOKI KIKUGAWA, HILARY M. L. NOAD, ANDREAS W. ROST, ANDREW P. MACKENZIE, MICHAEL NICKLAS	Poster	PC2.	MPI CPFS	Saturday, 9
P50	429	superconducting spin susceptibility measurement along the a axis on the ultra-clean single crystal UTe ₂ measured by ¹²⁵ Te-NMR	R. MATSUBAYASHI	H. MATSUMURA, S. KITAGAWA, K. ISHIDA, Y. TOKUNAGA, H. SAKAI, S. KAMBE, A. NAKAMURA, Y. SHIMIZU, Y. HOMMA, D. LI, F. HONDA, A. MIYAKE, AND D. AOKI	Poster	PC2.	KYOTO UNIVERSITY	Saturday, 9
P51	433	Temperature Dependence of Quantum-Geometric Superfluid Weight	YUMA HIROBE	TAISEI KITAMURA AND YUICHI YANASE	Poster	PC2.	KYOTO UNIVERSITY	Saturday, 9

P52	438	Superconducting Properties in Ultrafine-Grained High-Entropy Alloy Hf ₂₁ Nb ₂₅ Ti ₁₅ V ₁₅ Zr ₂₄	TERUKAZU NISHIZAKI	TETSUO SUEYOSHI, NAOKI ISHIZU, JIRO KITAGAWA, YONGPENG TANG, ZENJI HORITA, MASARU KATO, SATOSHI AWAJI, TSUTOMU NOJIMA, AND TAKAHIKO SASAKI	Poster	PC2.	KYUSHU SANGYO UNIVERSITY	Saturday, 9
P53	439	DC-operated Josephson junction arrays as a cryogenic on-chip microwave measurement platform	SENNE VERVOORT	LUKAS NULENS, DAVI A. D. CHAVES, HELEEN DAUSY, STIJN RENIERS, MOHAMED ABOUELELA, IVO P. C. COOLS, ALEJANDRO V. SILHANEK, MARGRIET J. VAN BAEL, BART RAES, JORIS VAN DE VONDEL	Poster	PC2.	KU LEUVEN	Saturday, 9
P54	455	STM Measurements in UTe ₂	PABLO GARCÍA TALAVERA	MIGUEL ÁGUEDA VELASCO, MAKOTO SHIMIZU, BEILUN WU, GEORG KNEBEL, MIDORI AMANO PATINO, GERARD LAPERTOT, JACQUES FLOUQUET, JEAN PASCAL BRISON, DAI AOKI, YOUICHI YANASE, EDWIN HERRERA, ISABEL GUILLAMÓN, HERMANN SUDEROW	Poster	PC2.	UNIVERSIDAD AUTÓNOMA DE MADRID	Saturday, 9
P55	468	Interaction of supercurrents in multiterminal graphene Josephson junctions	PAUL MAIER	ROMAIN DANNEAU, DETLEF BECKMANN	Poster	PC2.	KARLSRUHER INSTITUT FÜR TECHNOLOGIE	Saturday, 9
P56	480	Detection of quantum tunneling of hydrogen absorbed in superconducting niobium wire	TAI ZIZHOU	YUUTO HAGA, YUSUKE OCHIAI, RYOMA KATO, MASANOBU SHIGA, KENICHI HASHIDUME, TATSUYA KAWAE	Poster	PC2.	KYUSHU UNIVERSITY	Saturday, 9
P57	482	Contact resistance and junction transparency of wafer-scale CVD graphene-based Josephson field effect transistors	ANDREY GENERALOV	MARKUS LEHTISALO, KLAARA VIISANEN, MIKA PRUNNILA, JIAN MA, MIKKO MÖTTÖNEN, HEORHII BOHUSLAVSKYI	Poster	PC2.	VTT TECHNICAL RESEARCH CENTRE OF FINLAND	Saturday, 9
P58	496	μSR study of superconducting nonsymmorphic nodal line semimetal PtPb ₃ Bi	SHASHANK SRIVASTAVA	A. D. HILLIER, D. T. ADROJA, R. P. SINGH	Poster	PC2.	INDIAN INSTITUTE OF SCIENCE EDUCATION AND RESEARCH BHOPAL, BHOPAL, INDIA	Saturday, 9
P59	498	Superconductivity in In-Sn System	POULAMI MANNA	R. P. SINGH	Poster	PC2.	INDIAN INSTITUTE OF SCIENCE EDUCATION AND RESEARCH BHOPAL, INDIA	Saturday, 9

P60	503	Metastable conduction channels in 1T-TaS2 revealed by local imaging	ARIEL YAZDI	ASBJØRN DRACHMANN, SATYAKI SASMAL, NANDINI TRIVEDI, MICHAEL MANFRA, CHARLES M MARCUS, SAULIUS VAITIEKENAS, BEENA KALISKY, XI WANG	Poster	PC2.	BAR ILAN UNIVERSITY	Saturday, 9
P61	521	Superfluidity on non-trivial geometries in a magnetic field and finite temperatures in the context of the Bose-Hubbard model	MIGUEL RODRÍGUEZ MARTÍN	TOMASZ A. ZALESKI	Poster	PC2.	INSTITUTE OF LOW TEMPERATURE AND STRUCTURE RESEARCH	Saturday, 9
P62	284	Investigating Electronic Structures of Layered Oxychalcogenides BiOCuCh (Ch = Se and Te) with Soft X-Ray Photoelectron Spectroscopy	ATSUSHI HIGASHIYA	ATSUSHI YAMASAKI, SHIBGHATULLAH MUHAMMADY, YUDI DARMA, HITOSHI SATO, HIDENORI FUJIWARA, AKIRA SEKIYAMA, KOUICHI TAKASE	Poster	PC3.	SETSUNAN UNIVERSITY	Saturday, 9
P63	298	The Haldane Gap of the S=7 Antiferromagnetic Chain	TORU SAKAI	HIROKI NAKANO	Poster	PC3.	UNIVERSITY OF HYOGO	Saturday, 9
P64	312	Spin Dynamics and Magnetic Phase Transition of Kondo Lattice Compound: CeRh2Ga2	D. T. ADROJA	V. K. ANAND, S. P. XHAKAZA, D. MAYOH AND A. M. STRYDOM	Poster	PC3.	ISIS FACILITY, RUTHERFORD APPLETON LABORATORY, CHILTON, DIDCOT, OXON, OX11 0QX, UNITED KINGDOM	Saturday, 9
P65	313	Thermal transport properties of α -Dy2S3 single crystal	RYO ISHIGAKI	MUHAMAD ANIF BIN MAT NASIR, MASANORI MIYAZAKI, SHUJI EBISU	Poster	PC3.	MURORAN INSTITUTE OF TECHNOLOGY	Saturday, 9
P66	317	Theory of ferromagnetic Haldane states in spin-	SHIN MIYAHARA	ISAO MARUYAMA	Poster	PC3.	FUKUOKA UNIVERSITY	Saturday, 9
P67	318	Multi-frequency ESR Study of S=1/2 Antiferromagnetic Chain with Staggared Field System KCuMoO4(OH) single by Force Detection	SUSUMU OKUBO	KAZUAKI TSUNEISHI, HIDEYUKI TAKAHASHI, YU SAITO, SHIGEO HARA, TAKAHIRO SAKURAI, EIJI OHMICH, HITOSHI OHTA, KAZUHIRO NAWA, TAKESHI YAJIMA, YOSHIHIKO OKAMOTO, AND ZENJI HIROI	Poster	PC3.	KOBE UNIVERSITY	Saturday, 9
P68	324	Paramagnetic behavior of single crystals of the altermagnet candidate RuO2	YOSHITERU MAENO	SHUBHANKAR PAUL, HISA MATSUKI, GIORDANO MATTONI, ATSUTOSHI IKEDA, SHINGO YONEZAWA, CHANCHAL SOW	Poster	PC3.	KYOTO UNIVERSITY	Saturday, 9

P69	331	Quadrupolar order in a spin-orbit coupled insulator Ba ₂ MgReO ₆ probed by ultrasonic measurements	TOSHIHIKO MUROI	SHUSAKU IMAJO, DAIGOROU HIRAI, RUO HIBINO, TATSUYA YANAGISAWA, RYUTARO OKUMA, JUN-ICHI YAMAURA, YOSHIHIKO OKAMOTO, AND ZENJI HIROI	Poster	PC3.	INSTITUTE FOR SOLID STATE PHYSICS, UNIVERSITY OF TOKYO	Saturday, 9
P70	333	Spin-resolved ARPES study of altermagnetic candidate RuO ₂	TAKUMI OSUMI	K. YAMAUCHI, S. SOUMA, S. PAUL, A. HONMA, K. NAKAYAMA, K. OZAWA, M. KITAMURA, K. HORIBA, H. KUMIGASHIRA, C. BIGI, F. BERTRAN, T. OGUCHI, T. TAKAHASHI, Y. MAENO, AND T. SATO	Poster	PC3.	TOHOKU UNIVERSITY	Saturday, 9
P71	341	Ground state of antiferromagnetic spin-1/2 zigzag chain Cd ₂ Cu ₂ (PO ₄) ₂ SO ₄ · 5H ₂ O studied by NMR	YUTAKA FUJII	KAORU MARUYAMA, YUTAKA KURACHI, KANATA HAYASHI, YUYA ISHIKAWA, MASAYOSHI FUJIIHALA	Poster	PC3.	UNIVERSITY OF FUKUI	Saturday, 9
P72	344	Effective models for multifold Weyl fermions under external fields	KOKI SATOW	AI YAMAKAGE	Poster	PC3.	NAGOYA UNIVERSITY	Saturday, 9
P73	349	Quantum geometric effect on fluctuatoion	KANTAKUDO	YOUICHIYANASE	Poster	PC3.	KYOTO UNIVERSITY	Saturday, 9
P74	367	Novel Topological Features Controlled by Rashba Field in a Finite Two-Dimensional System	TATSUKI TOJO	KYOZABURO TAKEDA	Poster	PC3.	SCHOOL OF SCIENCE AND ENGINEERING, WASEDA UNIVERSITY	Saturday, 9
P75	368	Nonperturbative effects in second harmonic generation	KEISUKE KITAYAMA	MASAO OGATA	Poster	PC3.	RIKEN	Saturday, 9
P76	370	Non-coplanar spin structure in Co _{1/3} Ta ₂ induced by the biquadratic spin interaction	TATSUTO HATANAKA	TAKUTA NOMOTO, RYOTARO ARITA	Poster	PC3.	THE UNIVERSITY OF TOKYO	Saturday, 9
P77	371	Structural phase transition and flat band in cubic NbSeI	KEITA KOJIMA	YOUICHI YAMAKAWA, SHUNSUKE KITOU, RYUTARO OKUMA, AND YOSHIHIKO OKAMOTO	Poster	PC3.	INSTITUTE FOR SOLID STATE PHYSICS, UNIVERSITY OF TOKYO	Saturday, 9
P78	378	Drawing phase diagrams of quasi-periodic topological systems using machine learning	KOJI KOBAYASHI	TOMI OHTSUKI	Poster	PC3.	SOPHIA UNIVERSITY	Saturday, 9

