

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. KHMELENKO	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 BaPtAs _{1-x} 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 $\text{BaFe}_2(\text{As,P})_2$ and $\text{Ba}(\text{Fe,Co})_2\text{As}_2$ 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 $\text{FeSr}_2\text{RECu}_2\text{O}_{6+y}$ (RE = Y and Rare Earth)	YOSHIAKI 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 $\text{La}_3\text{Ni}_2\text{O}_7$ 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 $(\text{Sr}, \text{Ba})_2\text{ScCoPO}_3$ 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 Zr6MBi2	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 CeRh2As2	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 Sr2RuO4	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.	ÉCOLE 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	μ SR 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-TaS ₂ 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 Oxchalcogenides 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 Ba2MgReO6 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 U _{1-x} Th _x Be ₁₃	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 YbCu _{5-x} Ni _x	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) ₂ Si ₂ Ce(Ru-4d) ₂ Si ₂ from magnetic properties	KAZUO YANO	YUSUKE AMAKAI ² , YOSHIKI 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 q ₂ DEG 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. SHELUDIYAKOV, 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. NISSILÄ, 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