



8.2 Detailed Program

Monday

Monday, August 20th, 2018

07:30-08:45	Registration	
08:45-09:00	Opening Ceremony <i>Chair: Fuchun Zhang, Univ. of CAS, China</i>	Room 1
09:00-09:40	Plenary 1: Pseudogap in Cuprates, Thermodynamic Evidence for Nematic Phase Transition <i>Yuji Matsuda, Kyoto Univ., Japan</i> <i>Chair: Fuchun Zhang, Univ. of CAS, China</i>	Room 1
09:40-10:20	Plenary 2: High-Temperature Superconductivity in Iron Chalcogenides <i>Dunghai Lee, Univ. of California, Berkeley, USA</i> <i>Chair: Fuchun Zhang, Univ. of CAS, China</i>	Room 1
10:20-10:45	Coffee Break 25 minutes	
10:45-11:25	Plenary 3: What Makes Cuprate Superconductors so Amazing? <i>Ivan Bozovic, Brookhaven Nat. Lab. and Yale Univ.</i> <i>Chair: Tao Xiang, Inst. of Physics, CAS, China</i>	Room 1
11:25-12:05	Plenary 4: Superconducting Qubits Enable Quantum Control of Surface Wave Phonons <i>Andrew Cleland, Univ. of Chicago</i> <i>Chair: Tao Xiang, Inst. of Physics, CAS, China</i>	Room 1
12:05-14:00	Poster Session 1: Materials & Applications / Lunch	
14:00-15:55	Parallel Oral Sessions : Mo-S01 – Mo-S05	Room 2-6
15:55-16:15	Coffee Break 20 minutes	
16:15-18:20	Parallel Oral Sessions : Mo-S06 – Mo-S10	Room 2-6

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Mon. Aug. 20 th 14:00-15:55	Session: Mo-S01 Cuprates SC State-1 Room 2 <i>Chair: Daniel Dessau, Univ. of Colorado Boulder, USA</i>
Invited 14:00-14:20	Collapse of superconductivity in cuprates via ultrafast quenching of phase coherence <i>Andrea Damascelli, Univ. of British Columbia, USA</i>
Invited 14:20-14:40	The attraction between antiferromagnetic quantum vortices as origin of superconductivity in hole-doped cuprates <i>Pieralberto Marchetti, Univ. di Padova, Italia</i>
Invited 14:40-15:00	Unusual superconducting gap in the cuprates: The Raman study on Bi2223 <i>Setsuko Tajima, Osaka Univ., Japan</i>
Invited 15:00-15:20	High Temperature Superconductivity in Monolayer Bi₂Sr₂CaCu₂O_{8+δ} <i>Yuanbo Zhang, Fudan Univ., China</i>
Invited 15:20-15:40	TBA <i>Alessandra Lanzara, Lawrence Berkeley National Lab, USA</i>
Contributed 15:40-15:55	The Superconducting Phase Diagram of High-T_c Cuprates <i>Eduardo Marino, Federal Univ. of Rio de Janeiro, Brazil</i>
Mon. Aug. 20 th 14:00-15:55	Session: Mo-S02 IBS Topological Room 3 <i>Chair: Joerg Schmalian, Karlsruhe Inst. of Techn., Germany</i>
Invited 14:00-14:20	Stripes and Topological States in FeSe Film <i>Wei Li, Tsinghua Univ., China</i>
Invited 14:20-14:40	High resolution laser-ARPES on topological superconductivity on surface <i>Shik Shin, Univ. of Tokyo, Japan</i>
Invited 14:40-15:00	Topological superconductivity and Majorana bound state in Fe-based superconductors <i>Hong Ding, Inst. of Physics, CAS, China</i>
Invited 15:00-15:20	Topology meets High T_c Superconductivity in the FeTe_{1-x}Se_x family <i>Peter Johnson, Brookhaven National Lab, USA</i>
Invited 15:20-15:40	Quantum Anomalous Vortex and Majorana Zero Mode in FeTe_{1-x}Se_x Superconductors <i>Ziqiang Wang, Boston College, USA</i>