P79	382	Symmetry-Separated Electric Quadrupolar Response in Uranium Heavy-Fermion Superconductor U1-xThxBe13	RUO HIBINO	HIROYUKI INAGAKI, TATSUYA YANAGISAWA, HIROYUKI HIDAKA, HIROSHI AMITSUKA, YUSEI SHIMIZU, SERGEI ZHERLITSYN, JOACHIM WOSNITZA, DUYGU YAZICI, AND M. BRIAN MAPLE	Poster	PC3.	HOKKAIDO UNIVERSITY	Saturday, 9
P80	390	Kondo-driven magnetic tendencies in Van Hove metals	KRZYSZTOF P. WÓJCIK	JOHANN KROHA, PETER WAHL	Poster	PC3.	INSTITUTE OF MOLECULAR PHYSICS, POLISH ACADEMY OF SCIENCES, POZNAŃ, POLAND	Saturday, 9
P81	395	Ni composition dependence of electronic state on “super” heavy fermion system YbCu5-xNix	H. MATSUDAIRA	T. TANIGUCHI, S. KITAGAWA, K. ISHIDA, M. GIOVANNINI, J. G. SERENI, K. WATANABE, Y. SHIMURA	Poster	PC3.	KYOTO UNIVERSITY	Saturday, 9
P82	403	Interesting role of 3d(Fe, Ni) and 4d(Pd) metals in 2nd element substituted 122 systems RE(Ru-3d)2Si2 Ce(Ru-4d)2Si2 from magnetic properties	KAZUO YANO	YUSUKE AMAKAI ² , YOSHIAKI HARA ³ , EIJI KITA ⁴ , HIDEAKI TAKANO ² , HISANORI TANIMOTO ¹ , AND SHIGEYUKI MURAYAMA ² 1 DEPARTMENT OF MATERIALS SCIENCE, UNIVERSITY OF TSUKUBA, IBARAKI 305-8530, JAPAN 2 GRADUATE SCHOOL OF ENGINEERING, MURORAN INSTITUTE OF TECH., HOKKAIDO 050-8585 JAPAN 3 NATIONAL INSTITUTE OF TECHNOLOGY, IBARAKI COLLEGE, IBARAKI, 312-8508, JAPAN 4 DEPARTMENT OF APPLIED PHYSICS, UNIVERSITY OF TSUKUBA, IBARAKI 305-8573, JAPAN	Poster	PC3.	UNIVERSITY OF TSUKUBA	Saturday, 9
P83	424	Single Magnetic Nanoparticle Hall Magnetometry using LAO/STO q2DEG nanostructures	TORD CLAESON	PAUL BURGER, GYANENDRA SINGH, CHRISTER JOHANSSON, CARLOS MOYA, GILLES BRUYLANTS, GERHARD JAKOB, AND ALEXEI KALABOUKHOV	Poster	PC3.	CHALMERS / MC2	Saturday, 9

P84	428	Broad Central Line Observed in the ESR Spectrum in High Magnetic Fields and at Low Temperatures	V. V. KHEMELENKO	D. M. LEE, C. K. WETZEL, S. SHELUDIAKOV, J. JÄRVINEN, J. AHOKAS AND S. VASILIEV	Poster	PC3.	TEXAS A&M UNIVERSITY	Saturday, 9
P85	443	Quantum magnetometry via NV-color centers in diamond crystals produced by MeV ion-beam irradiation	MIGUEL ÁNGEL RAMOS	JULIA GARCÍA-PÉREZ, RAMÓN BERNARDO-GAVITO, DANIEL GRANADOS, JOSÉ LUIS PAU, ALBERTO ANDRINO-GÓMEZ, GASTÓN GARCÍA, AND NURIA GORDILLO	Poster	PC3.	UNIVERSIDAD AUTÓNOMA DE MADRID, SPAIN	Saturday, 9
P86	449	In situ modification of quantum Hall phases by cavity vacuum fields	ETHAN KOSKAS	JOSEFINE ENKNER, LORENZO GRAZIOTTO, DALIN BORIÇI, FELICE APPUGLIESE, CHRISTIAN REICHL, GIACOMO SCALARI, NICOLAS REGNAULT, WERNER WEGSCHEIDER, CRISTIANO CIUTI, AND JÉRÔME FAIST	Poster	PC3.	ETH ZÜRICH	Saturday, 9
P87	452	Configuration determination for chiral and polar crystals by anisotropic NMR shift	HIROAKI KUSUNOSE	JUN KIKUCHI	Poster	PC3.	DEPARTMENT OF PHYSICS, MEIJI UNIVERSITY	Saturday, 9
P88	461	Frustrated Magnetic Anisotropy in Heavy Fermion Compounds	EWAN SCOTT	MICHAL KWASIGROCH	Poster	PC3.	UCL	Saturday, 9
P89	478	Magnetization steps from Cd-diluted TMMC at 20 mK: Effects of weak intra-cluster interactions	SAMIH ISBER	XAVIER GRATENS, ARMANDO PADUAN-FILHO, NEI FERNANDES OLIVEIRA, VALDIR BINDILATTI, YAACOV SHAPIRA	Poster	PC3.	AMERICAN UNIVERSITY OF BEIRUT, PHYSICS DEPARTMENT	Saturday, 9
P90	493	Realization of a spin-1/2 Kondo necklace model with magnetic field-induced coupling switch	HIRONORI YAMAGUCHI	YU TOMINAGA, TAKANORI KIDA, KOJI ARAKI, TAKASHI KAWAKAMI, YOSHIKI IWASAKI, KENTA KIMURA, AND MASAYUKI HAGIWARA	Poster	PC3.	OSAKA METROPOLITAN UNIVERSITY	Saturday, 9
P91	505	Tunneling spectroscopy through the magnetic phases of Ce(Ru _{0.92} Rh _{0.08}) ₂ Si ₂	MIGUEL ÁGUEDA	EDWIN HERRERA, FRANCISCO MARTÍN VEGA, ISABEL GUILLAMÓN, ERIK MASCOT, BEILUN WU, JACQUES FLOUQUET, JEAN PASCAL BRISON, GEORG KNEBEL, DAI AOKI, DIRK MORR, HERMANN SUDEROW	Poster	PC3.	UNIVERSIDAD AUTÓNOMA DE MADRID	Saturday, 9

P92	561	Microscopic theory of the inverse Faraday effect in a multiorbital model	KOSUKE TAZUKE	TAKAHIRO MORIMOTO, SOTA KITAMURA	Poster	PC3.	THE UNIVERSITY OF TOKYO	Saturday, 9
P93	564	Evaluation of Electron Chirality in Atomic Limit	Y. KAKINUMA	T. MIKI AND S. HOSHINO	Poster	PC3.	DEPARTMENT OF PHYSICS, SAITAMA UNIVERSITY	Saturday, 9
P94	567	Ground state of the 1/9 magnetization plateau in the spin-1/2 kagome lattice	KATSUHIRO MORITA		Poster	PC3.	TOKYO UNIVERSITY OF SCIENCE	Saturday, 9
P95	295	Observation of topological Anderson Chern insulator phase in MnBi ₄ Te ₇ monolayer	ANQI WANG	BO YIN, ZIKANG SU, SHANGJIE TIAN, GUOAN LI, XIAOFAN SHI, XIAO DENG, YUPENG LI, ZHIYUAN ZHANG, XINGCHEN GUO, QINGHUA ZHANG, LIN GU, XINGJIANG ZHOU, BINGBING TONG, PEILING LI, ZHAOZHENG LYU, GUANGTONG LIU, FANMING QU, ZIWEI DOU, YUAN HUANG, HECHANG LEI, HONGMING WENG, ZHONG FANG, QUANSHENG WU, LI LU, JIE SHEN	Poster	PC4.	INSTITUTE OF PHYSICS, CHINESE ACADEMY OF SCIENCES	Saturday, 9
P96	296	Nonlocal supercurrent modulation of Andreev molecule detected by anomalous interfering pattern in InAs-Al nanowire SQUID	XIAOFAN SHI	ZIWEI DOU, GUOAN LI, DONG PAN, JIANHUA ZHAO, LI LU, JIE SHEN	Poster	PC4.	INSTITUTE OF PHYSICS, CHINESE ACADEMY OF SCIENCES	Saturday, 9
P97	305	High-Pressure Tuning of Electrical Transport in Freestanding Oxide Films	LIN HAO	JINGXIN CHEN, XIANG HUANG, QUN NIU	Poster	PC4.	HIGH MAGNETIC FIELD LAB, HFIPS, CHINESE ACADEMY OF SCIENCES	Saturday, 9
P98	306	Signatures of spin orbit interaction in the kinetic inductance of epitaxial Al/InAs heterostructures	SIMON FEYRER	VJEKO DIMIĆ, ALEXANDER KIRCHNER, GIORGIO BIASIOL, CARLOS BALSEIRO, LILIANA ARRACHEA, MARCO APRILI, NICOLA PARADISO, CHRISTOPH STRUNK AND LEANDRO TOSI	Poster	PC4.	UNIVERSITÄT REGENSBURG	Saturday, 9
P99	319	Liouvillian Skin Effects and Their Impact on Electron Dynamics	YUTA SHIGEDOMI	TSUNEYA YOSHIDA	Poster	PC4.	KYOTO UNIVERSITY	Saturday, 9

P100	321	Current correlation between remote arrays of mesoscopic Josephson junctions through photon exchange	HIROSHI SHIMADA	YUTA SHIODA, TATSUYA IIZUKA, JUTARAT TANAROM, TAKUMA WATANABE, YOSHINAO MIZUGAKI	Poster	PC4.	THE UNIVERSITY OF ELECTRO-COMMUNICATIONS	Saturday, 9
P101	323	Role of Surface Phonon Scattering in Heat Transfer through Thin Films Immersed in Superfluid Helium	J. AMRIT	K. NIEMCHENKO, YE NIEMCHENKO, S. ROGOVA AND T. VIKHTYNSKA	Poster	PC4.	LISN, PARIS SCALAY UNIVERSITY, CNRS	Saturday, 9
P102	329	Coherent Control of Thermal Conductance Using Pillar-based Phononic Crystals	TATU KORKIAMÄKI	TUOMAS PUURTINEN, TEEMU LOIPPO, BARTLOMIEJ GRACZYKOWSKI, ILARI MAASILTA	Poster	PC4.	UNIVERSITY OF JYVÄSKYLÄ	Saturday, 9
P103	336	Dynamics of the Andreev blockade in hybrid double quantum dot systems	ANTONI JANKIEWICZ	KACPER WRZEŚNIEWSKI, IRENEUSZ WEYMANN	Poster	PC4.	ADAM MICKIEWICZ UNIVERSITY IN POZNAŃ	Saturday, 9
P104	373	Engineered Nanomaterial Interfaces for Enhanced Charge Transport in Scalable Electronics and Energy Systems	JI-HYUK CHOI	SEoyeon PARK, KYEONG JA KIM	Poster	PC4.	KOREA INSTITUTE OF GEOSCIENCE AND MINERAL RESOURCES (KIGAM)	Saturday, 9
P105	380	Doping-Tunable Charge Density Wave Phase Transition in Bulk 1T-ZrSe ₂	ANDREAS ØRSTED	ALESSANDRO SCARFATO, CÉLINE BARRETEAU, ENRICO GIANNINI, AND CHRISTOPH RENNER	Poster	PC4.	UNIVERSITY OF GENEVA	Saturday, 9
P106	389	Finite-bias Coulomb blockade thermometry	JAMES MINGCHI XU		Poster	PC4.	UNIVERSITY OF BASEL	Saturday, 9
P107	483	Magnetic Field dependence of the atomic and electronic structure of monovalent metallic nanocontacts unveiled in transport experiments	B. WU	A. MARTÍNEZ, P. OBLADEN, M. FERNÁNDEZ-LOMANA, E. HERRERA, C. SABATER, J. J. PALACIOS, I. GUILLAMÓN, H. SUDEROW	Poster	PC4.	UNIVERSIDAD AUTÓNOMA DE MADRID	Saturday, 9
P108	485	Nonequilibrium electron distribution function in a voltage-biased metal wire: A nonequilibrium Green's function approach	TAIRA KAWAMURA	YUSUKE KATO	Poster	PC4.	NIHON UNIVERSITY	Saturday, 9

