

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	WOOYOUNG 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 KVTNITSKAYA	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
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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
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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 $\text{Bi}_{2-x}\text{Pb}_x\text{Sr}_2\text{CaCu}_2\text{O}_{8+\delta}$ 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_2RuO_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
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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
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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
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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
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P76	243	Scanning SQUID Imaging of Noncollinear Antiferromagnetic Domains in EuTiO_3 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 MnSc_2S_4	JUSTUS GRUMBACH	MARTIN ROTTER, MAHMOUD DEEB, SERGEY GRANOVSKY, VLADIMIR TSURKAN, LILIAN PRODAN, AND MATHIAS DOERR	Poster	PC3.	TU DRESDEN - IFMP	Friday, 8
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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 WTe ₂ 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
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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
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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	ZHENG YANG 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	WAEEL 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 KUNIHIO 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. LUOMAHAARA, 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