Contributed 15:40-15:55	Topological Superconductivity on the Surface of Fe-Based Superconductors <i>Gang Xu, Huazhong Univ. of Sci. and Tech., China</i>
Mon. Aug. 20 th 14:00-15:55	Session: Mo-S03 2D SC Room 4 <i>Chair: Lili Wang, Tsinghua Univ., China</i>
Invited 14:00-14:20	Two-dimensional superconductivity in few-layer stanene <i>Ding Zhang, Tsinghua Univ., China</i>
Invited 14:20-14:40	Quantum phase transitions in gate-induced 2D superconductivity <i>Yoshihiro Iwasa, Univ. of Tokyo, Japan</i>
Invited 14:40-15:00	Superconductivity in Topological Semimetals <i>Jian Wang, Peking Univ., China</i>
Invited 15:00-15:20	Superconductivity in Bi/Ni bi-layer system <i>Elisa Baggio-Saitovitch, Centro Brasileiro de Pesq. Fís., Brasil</i>
Invited 15:20-15:40	Coexistence of both Ising and Rashba type spin textures in monolayer NbSe₂ <i>Shuyun Zhou, Tsinghua Univ., China</i>
Contributed 15:40-15:55	Unconventional 2D Superconductors: The Out-Of-Equilibrium Response to A Laser Pulse <i>Adolfo Avella, Univ. degli Studi di Salerno, Italy</i>
Mon. Aug. 20 th 14:00-15:35	Session: Mo-S04 SC-Reduced Symmetry Room 5 <i>Chair: Siddharth Saxena, Univ. of Cambridge., UK</i>
Invited 14:00-14:20	Nonreciprocal charge transport in noncentrosymmetric superconductors <i>Naoto Nagaosa, Univ. of Tokyo, Japan</i>
Invited 14:20-14:40	Fit to Superconduct? - Cooper Pairing in Materials with reduced Symmetry <i>Manfred Sigrist, ETH Zurich, Switzerland</i>
Invited 14:40-15:00	Superconductivity with broken time reversal symmetry <i>Huiqiu Yuan, Zhejiang Univ., China</i>
Invited 15:00-15:20	Superconductivity in Weakly Correlated Noncentrosymmetric Systems <i>Ernst Bauer, Technische Univ. Wien, Austria</i>

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Contributed 15:20-15:35	Unconventional Superconductivity in noncentrosymmetric superconductors <i>Deepak Singh, ISIS Neutron and Muon Source, UK</i>
Mon. Aug. 20th 14:00-15:55	Session: Mo-S05 High T_c Mechanism Room 6 <i>Chair: Jian-Xin Li, Nanjing Univ., China</i>
Invited 14:00-14:20	Theoretical Analysis of the Energy-, Momentum- and Temperature-Dependent Quasiparticle Self-Energies in BSCCO Superconductors <i>Bruce Normand, Paul Scherrer Inst., Switzerland</i>
Invited 14:20-14:40	Genes of unconventional high temperature superconductors <i>Jiangping Hu, Inst. of Physics, CAS, China</i>
Invited 14:40-15:00	Mimicking Cupates with Silver and Fluorine <i>José Lorenzana, CNR, Italy</i>
Invited 15:00-15:20	Experimental tests of the AdS-CFT description of cuprate strange metals <i>Mark Golden, Univ. of Amsterdam, Netherlands</i>
Invited 15:20-15:40	Dark Fermion Theory and Ab Initio Studies on Cuprate Superconductors <i>Masatoshi Imada, Univ. of Tokyo, Japan</i>
Contributed 15:40-15:55	Zero Energy States at a Normal--Cuprate-Superconductor Interface Probed by Shot Noise <i>Michael Reznikov, Technion-Israel Inst. of Tech., Israel</i>
15:55-16:15	Coffee Break 20 minutes
Mon. Aug. 20th 16:15-18:20	Session: Mo-S06 Cuprates Elec. State-1 Room 2 <i>Chair: Andrea Damascelli, Univ. of British Columbia, USA</i>
Invited 16:15-16:35	Electronic Self-Energies in Cuprates Beyond EDCs and MDCs – Self-Energy Conversion and Positive Feedback on the Pairing Interactions <i>Daniel Dessau, Univ. of Colorado Boulder, USA</i>
Invited 16:35-16:55	Effects of Reduction Annealing on Electron-Doped Cuprates Revealed by ARPES and Core-Level Spectroscopy <i>Atsushi Fujimori, Univ. of Tokyo, Japan</i>