P109	528	The Metal-Insulator Transition in Rare-Earth Nickelates La _{1-x} R _x NiO ₃ (R = Y, Sm, Nd, Pr): Synthesis and Simulations of Bond Percolatio	JOHN T. MARKERT	ANGEL MARTINEZ, ANDREW YANG, LEODAN VILLEGAS-AVINA, ERIC LIANG, ARMIN ANWAR, YOVEL KEY-COHEN, AND JOHN T. MARKERT	Poster	PC4.	DEPARTMENT OF PHYSICS, UNIVERSITY OF TEXAS AT AUSTIN, AUSTIN, TX 78712 USA	Saturday, 9
P110	573	Exploring novel superconductivity in few-layer Td-MoTe ₂	TARO WAKAMURA	MASAYUKI HASHISAKA, YUSUKE NOMURA, MATTHIEU BIRD, SHOTA OKAZAKI, TAKAO SASAGAWA, TAKASHI TANIGUCHI, KENJI WATANABE, KOJI MURAKI AND NORIO KUMADA.	Poster	PC4.	NTT BASIC RESEARCH LABORATORIES, NIPPON TELEGRAPH AND TELEPHONE CORPORATION	Saturday, 9
P111	577	Tunable nonlinear response of a carbon nanotube nanomechanical resonator with embedded quantum dot	AKONG LOH	KATRIN BURKERT, FURKAN ÖZYIGIT, NIKLAS HÜTTNER, AND ANDREAS K. HÜTTEL	Poster	PC4.	UNIVERSITY OF REGENSBURG	Saturday, 9
P112	383	Microwave Characterization of Niobium Superconducting Resonators with a Tantalum Capping Layer	YOSHIRO URADE	YUICHI FUJITA, YUKI HIBINO, KAY YAKUSHIJI, MANABU TSUJIMOTO, TAKAHIRO YAMADA, KUNIHIRO INOMATA, AND WATARU MIZUBAYASHI	Poster	PC5.	NATIONAL INSTITUTE OF ADVANCED INDUSTRIAL SCIENCE AND TECHNOLOGY (AIST)	Saturday, 9
P113	385	Optimized Phase Estimation Algorithms for Superconducting Qubit-Based Magnetometry and Advances in Quantum Sensing	AZAT GUBAYDULLIN	ANTON KOLOSVET, VLADIMIR SLEPNEV, MICHAEL PERELSTEIN, VASILII SEVRIUK, NIKOLAY GUSAROV, VALERII VINOKUR	Poster	PC5.	TERRA QUANTUM AG, KORNHAUSSTRASSE 25, 9000 ST. GALLEN, SWITZERLAND	Saturday, 9
P114	396	Atomically Crafted Spin Chains on a Rashba-type Superconductor	HARIM JANG	DANIEL CRAWFORD, KHAI THAT TON, LUCAS SCHNEIDER, JENS WIEBE, STEPHAN RACHEL, AND ROLAND WIESENDANGER	Poster	PC3.	UNIVERSITY OF HAMBURG	Saturday, 9
P115	398	Dissipation and noise in strongly driven Josephson junctions	VASILII VADIMOV	YOSHIKI SUNADA, MIKKO MÖTTÖNEN	Poster	PC5.	AALTO UNIVERSITY	Saturday, 9
P116	445	Towards High-Precision Electron-on-Helium Qubits: A Quasioptical Microwave Approach	NATALIA MORAIS	MIKHAIL BELIANCHIKOV, DENIS KONSTANTINOV	Poster	PC5.	OKINAWA INSTITUTE OF SCIENCE AND TECHNOLOGY GRADUATE UNIVERSITY	Saturday, 9
P117	456	Fabrication of quantum devices with focused helium ion beam	AKI RUHTINAS	ILARI J. MAASILTA	Poster	PC5.	UNIVERSITY OF JYVÄSKYLÄ	Saturday, 9

P118	500	The materials science of Josephson junction - defects, pinholes, tuning and depinning	JARED H COLE	OSCAR W. KENNEDY, CONNOR D. SHELLY, KAREN BAYROS, MARTIN J. CYSTER, JACKSON S. SMITH, JESSE A. VAITKUS, NICOLAS VOGT, SALVY P. RUSSO	Poster	PC5.	RMIT UNIVERSITY	Saturday, 9
P119	520	Toward optical control of Josephson Arbitrary Waveform Synthesizers	A. KEMPPINEN	J. NISSLÄ, K. KOHOPÄÄ, E. MYKKÄNEN, E.T. MANNILA, P. SELVASUNDARAM, S. KAFANOV, T. FORDELL, J.-W. LEE, T. RANTANEN, K. LANGI, P. SETHI, H. SYSTÄ, B. NAMVAR, S. LEHTINEN, M. RIBEIRO, R. LORETO, K.A.C. RATHNATHILAKA, J. VIHARIÄLÄ, V. VESTERINEN, J. GOVENIUS, J. SENIOR	Poster	PC5.	VTT	Saturday, 9
P120	524	Rapid Relaxation, Hahn-Echo and Ramsey measurements for Superconducting Qubits	MASUM UDDIN	ABISHEK AGARWAL, MANOGNYA ACHARYA, EHSANEH DAGHIGH AHMADI, SEBASTIAN DE GRAAF, IVAN RUNGGER AND TOBIAS LINDSTROM	Poster	PC5.	NATIONAL PHYSICAL LABORATORY	Saturday, 9
P121	919	Entanglement under multiple parametric excitations in microwave quantum circuits	I. LILJA	M. VARTIAINEN, E. MUKHANOVA, AND P. HAKONEN	Poster	PC5.	AALTO UNIVERSITY	Saturday, 9
P122	874	Site-resolved magnon and triplon dynamics in a quantum dot spin ladder	PABLO COVA FARIÑA	DANIEL JIROVEC, XIN ZHANG, ELIZAVETA MOROZOVA, STEFAN OOSTERHOUT, TZU-KAN HSIAO, AMIR SAMMAK, GIORDANO SCAPPUCCI, MENNO VELDHORST, AND LIEVEN M. K. VANDERSYPEN	Poster	PC5.	QUTECH/ TU DELFT	Saturday, 9
P123	502	Metrological Characterization of Ultra-low Temperature Thermometers from 8 mK to 8 K at LNE-Cnam Using PLTS-2000 and ITS-90	L. PITRE	,C. TAUZIN ¹ , M.D. PLIMMER ¹ , AND F. SPARASCI ¹	Poster	PC6.	LNE-CNAM	Saturday, 9
P124	504	Detecting Gravity at the Milligram Scale Using Electromechanics	MIKA A. SILLANPÄÄ	MATTHEW HERBST, EWA REJ, JOE DEPELLETTE, YULONG LIU	Poster	PC6.	AALTO UNIVERSITY	Saturday, 9

P125	510	Thermodynamic Assessment of PLTS-2000 from 8 mK to 1 K using the Magnetic Field Fluctuation Thermometer (MFFT) at LNE-Cnam	C. TAUZIN	F. SPARASCI, M.D. PLIMMER, L. PITRE	Poster	PC6.	CONSERVATOIRE NATIONAL DES ARTS ET MÉTIERS	Saturday, 9
P126	523	Rotating Scanning Tunneling Microscopy in high magnetic fields	JAIME RUMEU OZORES	PABLO GARCÍA TALAVERA, MIGUEL ÁGUEDA, EDWIN HERRERA, HERMANN SUDEROW, AND ISABEL GUILLAMÓN	Poster	PC6.	UNIVERSIDAD AUTÓNOMA DE MADRID	Saturday, 9
P127	541	Progress on the home-made cryogen-free dilution refrigerator	YI LIAO	KUIFAN CHA, XUMING LIU, AND WEIJIE GUO CHANGZHAO PAN	Poster	PC6.	INTERNATIONAL QUANTUM ACADEMY	Saturday, 9
P128	546	Rationale for the collapse of the Drude Model in Silicon at Low Temperatures	CHRISTIENSEN ROCHA APERADOR	SERGIO REVUELTA, VASILEIOS BALOS AND ENRIQUE CÁNOVAS	Poster	PC6.	IMDEA NANOCIENCIA	Saturday, 9
P129	549	Development of high-density RF wiring loom for quantum computing	A. WATERWORTH	J. KIRKMAN, J. WARREN AND S. GAROFEANU	Poster	PC6.	QUANTUM MOTION	Saturday, 9
P130	550	Compact Superconducting Magnets for Dilution Refrigerators	SOPHIA GAROFEANU	JONATHAN WARREN, ALEXANDER WATERWORTH	Poster	PC6.	QUANTUM MOTION	Saturday, 9
P131	553	Performance Analysis of a 4.2 K Helium Joule-Thomson Cryocooler Precooled with a 2-Stage Cryocooler	CHEONKYU LEE	JUNG-GIL LEE, JIN MAN KIM, DONG AN CHA, IN PARK	Poster	PC6.	KOREA INSTITUTE OF INDUSTRIAL TECHNOLOGY	Saturday, 9
P132	554	Heat Transfer phenomenon for the cryogenic Double Pipe Heat Exchanger	SUNG-WOONG CHOI	SEONG-WOO LEE, YEONG-HUN KIM	Poster	PC6.	GYEONGSANG NATIONAL UNIVERSITY/DEPARTMENT OF MECHANICAL AND SYSTEM ENGINEERING	Saturday, 9
P133	578	POLARYS : A polarized infrared camera for submillimeter observations	X.-F. NAVICK	V. REVÉRET, L. RODRIGUEZ, L. DUSSOPT, A. ALIANE	Poster	PC6.	UNIVERSITÉ PARIS-SACLAY, CEA, IRFU, DEDIP, GIF-SUR-YVETTE, 91190, FRANCE	Saturday, 9
P134	586	High-Efficiency Liquid Helium Transfers Using Sub-4.2 K Liquid Helium at Atmospheric Pressure	J. SESÉ	C. RILLO, M. GABAL	Poster	PC6.	UNIVERSITY OF ZARAGOZA	Saturday, 9
P135	607	Database of transistors used in cryogenic amplifiers: an AI-powered literature review	ALEXEY SUSLOV		Poster	PC6.	NATIONAL HIGH MAGNETIC FIELD LABORATORY	Saturday, 9

Monday, 11 August

	ID	Title	Main Author	Coauthors	Type	Theme Area	University / Institution or Company	Presentation
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)	Monday, 11
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 WEINFURTNER.	Poster	PC1.	UNIVERSITY OF NOTTINGHAM	Monday, 11
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	Monday, 11
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	Monday, 11
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	Monday, 11
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	Monday, 11
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	Monday, 11

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	Monday, 11
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	Monday, 11
P10	533	Anomalous Paramagnetic Response of Superfluid ^3He -B in Stretched Aerogels	TAKESHI MIZUSHIMA		Poster	PC1.	OSAKA UNIVERSITY	Monday, 11
P11	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	Monday, 11
P12	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	Monday, 11
P13	559	High-pressure synthesis of carrier-doped RuX_3 ($X = \text{Cl}, \text{Br}$) 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	Monday, 11
P14	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	Monday, 11
P15	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	Monday, 11
P16	690	Microwave SCR coupled with superfluid thin-film surface saves 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	Monday, 11
P17	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	Monday, 11

P18	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	Monday, 11
P19	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	Monday, 11
P20	878	Scattering-Induced Anomalous Fluidic Hall Effect in Chiral 3He-A	PRIYA SHARMA		Poster	PC1.	UNIVERSITY OF SURREY	Monday, 11
P21	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	Monday, 11
P22	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. CHUNDAL, P. DEMINSKYI, A. VIHHERVAARA, J. HÄTINEN, M. MARÍN-SUÁREZ, G. KESTUTIS, M. PUTKONEN, M. RITALA, A. KEMPPINEN	Poster	PC2.	VTT TECHNICAL RESEARCH CENTRE OF FINLAND LTD	Monday, 11
P23	529	Dual role of stripe phase on superconducting correlation in a bilayer square lattice	TING GUO		Poster	PC2.	BEIJING NORMAL UNIVERSITY	Monday, 11
P24	532	Detecting the Topological Phase Transition in Superconductor-Semiconductor Hybrids by Electronic Raman Spectroscopy	TAKESHI MIZUSHIMA	YUKIO TANAKA, JORGE CAYAO	Poster	PC2.	OSAKA UNIVERSITY	Monday, 11
P25	535	Superconducting acoustogalvanic effect in twisted transition metal dichalcogenides	TSUGUMI MATSUMOTO	RYOTARO SANO, YOUICHI YANASE, AKITO DAIDO	Poster	PC2.	KYOTO UNIVERSITY	Monday, 11

P26	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	Monday, 11
P27	540	Spin-orbital physics in fulleride superconductors coupled with Jahn-Teller phonons	NATSUKI OKADA	TATSUYA MIKI, SHINTARO HOSHINO	Poster	PC2.	CHIBA UNIVERSITY	Monday, 11
P28	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	Monday, 11
P29	560	¹³ C NMR Studies on a Doped Spin Liquid Candidate, k-(BEDT-TTF)4Hg2.89Br8 under Pressure	KAZUYA MIYAGAWA	MIZUKI URAI, RINA TAKAGI, HIROMI TANIGUCHI AND KAZUSHI KANODA	Poster	PC2.	UNIVERSITY OF TOKYO	Monday, 11
P30	562	Reconsideration of Coherent States for Path-Integration Formalism of Hubbard Model	Y. YAMASAKI	S. HOSHINO	Poster	PC2.	DEPARTMENT OF PHYSICS, SAITAMA UNIVERSITY	Monday, 11
P31	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	Monday, 11
P32	570	Finite-momentum superconductivity in two-dimensional altermagnets with a Rashba-type spin-orbit coupling	KOHEI MUKASA	YUSUKE MASAKI	Poster	PC2.	TOHOKU UNIVERSITY	Monday, 11
P33	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	Monday, 11
P34	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	Monday, 11

