

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
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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
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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
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P10	533	Anomalous Paramagnetic Response of Superfluid ^3He -B in Stretched Aerogels	TAKESHI MIZUSHIMA		Poster	PC1.	OSAKA UNIVERSITY	Monday, 11
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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
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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
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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. KASHCHEYEV	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. GRYTSENKO, 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	98	Performance of Silicon photomultipliers at low temperatures	ALEKSEI SEMAKIN	OTTO HANSKI, TOM KIILERICH, SAMPSA AHOPELTO, JANNE AHOKAS, VIACHESLAV DVORNICHENKO,	Poster	PC5.	UNIVERSITY OF TURKU	Monday, 11
P120	609	Low temperature magnetic thermometry with LCSI 372 Resistance Bridge	VLADIMIR SHVARTS	ASHLEY HUFF	Poster	PC6.	GOOGLE	Monday, 11
P121	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
P122	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
P123	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
P124	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
P125	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
P126	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

P127	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
P128	829	The Cryo-Platform at LNGS: an underground millikelvin hub for low-temperature Astroparticle Physics	ANTONIO D'ADDABBO		Poster	PC6.	INFN - LNGS	Monday, 11