Invited 16:55-17:15	Electron Number-Based Phase Diagram of $\text{Pr}_{1-x}\text{LaCe}_x\text{CuO}_{4-\delta}$ and Possible Absence of Disparity between Electron- and Hole-Doped Cuprate Phase Diagrams <i>Changyoung Kim, Seoul National Univ., Korea</i>
Invited 17:15-17:35	From Mott to Not: Dirty d-wave state of overdoped cuprates <i>Peter Hirschfeld, Univ. of Florida, USA</i>
Contributed 17:35-17:50	Direct Observation of Multi-Band Physics in the Cuprate Superconductor $\text{La}_{2-x}\text{Sr}_x\text{CuO}_4$ <i>Masafumi Horio, Univ. of Zurich, Switzerland</i>
Contributed 17:50-18:05	Continuous doping of a cuprate surface: new insights from in-situ ARPES <i>Yigui Zhong, Inst. of Physics, CAS, China</i>
Contributed 18:05-18:20	Interplay between AF correlations and PG phase in electron-doped cuprates <i>Marta Zonno, Univ. of British Columbia, Canada</i>
Mon. Aug. 20th 16:15-18:15	Session: Mo-S07 IBS 10th Anniversary Room 3 <i>Chair: Xianhui Chen, Univ. of Sci. & Techn. of China, China</i>
Invited 16:15-16:35	Two Dome Structure in High T_c Iron-based Superconductors <i>Hideo Hosono, Tokyo Inst. of Techn., Japan</i>
Invited 16:35-16:55	Superconductivity and nematicity in FeSe <i>Andrey Chubukov, Univ. of Minnesota, USA</i>
Invited 16:55-17:15	Interface-Induced Superconductivity at Ambient Pressure in Undoped and Doped (FeAs)₁₂₂ Single Crystals <i>Paul C. W. Chu, Univ. of Houston, USA</i>
Invited 17:15-17:35	Electronic phase separation, charge transport and spin nematicity in iron selenide superconductors <i>Xiaoli Dong, Inst. of Physics, CAS, China</i>
Invited 17:35-17:55	Interface Enhanced Superconductivity in Monolayer FeSe on MgO(001) <i>Lili Wang, Tsinghua Univ., China</i>
Invited 17:55-18:15	Exploration of layered superconducting materials via structural design <i>Guanghan Cao, Zhejiang Univ., China</i>

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Mon. Aug. 20 th 16:15-18:10	Session: Mo-S08 Devices <i>Chair: Andrew Cleland, Univ. of Chicago, USA</i>	Room 4
Invited 16:15-16:35	Scanning SQUID-on-tip thermal imaging: Glimpse into dissipation in quantum systems down to atomic scale <i>Eli Zeldov, Weizmann Inst. of Science, Israel</i>	
Invited 16:35-16:55	Practical low-T_c SQUID Systems for Geophysics Applications <i>Xiaoming Xie, SIMIT, CAS, China</i>	
Contributed 16:55-17:10	Near-field Intermodulation Distortion Imaging for Superconducting Device Physics <i>Stephen Remillard, Hope College, USA</i>	
Contributed 17:10-17:25	THz Emitters and Their Applications Using High-T_c Superconducting Bi-2212 Mesa Structures for High Resolution and High Sensitivity Molecular Spectroscopy <i>Junlan Zhong, Univ. of Tsukuba, Japan</i>	
Contributed 17:25-17:40	In Situ Tailoring of Superconducting Junctions via Electro-Annealing <i>Alejandro Silhanek, Univ. de Liège, Belgium</i>	
Contributed 17:40-17:55	Current-Induced Crossover of Flux Periodicity from $h/2e$ to h/e in Superconducting Nb Nano-Ring <i>Yosef Yeshurun, Bar-Ilan Univ., Israel</i>	
Contributed 17:55-18:10	Aharonov-Bohm type periodic magnetoconductance oscillations in planar and ballistic superconductor-quantum wells Josephson junctions <i>Kaveh Delfanazari, Univ. of Cambridge, UK</i>	
Mon. Aug. 20 th 16:15-18:05	Session: Mo-S09 SrTiO ₃ & Iridates <i>Chair: Huiqiu Yuan, Zhejiang Univ., China</i>	Room 5
Invited 16:15-16:35	ARPES view of the metal-insulator transitions in Sr₂IrO₄ and Sr₃Ir₂O₇ <i>Veronique Brouet, Univ. Paris Sud - CNRS, France</i>	
Invited 16:35-16:55	Interplay between superconductivity and ferroelectricity in strontium titanate <i>Kamran Behnia, ESPCI, France</i>	