P35	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)	Monday, 11
P36	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	Monday, 11
P37	616	Vortex configurations in mesoscopic chiral p-wave superconductors	HEESANG KIM	DAEHAN PARK	Poster	PC2.	SOONGSIL UNIVERSITY	Monday, 11
P38	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	Monday, 11
P39	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	Monday, 11
P40	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	Monday, 11
P41	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.	Monday, 11
P42	644	THz Bolometer Based on Graphene Josephson Junction	XIANGYU ZHOU	DENIS BANDRUIN, ANDREI KUDRIASHOV, MIKHAIL KRAVTSOV	Poster	PC2.	NATIONAL UNIVERSITY OF SINGAPORE	Monday, 11
P43	649	Phase Separation Induced by Density-Dependent Hopping Terms in t-J Model	KAZUHIRO KUBOKI		Poster	PC2.	KOBE UNIVERSITY	Monday, 11
P44	669	The gauge theory dual of a two-dimesional bilayer superconductor and its phase diagram	PYE TON HOW	SUNGKIT YIP	Poster	PC2.	ACADEMIA SINICA	Monday, 11

P45	673	Carrier concentration dependence of band structure in monolayer TiSe ₂	KOKI YANAGIZAWA	KATSUAKI SUGAWARA, TAKAFUMI SATO	Poster	PC2.	TOHOKU UNIVERSITY	Monday, 11
P46	674	Magnetic Susceptibility Study of the Topological Superconductor YbRh ₂ Si ₂	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	Monday, 11
P47	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	Monday, 11
P48	682	Magnetic Phases of YbRh ₂ Si ₂ , 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	Monday, 11
P49	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	Monday, 11
P50	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, WROCŁAW 50-422, POLAND	Monday, 11
P51	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	Monday, 11

P52	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	Monday, 11
P53	712	Superconductivity in Ba ₅ Ir ₇ Ge ₄ derived from MgCu ₂ -type Laves phase BaIr ₂	TERUNARI KOSHINUMA	HIROSHI FUJIIHISA, YOSHITO GOTOH, IZUMI HASE, SHIGEYUKI ISHIDA, HIRAKU OGINO, HIROSHI EISAKI, TAICHIRO NISHIO, AKIRA IYO, KENJI KAWASHIMA	Poster	PC2.	IMRA JAPAN CO., LTD.	Monday, 11
P54	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	Monday, 11
P55	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, YOSHIIHIKO OKAMOTO AND SATOSHI KASHIWAYA	Poster	PC2.	NAGOYA UNIVERSITY	Monday, 11
P56	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	Monday, 11
P57	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	Monday, 11
P58	751	Valence State in CeTln ₅ (T = Co, Rh) under pressure	KENJI FUJIWARA	KOHICHI AKAMATSU, MASAHIRO MANAGO, GAKU MOTOYAMA, AND SHIJO NISHIGORI	Poster	PC2.	SHIMANE UNIVERSITY	Monday, 11

P59	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	Monday, 11
P60	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	Monday, 11
P61	787	First-principles study of the carrier density dependence of superconducting transition temperature in electron-doped SrTiO ₃	RIKU IKAIDA	KAZUHIRO SANO, YOSHIMI MASUDA, TAKUYA SEKIKAWA, TOSHIAKI ŌNO	Poster	PC2.	NIIGATA UNIVERSITY	Monday, 11
P62	788	Enhanced Superconducting State in a Nano-sized Dirty Superconductor	MASARU KATO	TERUKAZU NISHIZAKI	Poster	PC2.	OSAKA METROPOLITAN UNIVERSITY	Monday, 11
P63	576	Specific heat anomaly of the valence transition in EuRh ₂ Si ₂ under pressure	SHIJO NISHIGORI	KENSHIN KANESAKI	Poster	PC3.	SHIMANE UNIVERSITY	Monday, 11
P64	580	Quasi-fractionalization in Cluster-Based Haldane State on Triangular Spin Tube	TAKANORI SUGIMOTO	TAKAMI TOHYAMA	Poster	PC3.	OSAKA UNIVERSITY	Monday, 11
P65	594	Quantum metric and critical localization in a 1D quasicrystal	QUENTIN MARSAL	PATRIC HOLMVALL, ANNICA M. BLACK-SCHAFFER	Poster	PC3.	UPPSALA UNIVERSITET	Monday, 11
P66	603	Nature of spin excitations in a frustrated honeycomb magnet BaCo ₂ (AsO ₄) ₂	MAJ MEJAK	MARTIN KLANJŠEK	Poster	PC3.	JOŽEF STEFAN INSTITUTE	Monday, 11
P67	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	Monday, 11
P68	615	Significant thermoelectric response from reduced dimensionality in kagome superconductor CsV ₃ Sb ₅	QUN NIU	ZHEN LU,XIANG HUANG,DONG CHEN,QUN NIU,AND MINGLIANG TIAN, JIAO LI	Poster	PC3.	UNIVERSITY OF SCIENCE AND TECHNOLOGY OF CHINA	Monday, 11

P69	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	Monday, 11
P70	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	Monday, 11
P71	624	Quantification of electronic asymmetry: chirality and axiality in solids	TATSUYA MIKI	HIROAKI IKEDA, MICHITO SUZUKI, SHINTARO HOSHINO	Poster	PC3.	SAITAMA UNIVERSITY	Monday, 11
P72	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	Monday, 11
P73	635	Thermoelectric Effects Originating from Multiple Bands in Spin-1 Fermion Systems	RISAKO KIKUCHI	JUNYA ENDO AND AI YAMAKAGE	Poster	PC3.	NAGOYA UNIVERSITY	Monday, 11
P74	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	Monday, 11
P75	641	Nodal Structures on Surface Superconductivity in Wallpaper Fermion Systems	KAITO YODA	AI YAMAKAGE	Poster	PC3.	NAGOYA UNIVERSITY	Monday, 11
P76	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	Monday, 11
P77	660	Physical Properties of Z ₄ Parafermions in a Two-Site System	YOICHI SUGIYAMA	YUKI YAMASAKI, SHINTARO HOSHINO	Poster	PC3.	SAITAMA UNIVERSITY	Monday, 11
P78	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	Monday, 11

P79	663	Orbital ordering, bandgap, and polaron hopping in low-T magnetite	NIKITA FOMINYKH	VLADIMIR STEGAILOV	Poster	PC3.	MOSCOW INSTITUTE OF PHYSICS AND TECHNOLOGY	Monday, 11
P80	670	Critical enhancement of nonlinear optical responses in one-dimensional multiferroic magnets	RYOSUKE YAMASHITA	SHINTARO TAKAYOSHI, TAKAHIRO MORIMOTO	Poster	PC3.	THE UNIVERSITY OF TOKYO	Monday, 11
P81	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	Monday, 11
P82	691	Thermal conductivity measurement in the quantum critical compound Ce3Pd20Si6	GWENVREDIG LE ROY	DUY HA NGUYEN, XINLIN YAN, ANDREY PROKOFIEV, SILKE BÜHLER-PASCHEN	Poster	PC3.	TECHNISCHE UNIVERSITÄT WIEN	Monday, 11
P83	704	The effect of Kitaev Exchange Interaction and Anisotropy on Magnons in the NiI2 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	Monday, 11
P84	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	Monday, 11
P85	716	High thermoelectric power of heavy fermion YbT2Zn20 (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	Monday, 11
P86	722	The magnetic structures and excitations of RCrO3 (R = La, Er, and Ho)	SHINICHIRO YANO		Poster	PC3.	NSRRC, TAIWAN	Monday, 11
P87	724	Increasing the Interlayer Spacing of Ternary Transition Metal Chalcogenides by Intercalation of Organic Molecules	YUTO HASUO	TAKAHIRO URATA, TAKAFUMI HATANO, MASAOKI ARAIDAI, HIROSHI IKUTA	Poster	PC3.	NAGOYA UNIVERSITY, JAPAN	Monday, 11
P88	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	Monday, 11

P89	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	Monday, 11
P90	740	Observation of a large piezomagnetic effect in olivine-type oxide Co ₂ SiO ₄	TAKERU TANIGUCHI	Indian Institute of Technology Kanpur	Poster	PC3.	TOHOKU UNIVERSITY	Monday, 11
P91	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	Monday, 11
P92	1037	Quantum Transport and Magnetic State Evolution in RAlX (R = Ce, Nd, Gd; X = Si, Ge) Weyl Semimetals	PRIYANKA MEENA	Amarjyoti Choudhury, Mohit Mudgal, S Sonika, V.K. Tiwari, Sarita Rajput, Vivek kumar Malik, C. S. Yadav, T. Maitra and Jayita Nayak	Poster	PC3.		Monday, 11
P93	597	Fabricating CVD graphene Josephson junctions with a scalable process	SETH BENNETT	MICHAEL THOMPSON AND JONATHAN PRANCE	Poster	PC4.	LANCASTER UNIVERSITY	Monday, 11
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	Monday, 11
P95	652	Floquet Landau level of Dirac electrons in AC-magnetic fields	SOTA KITAMURA	TAKASHI OKA	Poster	PC4.	UNIVERSITY OF TOKYO	Monday, 11
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	Monday, 11
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. KASHCHEYEVs	Poster	PC4.	PHYSIKALISCH-TECHNISCHE BUNDESANSTALT (PTB)	Monday, 11
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	Monday, 11
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	Monday, 11
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	Monday, 11

P101	731	Quantum Interference in Strained Graphene Nanostructures	MASAHICO HAYASHI	YASUNARI TANUMA, HIDEO YOSHIOKA, AKINOBU KANDA	Poster	PC4.	AKITA UNIVERSITY	Monday, 11
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	Monday, 11
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	Monday, 11
P104	772	Entropy of a Double Quantum Dot under Tunable Tunnel Coupling	SEOKYEONG LEE	U. KIM, S. LEE, K. YOON, M. KIM, D.T. PARK, H. JUNG, H.-S. SIM, Y. CHUNG, H.K. CHOI, HYOUNGSOON CHOI	Poster	PC4.	KAIST	Monday, 11
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	Monday, 11
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	Monday, 11
P107	791	Supercurrent and Multiple Andreev Reflections in a Ge Heterostructure Josephson Junction	HAN GAO	JIANHUAN WANG, JIYIN WANG, HONGQI XU	Poster	PC4.	BEIJING ACADEMY OF QUANTUM INFORMATION SCIENCES	Monday, 11

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	Monday, 11
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)	Monday, 11
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	Monday, 11
P111	555	Dynamically Corrected Quantum Gates Designed Geometrically	YASUSHI KONDO	SHINGO KUKITA	Poster	PC5.	KINDAI UNIVERSITY	Monday, 11
P112	563	Efficiency Analysis of Compressed Sensing Quantum State Tomography for Qudit Systems	YOSHIYUKI KAKIHARA	DAISUKE YAMAMOTO, GIACOMO MARMORINI	Poster	PC5.	NIHON UNIVERSITY	Monday, 11
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	Monday, 11
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	Monday, 11
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	Monday, 11
P116	672	Coupling Electrons on Solid Neon to Superconducting Resonator	JUN WANG	Y. TIAN, A. JENNINGS, I. GRYSSENKO, O. RYBALKO, X. ZHOU, D. JIN, H. TERAJ, AND E. KAWAKAMI	Poster	PC5.	RIKEN	Monday, 11

P117	709	Cryogenic Measurement Platform for Microwave-Optical Transducers	ASEM ELARABI	SUSAN JOHNNY, JONATHAN WILLIAMS	Poster	PC5.	NATIONAL PHYSICAL LABORATORY	Monday, 11
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	Monday, 11
P119	609	Low temperature magnetic thermometry with LCS1 372 Resistance Bridge	VLADIMIR SHVARTS	ASHLEY HUFF	Poster	PC6.	GOOGLE	Monday, 11
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	Monday, 11
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	Monday, 11
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	Monday, 11
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)	Monday, 11
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)	Monday, 11
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	Monday, 11