Invited 16:55-17:15	Novel Phase Emergence, Superconductivity and Quantum Criticality in Ferroelectric Materials <i>Siddharth Saxena, Univ. of Cambridge, UK</i>
Invited 17:15-17:35	Superconductivity in strontium titanate under uniaxial strain near a quantum phase transition <i>Ilya Sochnikov, Univ. of Connecticut, USA</i>
Contributed 17:35-17:50	Suppression of weak ferromagnetism in low dimensional OtherSC-SrTiO₃ & Iridates by interfacial engineering of octahedral rotations <i>Yuefeng Nie, Nanjing Univ., China</i>
Contributed 17:50-18:05	Superconducting Transition Temperature of 500 mK for La-doped SrTiO₃ Single Crystals with Oxygen Isotope (¹⁸O) Substitution <i>Yasuhide Tomioka, Advanced Industrial Sci. and Techn., Japan</i>
Mon. Aug. 20th 16:15-17:50	Session: Mo-S10 Mott Physics-1 Room 6 <i>Chair: Takami Tohyama, Tokyo Univ. of Sci., Japan</i>
Invited 16:15-16:35	Evolution of the Magnetic and Phonon Excitations in High T_c Cuprates <i>Yingying Peng, Univ. of Illinois at Urbana-Champaign, USA</i>
Invited 16:35-16:55	Two-dimensional topological and nodeless superconducting phases emerged from d-wave superconductors in proximity to antiferromagnets <i>Guang-Ming Zhang, Tsinghua Univ., China</i>
Invited 16:55-17:15	Anomalous Excitation Spectra and Fractional Excitations in the two-dimensional Mott Insulator <i>Jian-Xin Li, Nanjing Univ., China</i>
Invited 17:15-17:35	Novel many-body quantum effect in doped Mott insulators/high-T_c cuprates <i>Zheng-Yu Weng, Tsinghua Univ., China</i>
Contributed 17:35-17:50	Static Spin Susceptibility in Magnetically Ordered States and Coexistent States of Superconductivity and Antiferromagnetism <i>Kazuhiro Kuboki, Kobe Univ., Japan</i>

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08:30-09:10	Plenary 5: Cooperative Interactions as a Route to High Temperature Superconductivity <i>Zhi-Xun Shen, Stanford Univ., USA</i> <i>Chair: Katsuya Shimizu, Osaka Univ., Japan</i>	Room 1
09:10-09:50	Plenary 6: Scattering from High-Temperature Superconductors: New Insights and Perspectives <i>Bernhard Keimer, MPI for Solid State Research, Germany</i> <i>Chair: Katsuya Shimizu, Osaka Univ., Japan</i>	Room 1
09:50-10:10	Coffee Break 20 minutes	
10:10-12:05	Parallel Oral Sessions : Tu-S11 – Tu-S15	Room 2-6
12:05-14:00	Poster Session 2: Experiments-1 / Lunch	
14:00-16:00	Parallel Oral Sessions : Tu-S16 – Tu-S20	Room 2-6
16:00-16:15	Coffee Break 15 minutes	
16:15-18:05	Parallel Oral Sessions : Tu-S21 – Tu-S25	Room 2-6
18:05-18:30	Coffee Break 25 minutes	
18:30-20:00	Prize Award Ceremony <i>Chair: Fuchun Zhang, Univ. of CAS, China</i> John Bardeen Prize 2018 <i>Laudatio by Eduardo Fradkin</i> Winners : Andrey V. Chubukov, Igor Mazin, Sebastian Doniach Heike Kamerlingh-Onnes Prize 2018 <i>Laudatio by Dirk van der Marel</i> Winners : Yuji Matsuda, Louis Taillefer Bernd T. Matthias Prize 2018 <i>Laudatio by Paul C.W. Chu</i> Winner: Katsuya Shimizu	Room 1