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	Monday, 11
P127	829	The Cryo-Platform at LNGS: an underground millikelvin hub for low-temperature Astroparticle Physics	ANTONIO D'ADDABBO		Poster	PC6.	INFN - LNGS	Monday, 11

Tuesday, 12 August

	ID	Title	Main Author	Coauthors	Type	Theme Area	University / Institution or Company	Presentation
P1	707	Low-field SQUID NMR for studying nanofluidic superfluid helium-3	PETRI J. HEIKKINEN	NATHAN ENG, LEV V. LEVITIN, XAVIER ROJAS, ANGADJIT SINGH, ANTON VORONTSOV, JEEVAK M. PARPIA, ANDREW CASEY, JOHN SAUNDERS	Poster	PC1.	ROYAL HOLLOWAY, UNIVERSITY OF LONDON	Tuesday, 12
P2	714	Quantum Turbulence Triggered by Counterflow in a Connecting Tube	KEN OBARA	KENTO KUWAHIRA, SATSUKI YOSHISAKA, AND HIDEO YANO	Poster	PC1.	OSAKA METROPOLITAN UNIVERSITY	Tuesday, 12
P3	756	Relaxation of the slippage in 3He films by quantum tunneling	JUNKO TANIGUCHI1	TAISEI KASAHARA1, MASARU SUZUKI1	Poster	PC1.	UNIVERSITY OF ELECTRO-COMMUNICATIONS	Tuesday, 12
P4	769	Spin Diffusion of One-Dimensional 3He Fluid Formed in Nanochannels	TAKU MATSUSHITA	AZIMJON A.TEMURJONOV, YUYA MIYAUCHI, YOSHIKI KOBAYASHI, MITSUNORI HIEDA, NOBUO WADA, AND TAKU MATSUSHITA	Poster	PC1.	DEPARTMENT OF PHYSICS, NAGOYA UNIVERSITY	Tuesday, 12
P5	784	Robert-Jones solitary waves on the two-dimensional sphere	DAVIDE PROMENT	NOEL CUADRA, ALBERTO VILLOIS, THOMAS GASENZER	Poster	PC1.	UNIVERSITY OF EAST ANGLIA	Tuesday, 12
P6	798	Superfluid flow states and their stability in lattices of Bose-Einstein condensates	ANNA POSAZHENNIKOVA		Poster	PC1.	INSTITUTE OF PHYSICS, UNIVERSITY OF GREIFSWALD, GREIFSWALD, GERMANY	Tuesday, 12
P7	817	Microwave Optomechanical Transducer for Quantum Fluids Sensing	MATTHEW KENWORTHY	TOM SPEAKE, SUMIT KUMAR, SEAN HIBBIT, CARLA MARTINEZ-IZQUIERDO, XAVIER ROJAS	Poster	PC1.	ROYAL HOLLOWAY UNIVERSITY OF LONDON	Tuesday, 12

P8	858	Towards a Superfluid Helium based Gravitational-Wave Detector	S. HIBBITT	S. KUMAR, T. SPEAKE, M. KENWORTHY, C. MARTÍNEZ-IZQUIERDO, X ROJAS	Poster	PC1.	ROYAL HOLLOWAY UNIVERSITY OF LONDON	Tuesday, 12
P9	865	QMC and density functional studies of squeezed attractive Bose-Bose mixtures	LEANDRA VRANJES MARKIC	IVAN POPARIC, NIKOLA VUKMAN, KREŠIMIR DZELALIJA, PETAR STIPANOVIC, AND JORDI BORONAT	Poster	PC1.	UNIVERSITY OF SPLIT	Tuesday, 12
P10	875	Thin Film Superfluid Optomechanics Towards the Quantum Regime	T. SPEAKE	S. KUMAR, S. HIBBITT, M. KENWORTHY, C. MARTINEZ-IZQUIERDO, X. ROJAS	Poster	PC1.	ROYAL HOLLOWAY, UNIVERSITY OF LONDON	Tuesday, 12
P11	887	Kibble-Zurek Dynamics & Statistics of Topological Defects in Chiral Superfluid ^3He Films	NOBLE GLUSCEVICH	JAMES SAULS	Poster	PC1.	LOUISIANA STATE UNIVERSITY	Tuesday, 12
P12	894	Charge and Radius determination of Multielectron bubbles in liquid Helium-4 including Shape Deformation and Basset History force	AMBARISH GHOSH	DILLIP KUMAR PRADHAN ¹ , SOUTIK SUR ¹ , NEDA SHAMIM ¹ , SHRIGANESH NEERAMOOLE ¹ , VAISAKH VADAKKUMBATT ¹ , AND AMBARISH GHOSH ^{1,2}	Poster	PC1.	INDIAN INSTITUTE OF SCIENCE	Tuesday, 12
P13	943	Hydrodynamic Drag of Multielectron Bubbles in Helium 4	SOUTIK SUR	DILLIP KUMAR PRADHAN, SHRIGANESH NEERAMOOLE, AND AMBARISH GHOSH	Poster	PC1.	INDIAN INSTITUTE OF SCIENCE BANGALORE	Tuesday, 12
P14	965	Spherically symmetric counterflow turbulence in open geometry	LADISLAV SKRBEK	TOMÁŠ DUNCA, BALÁZS SZALAI, MAREK TALÍŘ, FILIP NOVOTNÝ, AND EMIL VARGA	Poster	PC1.	CHARLES UNIVERSITY	Tuesday, 12
P15	978	Strong-Coupling Properties of a 2D-3D mixed dimensional Fermi atomic gas	HARUKA TAKEDA	SHUMPEI IWASAKI AND YOJI OHASHI	Poster	PC1.	KEIO UNIVERSITY, KANAGAWA 223-8522, JAPAN	Tuesday, 12
P16	985	Development of an Experimental Setup for Three-Dimensional Laser Cooling of Positronium	NAOKI MIYAMOTO	KENJI SHU, KOSUKE YOSHIOKA	Poster	PC1.	THE UNIVERSITY OF TOKYO	Tuesday, 12
P17	990	BCS-rashbon BEC crossover in a superfluid gas of Fermi atoms with an anti-centrosymmetric spin-orbit interaction	YUSUKE OKAJIMA	KOKI TAKEMOTO, SHUMPEI IWASAKI, AND YOJI OHASHI	Poster	PC1.	KEIO UNIVERSITY	Tuesday, 12

P18	1058	Detection of Quantum Turbulence in Superfluid ^4He in a Pillbox-Shaped Cell Driven by a Torsional Oscillator	DMITRY E. ZMEEV	PETER V. E. MCCLINTOCK, MALCOLM POOLE, ROCH SCHANEN, VIKTOR TSEPELIN, ŠIMON MIDLIK, DAVID SCHMORANZER, DEEPAK GARG, KALPANA DEVI, CARLOS URIARTE	Poster	PC1.	DEPARTMENT OF PHYSICS, LANCASTER UNIVERSITY	Tuesday, 12
P19	49	Single Crystal Growth and Pressure Effect on Superconductivity of $\text{FeSe}_{1-x}\text{S}_x$	KIYOTAKA MIYOSHI	YUMI YAMAMOTO, TAKANOBU NAKATANI, DAICHI IZUHARA, MASAHIRO MANAGO, GAKU MOTOYAMA, AND KENJI FUJIWARA	Poster	PC2.	SHIMANE UNIVERSITY	Tuesday, 12
P20	50	Pressure-induced Superconductivity and Its Disappearance under Pressure in $\text{CeFeAsO}_{1-x}\text{F}_x$	KIYOTAKA MIYOSHI	TAKUYA MATSUOKA, TAKUMI MAEDA, MASAHIRO MANAGO, GAKU MOTOYAMA, KENJI FUJIWARA, HIROYUKI KITAGAWA	Poster	PC2.	SHIMANE UNIVERSITY	Tuesday, 12
P21	812	Electronic anomaly and structural phase transition in BiS_2 -based superconductor $\text{LaO}_{0.5}\text{F}_{0.5}\text{Bi}_{1-x}\text{Pb}_x\text{S}_2$	YOSHIKI IZUMI	KIYOSHI MIZUSAWA, SAKURA INO, NAOKI MOMONO	Poster	PC2.	MURORAN INSTITUTE OF TECHNOLOGY	Tuesday, 12
P22	813	Sb substitution effects on the electronic transport properties of BiS_2 -based superconductor $\text{LaO}_{0.5}\text{F}_{0.5}(\text{Bi},\text{Sb})\text{S}_2$	KIYOSHI MIZUSAWA	YASUSHI NAKAMURA, IZUMI YOSHIKI, MIKU SASAKI, KAN ZHENG AND NAOKI MOMONO.	Poster	PC2.	MURORAN INSTITUTE OF TECHNOLOGY	Tuesday, 12
P23	815	Evidence of One-Dimensional Superconductivity in $\text{YBa}_2\text{Cu}_3\text{O}_{7-\delta}$ Nanowires	KARN RONGRUEANGKUL	ALESSIA GARIBALDI, KLINTI SINOJMERI, ALEXEI KALABOUKHOV, THILO BAUCH, AND FLORIANA LOMBARDI	Poster	PC2.	CHALMERS UNIVERSITY OF TECHNOLOGY	Tuesday, 12
P24	819	Weak Competition between Superconductivity and the Phase I Order in CeRh_2As_2	JAVIER F. LANDAETA	P. KHANENKO, J. F. LANDAETA, T. LÜHMANN, K. SEMENIUK, M. COLE, A. W. ROST, C. GEIBEL, S. KHIM, E. HASSINGER, AND M. BRANDO	Poster	PC2.	MAX PLANCK INSTITUTE FOR CHEMICAL PHYSICS OF SOLIDS	Tuesday, 12
P25	825	Synthesis and characterization of $\text{La}(\text{O},\text{F})\text{BiS}_2$ with high entropy	YUTO MIYAKE	RYOYA TANABE, TAKERU NISHIMURA, TADATAKA WATANABE, SATOSHI DEMURA	Poster	PC2.	NIHON UNIVERSITY	Tuesday, 12
P26	832	Heat Capacity Investigations of FeSeTe Nanostrips	PHILLIP M WU	WEI-HAN TSAI, CHANDRA SEKHAR GANTEPOGU, YANG-YUAN CHEN AND MAW-KUEN WU	Poster	PC2.	INSTITUTE OF PHYSICS	Tuesday, 12