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Tue. Aug. 21st 10:10-11:50	Session: Tu-S11 Cuprates SC State-2 <i>Chair: Stephen Hayden, Univ. of Bristol, UK</i>	Room 2
Invited 10:10-10:30	The Stiffnessometer - a Magnetic-Field-Free Superconducting Stiffness Meter Reveals Two Critical Temperatures in LSCO <i>Amit Keren, Technion-Israel Inst. of Techn., Israel</i>	
Invited 10:30-10:50	Percolative Superconductivity in the Cuprates <i>Martin Greven, Univ. of Minnesota, USA</i>	
Invited 10:50-11:10	Probing pair-correlations and Coulomb energy of the superconducting state in the high T_c cuprates <i>Dirk Van der Marel, Univ. of Geneva, Switzerland</i>	
Invited 11:10-11:30	Locating the missing superconducting electrons in overdoped cuprates <i>Peter Armitage, Johns Hopkins Univ., USA</i>	
Invited 11:30-11:50	Antiferromagnetic Spin Gap Limits the Coherent Superconducting Gap in Cuprates <i>John M. Tranquada, Brookhaven National Lab, USA</i>	
Tue. Aug. 21st 10:10-12:00	Session: Tu-S12 IBS Elect. State-1 <i>Chair: Donglai Feng, Fudan Univ., China</i>	Room 3
Invited 10:10-10:30	Laser ARPES on Orbital Origin of Extremely Anisotropic Superconducting Gap in Nematic Phase of FeSe Superconductor <i>Xingjiang Zhou, Inst. of Physics, CAS, China</i>	
Invited 10:30-10:50	ARPES Study of Nematicity in FeSe <i>Donghui Lu, SLAC National Accelerator Lab, USA</i>	
Invited 10:50-11:10	Systematic ARPES of iron-based superconductors as a test for theories <i>Sergey Borisenko, IFW-Dresden, Germany</i>	
Invited 11:10-11:30	Pairing Mechanism of the FeSe-monolayer and related Systems: Phonon Boost Effect and Dynamical Tuning of Pairing Cutoff Energy <i>Yunkyu Bang, Pohang Univ. of Science and Technology, Korea</i>	

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Contributed 11:30-11:45	Extrinsic Photoelectron Energy Losses as the Origin of Replica Bands in Photoemission of FeSe on SrTiO₃ <i>Fengmiao Li, Stewart Blusson Quantum Matter Inst., Canada</i>
Contributed 11:45-12:00	Antiferromagnetic Order in Epitaxial FeSe Films on SrTiO₃ <i>Dong Qian, Shanghai Jiao Tong Univ., China</i>
Tue. Aug. 21st 10:10-11:45	Session: Tu-S13 Topological State-1 Room 4 <i>Chair: Jinfeng Jia, Shanghai Jiao Tong Univ., China</i>
Invited 10:10-10:30	Interacting topological superconductor in one dimension <i>Yi Zhou, Zhejiang Univ., China</i>
Invited 10:30-10:50	Topological Nature of the Kondo Insulator SmB₆ – Dependency on the Crystallinity <i>Wan Kyu Park, National High Magnetic Field Lab, USA</i>
Invited 10:50-11:10	Topological superconductivity with spin-3/2 half-heusler compounds beyond spin triplet pairing <i>Congjun Wu, Univ. of California, San Diego, USA</i>
Invited 11:10-11:30	Superconductivity in Topological Materials: Insights from Superconducting Density Functional Theory <i>Ryotaro Arita, Univ. of Tokyo, Japan</i>
Contributed 11:30-11:45	Helical Majorana edge mode in a superconducting antiferromagnetic quantum spin Hall insulator <i>Ching-Kai Chiu, Kavli Inst. for Theoretical Sciences, China</i>
Tue. Aug. 21st 10:10-12:05	Session: Tu-S14 Ruthenates Room 5 <i>Chair: Kui Jin, Inst. of Physics, CAS, China</i>
Invited 10:10-10:30	Theory of Sr₂RuO₄: active/passive bands, spin-orbital coupling and effect of uniaxial and biaxial strains <i>Qiang-Hua Wang, Nanjing Univ., China</i>
Invited 10:30-10:50	Uniaxial Pressure Studies of Unconventional Superconductivity <i>Andrew Mackenzie, MPI for Chem. Phys. of Solids, Germany</i>
Invited 10:50-11:10	Josephson Coupling Enabled Mixed Pairing State in the Eutectic Phase of Ru-Sr₂RuO₄ <i>Ying Liu, Pennsylvania State Univ., USA</i>