P27	837	Nucleation and Arrangement of Abrikosov Vortices in Hybrid Superconductor Ferromagnetic Nanostructure	SARA MEMARZADEH	MATEUSZ GOŁĘBIEWSKI ¹ , MACIEJ KRAWCZYK, AND JAROSŁAW KŁOS	Poster	PC2.	INSTITUTE OF SPINTRONICS AND QUANTUM INFORMATION, FACULTY OF PHYSICS AND ASTRONOMY, ADAM MICKIEWICZ UNIVERSITY POZNAŃ	Tuesday, 12
P28	843	Superconducting proximity effect in NbN/Co ₂ MnSi bilayers	IDURU SHIGETA	TAKAHIDE KUBOTA, SHOJIRO KIMURA, BUNJU SHINOZAKI, TAKESHI SEKI, SATOSHI AWAJI, KOKI TAKANASHI AND MASAHIKO HIROI	Poster	PC2.	KAGOSHIMA UNIVERSITY	Tuesday, 12
P29	848	High-temperature superconductivity with zero-resistance and strange metal behaviour in La ₃ Ni ₂ O _{7-δ}	YANAN ZHANG	DAJUN SU, YANEN HUANG, KAIXIN YE, JIAWEN ZHANG, MICHAEL SMIDMAN, MENG WANG, LIN JIAO, AND HUIQIU YUAN	Poster	PC2.	ZHEJIANG UNIVERSITY	Tuesday, 12
P30	852	Superconductivity and Fluctuations near a Polar Quantum Critical Point in a Topological Semimetal	KEITA TANABE	SATOSHI FUJIMOTO, TAKESHI MIZUSHIMA	Poster	PC2.	DEPARTMENT OF MATERIALS ENGINEERING AND SCIENCE, OSAKA UNIVERSITY	Tuesday, 12
P31	855	Negative pressure study on CeRh ₂ As ₂ through La-substitution	SUSHMA LAKSHMI RAVI SANKAR	ARUSHI, JOACHIM WOSNITZA, MANUEL BRANDO AND SEUNGHYUN KHM	Poster	PC2.	MAX PLANCK INSTITUTE FOR CHEMICAL PHYSICS OF SOLIDS	Tuesday, 12
P32	857	Signature of Oxygen-Order in the YBa ₂ Cu ₃ O _{7-d} Orthorhombic Phase across the Ortho-II superstructure in an isothermal transition	ROBERTO F. LUCCAS	LORENZO GALLO, CÉSAR E. SOBRERO, JORGE A. MALARRÍA	Poster	PC2.	INSTITUTE OF PHYSICS ROSARIO, CONICET-UNR	Tuesday, 12
P33	866	Superconducting Diode Effect in Hybrid In/Bi ₂ Te ₃ -flake Structures	MACIEJ CHROBAK	ARTUR TREMBUŁOWICZ, ANDRII NAUMOV, DARIA BABYN, MAREK PRZYBYLSKI	Poster	PC2.	AGH UNIVERSITY OF KRAKOW, FACULTY OF PHYSICS AND APPLIED COMPUTER SCIENCE	Tuesday, 12
P34	868	The interplay between ferromagnetism and superconductivity in V ₂ -xMnxGa ₅ solid solutions	SZYMON KRÓLAK	WIKTORIA JAROSZ, TOMASZ KLIMCZUK	Poster	PC2.	GDAŃSK TECH	Tuesday, 12
P35	880	The Josephson effect in Fibonacci superconductors	IGNACIO SARDINERO	JORGE CAYAO, KEIKI YADA, YUKIO TANAKA, PABLO BURSET	Poster	PC2.	UNIVERSIDAD AUTÓNOMA DE MADRID	Tuesday, 12

P36	891	Suppression of Superconductivity in the Dirac Line-Nodal Metal CaSb ₂ with Element Substitution	ATSUTOSHI IKEDA	SHINGO YONEZAWA, YOSHITERU MAENO	Poster	PC2.	KYOTO UNIVERSITY	Tuesday, 12
P37	897	Probing surface superconductivity in the Weyl semimetal t-PtBi ₂ by local magnetization measurements	JAROSŁAW JURASZEK	CHRISTIAN G.F. BLUM, SABINE WURMEHL, MARCIN KONCZYKOWSKI, BERND BÜCHNER, AND TOMASZ CICHOREK	Poster	PC2.	INSTITUTE OF LOW TEMPERATURE AND STRUCTURE RESEARCH, POLISH ACADEMY OF SCIENCES, WROCŁAW 50-422, POLAND	Tuesday, 12
P38	902	The critical structural parameter related to the superconducting properties of the Pb-substituted La(O,F)BiS ₂	SATSHI DEMURA	GENKI, FUJII, AND SHOGO KUWAHARA	Poster	PC2.	CST, NIHON UNIVERSITY	Tuesday, 12
P39	903	Thermoelectric signatures of Bogoliubov Fermi Surface in superconducting 3D Topological Insulator Heterostructures	PHILLIP MERCEBCACH	BO LU, KEIJI YADA, YUIKO TANAKA, PABLO BURSET	Poster	PC2.	UNIVERSIDAD AUTÓNOMA DE MADRID	Tuesday, 12
P40	905	Superconductivity in Additively Manufactured Ti-rich High-Entropy Alloys	PIOTR SOBOTA	DANIEL GNIDA, JAKUB CIFTCI, ŁUKASZ ŻRODOWSKI, WOJCIECH NOWAK, ADAM PIKUL, RAFAŁ IDCZAK	Poster	PC2.	UNIVERSITY OF WROCLAW	Tuesday, 12
P41	908	Analogies between phonon anomalies and electronic gap features in the infrared response of the ladder compound Sr _{14-x} Ca _x Cu ₂₄ O ₄₁ and those of underdoped YBa ₂ Cu ₃ O _{6+x}	DOMINIK MUNZAR	PETR ADAMUS, BING XU, CHRISTIAN BERNHARD	Poster	PC2.	MASARYK UNIVERSITY	Tuesday, 12
P42	911	Potential of CoSi ₂ for building superconducting quantum circuits	JERE MÄKINEN	W. ZENG, E. MUKHANOVA, E. A. HEREDICIA, C.-W. WU, I. LILJA, T. ELALAILY, J.-J. LIN, S.-S. YEH, AND P. HAKONEN	Poster	PC2.	AALTO UNIVERSITY	Tuesday, 12
P43	912	Optical Conductivity of Low- and High-T _c Superconducting Thin Films	MICHAL ŠINDLER	F. KADLEC, F. HERMAN, C. KADLEC , WEN-YEN TZENG, CHIH-WEI LUO, AND JIUNN-YUAN	Poster	PC2.	FZU - INSTITUTE OF PHYSICS OF THE CZECH ACADEMY OF SCIENCES	Tuesday, 12

P44	916	Ultra-Low Resistance AuGe Contacts for Ultra-Low Temperature Cooling of GaAs 2DESS	KRISTUPAS RAZAS	OMID SHARIFI SEDEH, ALDO TARASCIO, DOMINIK M. ZUMBÜHL	Poster	PC2.	UNIVERSITY OF BASEL	Tuesday, 12
P45	918	Anomalous Josephson and supercurrent diode effect in a kinked junction geometry	JOHANNA BERGER		Poster	PC2.	UNIVERSITY OF REGENSBURG	Tuesday, 12
P46	920	A thermodynamic study of the multiple superconducting phases of UTe ₂	NILS MARQUARDT		Poster	PC2.	CEA GRENOBLE	Tuesday, 12
P47	938	Synthesis and characterization of La(O,F)MS ₂ with high-entropy-alloy-type (HEA-type) MS ₂ (M= Bi, Pb, Sn, Sb, Cd, Pd) layer	YUTO MIYAKE	RYOYA TANABE, TAKERU NISHIMURA, TADATAKA WATANABE, SATOSHI DEMURA	Poster	PC2.	COLLEGE OF SCIENCE AND TECHNOLOGY, NIHON UNIVERSITY	Tuesday, 12
P48	959	Nonlinearity And Critical Current Density In Nanoparticle Added Y-358 Superconductors	AJAY KUMAR GHOSH	IPSITA MUKHERJEE, FIROZ MOLLAH	Poster	PC2.	JADAVPUR UNIVERSITY	Tuesday, 12
P49	969	Theoretical approach to the effects of external magnetic fields on anisotropic superconductors	LUIS A. PÉREZ	CÉSAR G. GALVÁN, CHUMIN WANG	Poster	PC2.	INSTITUTO DE FISICA, UNIVERSIDAD NACIONAL AUTONOMA DE MEXICO	Tuesday, 12
P50	974	Superconducting properties in hexagonal MoN micro single crystals	MOIRA INÉS DOLZ	M.E. GODOY LAHITON, S. WANG, N. HABERKORN	Poster	PC2.	UNIVERSIDAD NACIONAL DE SAN LUIS, CONICET, ARGENTINA	Tuesday, 12
P51	975	Miniaturized cryogenic memory using exchange bias effect in a magnetic Josephson Junction	SONALI BARAL	AVRADEEP PAL	Poster	PC2.	INDIAN INSTITUTE OF TECHNOLOGY, BOMBAY, INDIA	Tuesday, 12
P52	998	Andreev Reflection Spectroscopy of Topological ZrTe ₅ in Magnetic Field	ANKIT KHOLA	PRASANNA ROUT, LALIT PANDEY, SAROJ DASH	Poster	PC2.	CHALMERS UNIVERSITY OF TECHNOLOGY	Tuesday, 12
P53	999	Nuclear spin-lattice relaxation rate and ultrasound attenuation rate in odd-frequency superconductivity	SHUMPEI IWASAKI	YOJI OHASHI	Poster	PC2.	KEIO UNIVERSITY	Tuesday, 12

P54	1005	First-Principle and Bogoliubov–de Gennes Study of Fermi Surface Nesting and Topological Superconductivity in UTe ₂	XIAN DU	JAMES ANNETT	Poster	PC2.	SCHOOL OF PHYSICS, UNIVERSITY OF BRISTOL	Tuesday, 12
P55	52	Emergence of gapless superconductivity and enhancement from disorder in 2H-NbSe ₂ -xSx	HERMANN SUDEROW	JOSE A. MORENO, MERCÈ ROIG, VÍCTOR BARRENA, EDWIN HERRERA, ALBERTO MONTOYA, SAMUEL MAÑAS-VALERO, ANTÓN FENTE, ANITA SMEETS, JAZMÍN ARAGÓN, YANINA FASANO, BEILUN WU, MARIA N. GASTIASORO, EUGENIO CORONADO, JOSE J. BALDOVÍ, BRIAN M. ANDERSEN AND ISABEL GUILLAMÓN	Poster	PC2.	UNIVERSIDAD AUTONOMA DE MADRID	Tuesday, 12
P56	1028	Observation of quantum coherence in superconducting vortices	AMEYA NAMBIAN		Poster	PC2.	KARLSRUHE INSTITUTE OF TECHNOLOGY	Tuesday, 12
P57	752	Electronic structure of 1T-TaS ₂ under uniaxial strain: an ARPES study	SHUTO SUZUKI	KOKI YANAGIZAWA, KOSUKE NAKAYAMA, KATSUAKI SUGAWARA, SEIGO SOUMA, KENICHI OZAWA, KEIJI UENO, TAKASHI TAKAHASHI, AND TAKAFUMI SATO	Poster	PC3.	TOHOKU UNIVERSITY	Tuesday, 12
P58	755	Tuning anomalous magnetotransport properties in the topological semimetal GdPtBi	OREST PAVLOSIUK	PIOTR WIŚNIEWSKI, ROMAIN GRASSET, MARCIN KONCZYKOWSKI, ANDRZEJ PTOK, DARIUSZ KACZOROWSKI	Poster	PC3.	INSTITUTE OF LOW TEMPERATURE AND STRUCTURE RESEARCH, POLISH ACADEMY OF SCIENCES	Tuesday, 12
P60	760	Investigating the influence of uniaxial strain on the ultra-quantum limit in ZrTe ₅	CHIARA COCCHI	ARWIN KOOL, SVEN BADOUX, NIGEL E. HUSSEY, BENOÎT FAUQUÉ, AND STEFFEN WIEDMANN	Poster	PC3.	RADBOD UNIVERSITY	Tuesday, 12
P61	768	Dynamic response of an electric field induced metal-insulator transition in Mn ₃ Si ₂ Te ₆	YANEN HUANG		Poster	PC3.	ZHEJIANG UNIVERSITY	Tuesday, 12