Tuesday



Invited 11:10-11:30	Physical Properties of uniaxially strained Sr₂RuO₄ examined by ¹⁷O NMR <i>Stuart Brown, UCLA, USA</i>
Invited 11:30-11:50	Spin-Triplet Superconductivity in the Ruthenate <i>Yoshiteru Maeno, Kyoto Univ., Japan</i>
Contributed 11:50-12:05	The symmetry of the superconducting order parameter of Sr₂RuO₄ <i>Siham Benhabib, CNRS, France</i>
Tue. Aug. 21st 10:10-11:30	Session: Tu-S15 SC General-Failed SC Room 6 <i>Chair: Eduardo Fradkin, UIUC, USA</i>
Invited 10:10-10:30	The Density and Disorder Tuned Superconductor-Metal Transition in Two Dimensions <i>Harold Hwang, Stanford Univ., USA</i>
Invited 10:30-10:50	Anomalous Metals - Failed Superconductors <i>Steven Kivelson, Stanford Univ., USA</i>
Invited 10:50-11:10	Gauge Theory of the Superconductor-Insulator Transition <i>Valerii Vinokour, Argonne National Lab, USA</i>
Invited 11:10-11:30	Thermal measurements at the SIT <i>Aviad Frydman, Bar Ilan Univ., Israel</i>
12:05-14:00	Poster Session 2: Experiments-1 / Lunch
Tue. Aug. 21st 14:00-16:00	Session: Tu-S16 Loop Current Room 2 <i>Chair: Martin Greven, Univ. of Minnesota, USA</i>
Invited 14:00-14:20	Electronic structure in the pseudogap state of cuprates <i>Chandra Varma, Univ. of California, USA</i>
Invited 14:20-14:40	Singular Density Fluctuations in the Strange Metal Phase of Bi₂Sr₂CaCu₂O_{8+x} <i>Peter Abbamonte, UIUC, USA</i>
Invited 14:40-15:00	Signature of loop currents in superconducting cuprates and Other SC-SrTiO₃ & Iridates <i>Philippe Bourges, CEA, France</i>

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Invited 15:00-15:20	Discovery of slow magnetic fluctuations and critical slowing down in the pseudogap phase of $\text{YBa}_2\text{Cu}_3\text{O}_y$ <i>Lei Shu, Fudan Univ., China</i>
Invited 15:20-15:40	No Evidence for Orbital Loop Currents in Charge Ordered $\text{YBa}_2\text{Cu}_3\text{O}_{6+x}$ from Polarized Neutron Diffraction <i>Stephen Hayden, Univ. of Bristol, UK</i>
Invited 15:40-16:00	Microscopic Analysis of ARPES Data in Superconductive State: Intrinsic Self-Energy and Pairing Interaction for Cuprates <i>Han-Yong Choi, Sungkyunkwan Univ., Korea</i>
Tue. Aug. 21st 14:00-15:45	Session: Tu-S17 IBS Elect. State-2 Room 3 <i>Chair: Hai-Hu Wen, Nanjing Univ., China</i>
Invited 14:00-14:20	Phase Coherence Dominated Superconducting Transition in $\text{Fe}_{1+x}(\text{Te},\text{Se})$ <i>Shuheng Pan, Inst. of Physics, CAS, China</i>
Invited 14:20-14:40	Spectroscopic-Imaging STM Studies of Nematicity and Superconductivity in $\text{FeSe}_{1-x}\text{S}_x$ <i>Tetsuo Hanaguri, RIKEN, Japan</i>
Invited 14:40-15:00	Tuning superconductivity in NbSe_2 with uniaxial strain <i>Abhay Pasupathy, Columbia Univ., USA</i>
Contributed 15:00-15:15	Ultra-Low Temperature Spectroscopic Imaging Studies of Vortices in the Topological Superconductor $\text{FeTe}_{0.6}\text{Se}_{0.4}$ <i>Tadashi Machida, RIKEN, Japan</i>
Contributed 15:15-15:30	Magnetism and the absence of superconductivity in $\text{EuFe}_{2-x}\text{Ni}_x\text{As}_2$ single crystals <i>Zbigniew Bukowski, Inst. of Low Temperature and Structure Research, Polish Academy of Sciences, Poland</i>
Contributed 15:30-15:45	Multigap Superconductivity in $\text{RbCa}_2\text{Fe}_4\text{As}_4\text{F}_2$ Investigated Using μSR <i>D.T. Adroja, Rutherford Appleton Laboratory, UK</i>
Tue. Aug. 21st 14:00-15:50	Session: Tu-S18 Vortex Matter-1 Room 4 <i>Chair: Johann Blatter, ETH Zurich, Switzerland</i>