P62	777	Magnetic Properties of a Chiral Magnetic Compound: L-Tartrate Copper (II) Below 4 K	AKIRA YAMAGUCHI	MASATO OE, RINYA AKEMATSU, YU YAMANE, SHIGEKI MIYASAKA, TAKANORI TANIGUCHI, WATARU FUJITA	Poster	PC3.	UNIVERSITY OF HYOGO	Tuesday, 12
P63	779	Carrier Doping Effect on Excitonic Insulator (Ta _{1-x} M _x) ₂ NiSe ₅ (M=Ti, Zr, Hf, Cr)	SHUN TSUCHIDA	RIO YAMASHITA, YUSUKE HIROSE, RIKIO SETTAI	Poster	PC3.	NIIGATA UNIVERSITY	Tuesday, 12
P64	792	From Ta ₂ NiS ₅ to Ta ₂ NiSe ₅ : Simultaneous Enhancement of Electronic Gap Opening and Soft Phonons Revealed by Thermal Transport	YUAN-SHAN ZHANG	MASAHICO ISOBE, DENNIS HUANG, HIDENORI TAKAGI	Poster	PC3.	MAX PLANCK INSTITUTE FOR SOLID STATE RESEARCH	Tuesday, 12
P65	820	Pressure induced quantum criticality in UX ₂ (X = P, Sb)	KAIXIN YE	XUWEN HE, YANAN ZHANG, QIUYUN CHEN AND HUIQIU YUAN	Poster	PC3.	CENTER FOR CORRELATED MATTER AND SCHOOL OF PHYSICS, ZHEJIANG UNIVERSITY	Tuesday, 12
P66	821	Spin Nernst effect of magnons in spin-nonconserving systems	SHINNOSUKE KOYAMA	JOJI NASU	Poster	PC3.	TOHOKU UNIVERSITY	Tuesday, 12
P67	830	Dual Negative Thermal Expansion in Cu ₂ P ₂ O ₇	HUNG-CHENG WU	CHIH-HSUAN WANG, YU-HSIN LIAO, CHIH-CHUNG TSAI, CHIN-WEI WANG	Poster	PC3.	NATIONAL SUN YAT-SEN UNIVERSITY	Tuesday, 12
P68	833	Pressure-induced structural phase transitions in the van der Waals multiferroic CuCrP ₂ S ₆	SWARNAMAYEE MISHRA		Poster	PC3.	TECHNICAL UNIVERSITY DRESDEN	Tuesday, 12
P69	836	Magnetic characterization of isolated Ni nanowires using MEMS	MOIRA DOLZ	EVELYN ESCUDERO BRUNA, FEDERICO ROMÁ, FERNANDO MENESES, PAULA BERCOFF	Poster	PC3.	UNIVERSIDAD NACIONAL DE SAN LUIS, CONICET, ARGENTINA	Tuesday, 12
P70	856	Specific Heat Study on the Magnetic Anisotropy of the Anomalous Ordered States in Kondo semiconductor CeOs ₄ Sb ₁₂	YUJI AOKI	SHIZUKA TODA, ATSUSHI IMAMURA, DAISUKE KIKUCHI, AND HIDEYUKI SATO	Poster	PC3.	TOKYO METROPOLITAN UNIVERSITY	Tuesday, 12
P71	859	Witnessing entanglement in quantum critical Ce ₃ Pd ₂₀ Si ₆	FEDERICO MAZZA	SOUNAK BISWAS, XINLIN YAN, ANDREY PROKOFIEV, PAUL STEFFENS, QIMIAO SI, FAKHER F. ASSAAD, SILKE PASCHEN	Poster	PC3.	VIENNA UNIVERSITY OF TECHNOLOGY	Tuesday, 12

P72	862	Frequency response of self-generated topological pn-junction in SmB6	JIAWEN ZHANG	ZHENQI HUA, CHENGWEI WANG, MICHAEL SMIDMAN, DAVID GRAF, SEAN THOMAS, PRISCILA F. S. ROSAAND, STEFFEN WIRTH, XI DAI, PENG XIONG, HUIQIU YUAN, XIAOYU WANG, LIN JIAO	Poster	PC3.	ZHEJIANG UNIVERSITY	Tuesday, 12
P73	871	New Type of Antiferromagnetic Topological Insulator NdBi and GdBi Studied by Micro-focused ARPES	ASUKA HONMA	DAICHI TAKANE, NORIYUKI KABEYA, SEIGO SOUMA, YONGJIAN WANG, KUNIIHIKO YAMAUCHI, KOSUKE NAKAYAMA, KATSUAKI SUGAWARA, MIHO KITAMURA, KOJI HORIBA, KENICHI OZAWA, HIROSHI KUMIGASHIRA, KIYOHISA TANAKA, TIMUR K. KIM, CEPHISE CACHO, TAMIO OGUCHI, TAKASHI TAKAHASHI, NORIAKI KIMURA, YOICHI ANDO, AND TAKAFUMI SATO	Poster	PC3.	DEPARTMENT OF PHYSICS, TOHOKU UNIVERSITY	Tuesday, 12
P74	889	A Kitaev quantum spin liquid candidate isolated in a two-dimensional CoIrRhIII bimetallic oxalate network	FERNANDO LUIS	E. BURZURÍ, M. J. MARTÍNEZ-PÉREZ, C. MARTÍ-GASTALDO, M. EVANGELISTI, S. MAÑAS-VALERO, E. CORONADO, J. I. MARTÍNEZ, J. R. GALÁN-MASCARÓS	Poster	PC3.	INMA. CSIC	Tuesday, 12
P75	896	Domain wall engineering in distorted kagome magnet	AVDHESH KUMAR SHARMA	PREMAKUMAR YANDA, SAMUEL HARRISON MOODY, RALF KOBAN, SUBHAJIT ROYCHOWDHURY, MARKUS KÖNIG, CHANDRA SHEKHAR AND CLAUDIA FELSER	Poster	PC3.	MAX PLANCK INSTITUTE FOR CHEMICAL PHYSICS OF SOLIDS, DRESDEN (GERMANY)	Tuesday, 12
P76	970	Observation of anisotropic magnetoresistance in MnTe	ITSUKI HAMABE	TAKUYA AOYAMA, YOSHINORI IMAI, KENYA OHGUSHI	Poster	PC3.	TOHOKU UNIVERSITY	Tuesday, 12
P77	976	Hidden charge density wave instability in ultra-high power factor of semimetal Ta2PdSe6	AKITOSHI NAKANO	TAISHUN MANJO, DAISUKE ISHIKAWA, ALFRED Q. R. BARON, TAKUMI HASEGAWA, AND ICHIRO TERASAKI	Poster	PC3.	NAGOYA UNIVERSITY	Tuesday, 12

P78	982	Topological thermal Hall effect and nondissipative transport of the nanometric skyrmion lattice in $\text{Gd}_{0.2}\text{PdSi}_{0.3}$	PARISA MOKHTARI	DAIKI YAMAGUCHI, RINSUKE YAMADA, AKIKO KIKKAWA, YASUJIRO TAGUCHI, YOSHINORI, MAX HIRSCHBERGER	Poster	PC3.	DEPARTMENT OF APPLIED PHYSICS AND QUANTUM PHASE ELECTRONICS CENTER (QCEP), THE UNIVERSITY OF TOKYO (JAPAN); CENTER FOR ELECTRONIC CORRELATIONS AND MAGNETISM, UNIVERSITY OF AUGSBURG (GERMANY)	Tuesday, 12
P79	991	Chirality-induced spin-selective Peierls transition	SHUN ASANO	YOUICHI YANASE	Poster	PC3.	KYOTO UNIVERSITY	Tuesday, 12
P80	993	Magnetic properties of solid solutions ludwigites $\text{Co}_{1-x}\text{Mn}_x\text{BO}_5$	DINA I. FAZLIZHANOVA	DANIIL V. POPOV, MIKHAIL A. CHEROSOV, RUSLAN G. BATULIN, EVGENIYA M. MOSHKINA, AND RUSHANA M. EREMINA	Poster	PC3.	ZAVOISKY PHYSICAL-TECHNICAL INSTITUTE, FEDERAL RESEARCH CENTER "KAZAN SCIENTIFIC CENTER OF RAS", 420029 KAZAN, RUSSIA	Tuesday, 12
P81	1001	Magnetic properties of ludwigites $\text{Cu}_2\text{MnBO}_5\text{:Cr}$	RUSHANA EREMINA	DANIIL V. POPOV, IVAN V. YATSYK, MIKHAIL A. CHEROSOV, RUSLAN G. BATULIN, EVGENIYA M. MOSHKINA	Poster	PC3.	ZAVOISKY PHYSICAL-TECHNICAL INSTITUTE, FEDERAL RESEARCH CENTER "KAZAN SCIENTIFIC CENTER OF RAS", KAZAN, RUSSIA	Tuesday, 12
P82	1031	Disentangling the Origin of Exotic Spin Splitting in Kagome Magnet NdTi_3Bi_4	GUODONG LIU	NENG CAI, LEI JIN, LONG CHEN, BO LIANG, WENPEI ZHU, TAIMING MIAO, XIAOMING ZHANG, GANG WANG, LIN ZHAO, XINGJIANG ZHOU	Poster	PC3.	INSTITUTE OF PHYSICS, CHINESE ACADEMY OF SCIENCES	Tuesday, 12
P83	1032	Mode Selective Electron-Phonon coupling Driven Charge Density Wave	PRIYANKA MEENA	PRIYANKA MEENA, PRITHWIJA MANDAL, MOHIT MUDGAL, VIVEK KUMAR MALIK, SANJOY KR MAHATHA, AJAY SONI AND JAYITA NAYAK	Poster	PC3.	DEPARTMENT OF PHYSICS IIT KANPUR, INDIA	Tuesday, 12

P84	1033	Study of Magneto-Transport Properties of axion insulator	MOHIT MUDGAL	MOHIT MUDGAL1, DEBASIS DUTTA1, PRIYANKA MEENA1, VENKATESWARA YENUGONDA1,2, VISHNU KUMAR TIWARI1, VIVEK KUMAR MALIK3, JENS BUCK4,5, KAI ROSSNAGEL4, 5, SANJOY KR MAHATHA6, AMIT AGARWAL1, AND JAYITA NAYAK1	Poster	PC3.	FARE FELLOW DEPARTMENT OF PHYSICS IIT KANPUR	Tuesday, 12
P85	850	Anomalous, Temperature-driven Negative Magnetoresistance in Carbon-Black Samples	ALEX APARECIDO-FERREIRA	E. S. ALVES, G.M. RIBEIRO, AND J. F. SAMPAIO	Poster	PC4.	UNIVERSIDADE FEDERAL DO PARANÁ	Tuesday, 12
P86	869	Open quantum systems in fast-drive regime - frequency-domain numerical approach	ALEKSANDR STRELNIKOV	LUCA MAGAZZÙ, JUKKA PEKOLA	Poster	PC4.	AALTO UNIVERSITY	Tuesday, 12
P87	909	Temperature Effects on the Charge Transport and Optical Properties in MoS ₂ /PEDOT and WSe ₂ /PEDOT Composites	ALLAN TARDIOLLE	RENAN BARBIERI ESTEFANI, PIERRE NICKMILDER, JOSÉ PEDRO M. SERBENA, CELSO DUARTE DE ARAÚJO, NEY PEREIRA MATTOSO, PHILIPPE LECLERE AND ALEX APARECIDO-FERREIRA	Poster	PC4.	DEPARTAMENTO DE FÍSICA, UNIVERSIDADE FEDERAL DO PARANÁ	Tuesday, 12
P88	932	Electronic transport in the superconducting Weyl semimetal trigonal-PtBi ₂	ANKIT KUMAR	MICHELE CECCARDI, JIANG QU, ARTHUR VEYRAR, JOSEPH DUFOULEUR, BERND BÜCHNER	Poster	PC4.	IFW DRESDEN / TU DRESDEN	Tuesday, 12
P89	944	Atomic sized contacts and electronic transport in α -Sn	E.GUZMÁN	C. SABATER, C. UNTIEDT	Poster	PC4.	UNIVERSIDAD DE ALICANTE	Tuesday, 12
P90	960	Persistent Currents in Helical Structures with Aubry-Andre Modulation	B. TANATAR	T. YILDIZ, S. KUCUK	Poster	PC4.	BILKENT UNIVERSITY	Tuesday, 12
P91	972	The Interplay of Topology, Electron-electron Interaction, and Disorder – Entanglement Reconstruction in a Tunable Quantum Hall System	JIAN HUANG	HOAI ANH HO, L.N. PFEIFFER, K.W. WEST	Poster	PC4.	WAYNE STATE UNIVERSITY	Tuesday, 12

P92	980	Challenges in identifying intrinsic two-fold symmetry via transport measurements in the kagome superconductor CsV3Sb5	YU-CHI YAO	FEI SUN, PHIL. D. C. KING AND HAIJING ZHANG	Poster	PC4.	MAX PLANCK INSTITUTE FOR CHEMICAL PHYSICS OF SOLIDS	Tuesday, 12
P93	1014	Phononic Casimir Effect	PABLO RODRIGUEZ LOPEZ	DAI-NAM LE AND LILIA M- WOODS	Poster	PC4.	UNIVERSIDAD REY JUAN CARLOS	Tuesday, 12
P94	1017	Giant Heat Flux Effect in Non-Chiral Transmission Lines	EUGENE V. SUKHORUKOV	FLORIAN STABLER, ALIOUNE GADIAGA,	Poster	PC4.	UNIVERSITY OF GENEVA, SWITZERLAND	Tuesday, 12
P95	1029	Ion migration induced bipolar diode effect and ferroelectricity modulation in CuInP2S6	JIE XING	DONGKE RONG, CHENG TIAN, QIAO JIN, FANGYUAN MA, GUOZHEN LIU, JIE QIU, CHANGCHUN ZHAO, HUIYING HAO, JINGJING DONG, HAO LIU, YOUGUO SHI, AND ER-JIA GUO	Poster	PC4.	CHINA UNIVERSITY OF GEOSCIENCES (BEIJING)	Tuesday, 12
P96	1044	Enhanced and Modulable Induced Superconducting Gap and Effective Landé g-Factor in Pb-InSb Hybrid Devices	XIAO DENG	GUOAN LI, XIAOFAN SHI, ZIWEI DOU, GUANG YANG, JIAYU SHI, MARCO ROSSI, GHADA BADAWY, YUPENG LI, ZHIYUAN ZHANG, ANQI WANG, XINGCHEN GUO, BINGBING TONG, PEILING LI, ZHAOZHENG LYU, GUANGTONG LIU, FANMING QU, ERIK P. A. M. BAKKERS, MICHAŁ P. NOWAK, PAWEŁ WÓJCIK, LI LU, AND JIE SHEN.	Poster	PC4.	INSTITUTE OF PHYSICS, CHINESE ACADEMY OF SCIENCES	Tuesday, 12
P97	1049	Proximity-induced spin-triplet superconductivity at the interface of Ising superconductor/Néel antiferromagnet bilayers	GUANGTONG LIU1	XINYI ZHENG, RUIHUAN DUAN, XILIN FENG, AND LI LU	Poster	PC4.	INSTITUTE OF PHYSICS, CHINESE ACADEMY OF SCIENCES	Tuesday, 12
P98	1053	A Magnetic Field Tunable Anisotropic Luttinger Liquid Edge State in Ta2Pd3Te5	XINGCHEN GUO	ANQI WANG, YUPENG LI, GUO'AN LI1 , ZHIYUAN ZHANG, XIAOFAN SHI, XIAO DENG, YOUGUO SHI, JIE SHEN	Poster	PC4.	HANGZHOU KEY LABORATORY OF QUANTUM MATTER, SCHOOL OF PHYSICS, HANGZHOU NORMAL UNIVERSITY	Tuesday, 12

P99	1082	PROXIMITY EFFECTS IN SUPERCONDUCTOR-ALTERMAGNET HETEROSTRUCTURES	RODRIGO DE LAS HERAS		Poster	PC4.	UNIVERSITY OF THE BASQUE COUNTRY	Tuesday, 12
P100	793	RF Reflectometry for Electrons on Helium	ASHER JENNINGS	IVAN GRYTSENKO, JUN WANG, YIRAN TIAN, OLEKSIY RYBALKO, ERIKA KAWAKAMI	Poster	PC5.	RIKEN	Tuesday, 12
P101	818	Enhanced pumping rate of artificial atoms coupled to a resonating mode	WEICHEN CHIEN	CHIEN-HAN CHEN, HIROSHI SHIMADA AND WATSON KUO	Poster	PC5.	DEPARTMENT OF PHYSICS, NATIONAL CHUNG HSING UNIVERSITY, TAIWAN	Tuesday, 12
P102	824	State transfer and entangled state preparation using a Fibonacci quantum pump	ARNOB KUMAR GHOSH	PATRIC HOLMVALL, VAHID AZIMI MOUSOLOU, RUBÉN SEOANE SOUTO, ANNICA M. BLACK-SCHAFFER	Poster	PC5.	UPPSALA UNIVERSITY, SWEDEN	Tuesday, 12
P103	841	Observation and Coherent control of Bloch oscillations in a superconducting circuit	DONGNING ZHENG	PENGTAO SONG, ZHONGCHENG XIANG	Poster	PC5.	INSTITUTE OF PHYSICS, CHINESE ACADEMY OF SCIENCES	Tuesday, 12
P104	842	Dissipative entanglement generation by coherent collisions	SUNGGUEN RYU	A MERT BOZKURT, ROSA LÓPEZ	Poster	PC5.	INSTITUTE FOR CROSS-DISCIPLINARY PHYSICS AND COMPLEX SYSTEMS (UIB-CSIC)	Tuesday, 12
P105	890	On-Chip Magnetic Spectroscopy of a Molecular Spin Clock Transition in Competition with Spin-Spin Interactions	FERNANDO LUIS	M. RUBÍN-OSANZ, M. C. DE ORY, J. ROMÁN-ROCHE, F. LAMBERT, F. SHAO, E. RIVIÈRE, R. GUILLOT, D. GRANADOS, D. ZUECO, T. MALLAH, A. GOMEZ	Poster	PC5.	INMA. CSIC	Tuesday, 12
P106	994	On-Demand Microwave shaped Single-photon source with strong coupling qubit pair	HSIN CHANG	KAI-I CHU, XIAO-CHENG LU, WEI-CHENG HUNG AND YUNG-FU CHEN	Poster	PC5.	NATIONAL CENTRAL UNIVERSITY	Tuesday, 12
P107	1007	Dual Tone Spectroscopy of Atomic Tunneling Systems	JAN BLICKBERNDT	ANTON JARECKA, MORITZ MAUR, ANDREAS FLEISCHMANN, ANDREAS REISER, CHRISTIAN ENSS	Poster	PC5.	KIRCHHOFF-INSTITUTE FOR PHYSICS, HEIDELBERG UNIVERSITY	Tuesday, 12
P108	1039	Innovative design and fabrication of a 21-qubit superconducting quantum processor for high-fidelity gate operations	BINGJIE CHEN	TIANMING LI, HAOTIAN LIU , AND DONGNING ZHENG	Poster	PC5.	INSTITUTE OF PHYSICS, CHINESE ACADEMY OF SCIENCES	Tuesday, 12

P109	921	Balanced homodyne detection of CV states using traveling wave Josephson parametric amplifiers	EKATERINA MUKHANOVA	I. LILJA, S. KHALDEEV, K. PETROVNIN, V. VESTERINEN, AND P. HAKONEN	Poster	PC6.	AALTO UNIVERSITY	Tuesday, 12
P110	847	Oscillating Nanowire (NEMS) Resonator Used as Local Probes of Quantum Turbulence in Superfluid 4He	STANISLAV HARAŠTA	ANDREI GHEORGHE, JAKUB MIKEŠ, DAVID SCHMORANZER, DMITRY ZMEEV	Poster	PC6.	CHARLES UNIVERSITY, FACULTY OF MATHEMATICS AND PHYSICS	Tuesday, 12
P111	853	Correlation between magnetocaloric effect and crystal growth in calcium-doped lanthanum manganite	YUKI NAKAJIMA	YOSHIKI MARUYAMA, ZHOU DEJUN, OVIJIT CHANDROW, SHUMSUN NAHER BEGUM, MASASHI OHASHI	Poster	PC6.	KANAZAWA UNIVERSITY	Tuesday, 12
P112	854	Developments of the magneto-optical Kerr effect measurement method under extreme conditions of low temperature and high magnetic field	SOTA NAKAMURA	ATSUTOSHI IKEDA, KOSUKE NODA, AKIHIKO IKEDA, SHINGO YONEZAWA	Poster	PC6.	KYOTO UNIVERSITY	Tuesday, 12
P113	886	Cooling of superconducting qubits immersed in a quantum fluid bath	D. DOLING, A. CARRECK	N. ENG, L. LEVITIN, V. ANTONOV, R. SHAIKHAIDAROV, A. TZALENCHUK, S. DE GRAAF, T. LINDSTROM, A. CASEY AND J. SAUNDERS	Poster	PC6.	ROYAL HOLLOWAY, UNIVERSITY OF LONDON	Tuesday, 12
P114	888	Experiments on Turbulent Convection at Very High Rayleigh Numbers: Low-Temperature and Room-Temperature Studies	PAVEL URBAN	VĚRA MUSILOVÁ, KATEPALLI R. SREENIVASAN, LADISLAV SKRBEK	Poster	PC6.	THE CZECH ACADEMY OF SCIENCES, INSTITUTE OF SCIENTIFIC INSTRUMENTS	Tuesday, 12
P115	899	Experimental comparison of shot noise thermometer and coulomb blockade thermometer	EEMIL PRAKS	LIBIN WANG, YU-CHENG CHANG, JUKKA PEKOLA	Poster	PC6.	AALTO UNIVERSITY	Tuesday, 12
P116	925	A Setup for the Evaluation of Thermal Contact Resistance Using 2 Heaters and 2 Sensors Method.	B.A. FRANCISCO	R. GONÇALVES DOS SANTOS	Poster	PC6.	UNIVERSITY OF CAMPINAS	Tuesday, 12
P117	935	Spherical particles of rare earth intermetallic compounds RT2 for cryogenic magnetic refrigeration applications	AKIKO T. SAITO	HIROYUKI TAKEYA, TAKAFUMI YAMAMOTO, KOJI KAMIYA, TAKENORI NUMAZAWA	Poster	PC6.	NATIONAL INSTITUTE FOR MATERIALS SCIENCE	Tuesday, 12

P118	946	Influence of Measurement Techniques and Film Thickness on the Resistivity of NbTiN Thin Films	LUBUNA BEEGUM SHAFEEK	SALVATORE BAGIANTE1	Poster	PC6.	INSTITUTE OF SCIENCE AND TECHNOLOGY AUSTRIA	Tuesday, 12
P119	983	Development of Alternative Cryoprotectants for Enhanced Cell Viability	IZABELA MILOGRODZKA	AMANDA ABRAHAM, SAFFRON J. BRYANT, GARY BRYANT	Poster	PC6.	RMIT UNIVERSITY	Tuesday, 12
P120	987	NUMERICAL STUDY OF A CRYOGENIC PULSATING HEAT PIPE FOR COOLING SUPERCONDUCTING SYSTEMS	AEJUNG YOON	HO JIN EOM, JOOHAN BAE, SUNG JIN KIM	Poster	PC6.	ULSAN NATIONAL INSTITUTE OF SCIENCE AND TECHNOLOGY	Tuesday, 12
P121	989	Development of an ultra-compact microwave resonator for ESR measurement	YUYA ISHIKAWA	YUTAKA KURACHI, JARNO JÄRVINEN, SERGEY VASILIEV, YUTAKA FUJII	Poster	PC6.	RESEARCH CENTER FOR DEVELOPMENT OF FAR-INFRARED REGION, UNIVERSITY OF FUKUI	Tuesday, 12
P122	1004	A non-magnetic cryogenic interferometer for characterizing optomechanical magnetic field detectors for biomagnetism	ENRICO RAGUCCI	I. HILSCENZ, N. MANCA, D. MARRÉ, L. PELLEGRINO, T. HÄNKE, A. SCHWARZ, W.J. VENSTRA, A. KALABOUKHOV AND S. DELLA PENNA	Poster	PC6.	CONSIGLIO NAZIONALE DELLE RICERCHE, ITALY	Tuesday, 12
P123	1010	Quantized Vortices in Multi-Component Superfluids	LEV MELNIKOVSKY		Poster	PC1.	WEIZMANN INSTITUTE OF SCIENCE / KAPITZA INSTITUTE FOR PHYSICAL PROBLEMS	Tuesday, 12
P124	1019	Full accountability of liquid Helium use: A necessary step towards 100% recovery of liquid Helium	HERMANN SUDEROW	JOSE NAVARRETE1, JUAN RAMÓN MARIJUAN1, RAFAEL ÁLVAREZ MONTOYA2, JOSE ANTONIO MORENO3, MIGUEL AGUEDA3, ÓSCAR BOU3, PABLO GARCÍA3, PAULA OBLADEN3, JAIME RUMEU3, EDWIN HERRERA3, FEDERICO MOMPEÁN4, ISABEL GUILLAMÓN3, MAR GARCÍA HERNÁNDEZ	Poster	PC6.	UNIVERSIDAD AUTONOMA DE MADRID	Tuesday, 12
P125	1035	Real-time Monitoring of Neon Film Growth for Electron-on-Neon Qubits	SIDHARTH DUTHALURU		Poster	PC6.	DEPARTMENT OF PHYSICS, WASHINGTON UNIVERSITY,	Tuesday, 12