Invited 14:00-14:20	Extraordinary pinning efficiency of 1D artificial pinning centers with engineered interface in $\text{YBa}_2\text{Cu}_3\text{O}_{7-x}$ nanocomposite films <i>Judy Wu, Univ. of Kansas, USA</i>
Invited 14:20-14:40	Pinscape Spectroscopy: Solving the Inverse Problem in Vortex Pinning <i>Roland Willa, Argonne National Lab, USA</i>
Invited 14:40-15:00	Vortex excitations in the Insulating State of an Oxide Interface <i>Yoram Dagan, Tel Aviv Univ., Israel</i>
Invited 15:00-15:20	Karman vortex streets generated by supercurrent flowing around pinning centers <i>Victor V. Moshchalkov, KU Leuven, Belgium</i>
Contributed 15:20-15:35	Molecular Dynamics Simulation for Melting Transition of Vortex Lattice and Vortex Pinning in a Superconductor <i>Masaru Kato, Osaka Prefecture Univ., Japan</i>
Contributed 15:35-15:50	Structural and Kinematic Studies of Metastable Vortex Lattice Phases in MgB_2 <i>Morten Eskildsen, Univ. of Notre Dame, USA</i>
Tue. Aug. 21st 14:00-15:50	Session: Tu-S19 New SC Materials-1 Room 5 <i>Chair: Jianlin Luo, Inst. of Physics, CAS, China</i>
Invited 14:00-14:20	Magnetic correlations in iron-germanide superconductors <i>Jun Zhao, Fudan Univ., China</i>
Invited 14:20-14:40	The competition between Charge Density Wave and Superconductivity in Pd_xHoTe_3 <i>Shancai Wang, Renmin Univ. of China, China</i>
Invited 14:40-15:00	Recent progress on high throughput superconductivity research <i>Kui Jin, Inst. of Physics, CAS, China</i>
Invited 15:00-15:20	An enlightened search for New Superconductors <i>Ivan Schuller, USCD, USA</i>
Contributed 15:20-15:35	A New Look at an Old Puzzle: ARPES on $\text{Ba}_{1-x}\text{K}_x\text{BiO}_3$ <i>Nicholas Plumb, PSI, Switzerland</i>

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Contributed 15:35-15:50	Structural and Kinematic Studies of Metastable Vortex Themis Z: Opening the New Era for Superconductors <i>Xuan Shen, Thermo Fisher Scientific, China</i>
Tue. Aug. 21st 14:00-15:45	Session: Tu-S20 SC General-Nematic States Room 6 <i>Chair: Shiliang Li, Inst. of Physics, CAS, China</i>
Invited 14:00-14:20	The So-called Nematic Phase is the Critical Regime of the Orbital/Structural Transition in the Fe-based Superconductors <i>Wei Bao, Renmin Univ. of China, China</i>
Invited 14:20-14:40	Diverse Nematic States and Pairing Mechanisms in Fe-based and Cuprate Superconductors <i>Hiroshi Kontani, Nagoya Univ., Japan</i>
Invited 14:40-15:00	Origin of nematicity in iron-based superconductors <i>Zhiping Yin, Beijing Normal Univ., China</i>
Contributed 15:00-15:15	Orbital fluctuations driven nematic superconductivity: coexistence of orbital polarization and Cooper pairing <i>Liangjian Zou, Inst. of Solid State Physics, CAS, China</i>
Contributed 15:15-15:30	Signatures of fluctuating nematic order in YBCO nanostructures <i>Edoardo Trbaldo, Chalmers Univ. of Technology, Sweden</i>
Contributed 15:30-15:45	Chirality Fluctuation and Electromagnetic Response in Nematic Superconductors <i>Takeshi Mizushima, Osaka Univ., Japan</i>
16:00-16:15	Coffee Break 15 minutes
Tue. Aug. 21st 16:15-18:05	Session: Tu-S21 Cuprates Elect. State-2 Room 2 <i>Chair: Han-Yong Choi, Sungkyunkwan Univ., Korea</i>
Invited 16:15-16:35	Electronic structure and electronic order in lightly doped cuprates studied by STM <i>Yayu Wang, Tsinghua Univ., China</i>
Invited 16:35-16:55	Lattice Distortion Induced Effects on Electronic State in Bi-Sr-Ca-Cu-O Superconductors Determined by Scanning Tunneling Microscopy <i>Yi Yin, Zhejiang Univ., China</i>

Tuesday



Invited 16:55-17:15	Conventional aspects of vortex cores in a copper oxide high-T_c superconductor <i>Christoph Renner, Univ. of Geneva, Switzerland</i>
Invited 17:15-17:35	Non-Fermi Liquid Scattering against Emergent Bose Liquid: Manifestations in the Kink and Other Exotic Quasiparticle Behaviors in the Normal-State Cuprate Superconductors <i>Wei Ku, Shanghai Jiao Tong Univ., China</i>
Contributed 17:35-17:50	Electronic State in the Undoped (Ce-free) Superconductor T'-$\text{La}_{1.8}\text{Eu}_{0.2}\text{CuO}_4$ Studied from Impurity Effects on Muon Spin Relaxation <i>Takayuki Kawamata, Tohoku Univ., Japan</i>
Contributed 17:50-18:05	Reduction and Electron-Doping Effects on the Cu-Spin Correlation in Electron-Doped High-T_c Cuprates $\text{Pr}_{2-x-y}\text{La}_y\text{Ce}_x\text{CuO}_{4+d}$ <i>Tadashi Adachi, Sophia Univ., Japan</i>
Tue. Aug. 21st 16:15-17:55	Session: Tu-S22 IBS-Orbital Room 3 <i>Chair: Sergey Borisenko, IFW-Dresden, Germany</i>
Invited 16:15-16:35	Orbital Selective Charge Quadrupole Density Wave in $\text{FeSe}_{1-x}\text{S}_x$ -- Charge Fluctuations in Iron Pnictides and Selenides <i>Girsh Blumberg, Rutgers Univ., USA</i>
Invited 16:35-16:55	In-situ doping control of iron-based superconductors via alkali-metal adsorption <i>Yan Zhang, Peking Univ., China</i>
Invited 16:55-17:15	Electron Correlations and Multi-orbital Superconductivity in Iron Pnictides and Chalcogenides <i>Qimiao Si, Rice Univ., USA</i>
Invited 17:15-17:35	Orbital Selectivity in the nematic and superconducting phases of Iron-based superconductors <i>Laura Fanfarillo, Int. School for Advanced Studies SISSA, Italy</i>
Invited 17:35-17:55	Spectral Evidence for Emergent Order in $\text{Ba}_{1-x}\text{Na}_x\text{Fe}_2\text{As}_2$ <i>Ming Yi, UC Berkeley, USA</i>
Tue. Aug. 21st 16:15-18:05	Session: Tu-S23 Electrical Applications-1 Room 4 <i>Chair: Yanwei Ma, Inst. of Electrical Engineering, China</i>

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Tuesday

Invited 16:15-16:35	Hydrostatic pressure effect on critical current density and vortex dynamics in REBaCuO coated conductors derived by metallorganic deposition <i>Chuanbing Cai, Shanghai Univ., China</i>
Invited 16:35-16:55	Advances in high critical current nanocomposite YBa₂Cu₃O_{7-x} coated conductors from chemical solutions <i>Xavier Obradors, ICMAB - CSIC, Spain</i>
Invited 16:55-17:15	In-situ hydrostatic pressure induced giant enhancement of superconductivity, flux pinning, and J_c in Fe-based superconductors and YBCO coated conductors <i>Xiaolin Wang, Inst. for Superconducting & Electronic Materials, Australia</i>
Invited 17:15-17:35	New experiments on the origin of the grain boundary problem in HTS cuprates <i>David Larbalestier, National High Magnetic Field Lab, USA</i>
Contributed 17:35-17:50	High Performance Bi₂Sr₂CaCu₂O_x Round Wires <i>Jianyi Jiang, National High Magnetic Field Lab, USA</i>
Contributed 17:50-18:05	Recent Progresses on BSCCO Wires and Applications at InnoST <i>Xiuhua Song, Innova Superconductor Techn. Co., Ltd., China</i>
Tue. Aug. 21st 16:15-17:50	Session: Tu-S24 New SC Materials-2 Room 5 <i>Chair: Liling Sun, Inst. of Physics, CAS, China</i>
Invited 16:15-16:35	Crystal structure and properties of some novel superconductors <i>Xiaolong Chen, Inst. of Physics, CAS, China</i>
Invited 16:35-16:55	Ionic-liquid-gating-assisted protonation: a new route for electron-doping and NMR studies in the iron-based and other superconductors <i>Weiqiang Yu, Renmin Univ. of China, China</i>
Invited 16:55-17:15	Physical and Chemical Properties of Several New Intermetallic Superconductors <i>Robert Cava, Princeton Univ., USA</i>
Invited 17:15-17:35	Superconductivity near structural instabilities <i>Malte Grosche, Univ. of Cambridge, UK</i>



Contributed 17:35-17:50	New type of superconductivity produced by electrostatic field and diffusion current in semiconductor <i>Shinichi Ishiguri, Nihon Univ., Japan</i>		
Tue. Aug. 21 st 16:15-17:30	Session: Tu-S25	SC-Mixed Views	Room 6
	<i>Chair: Steven Kivelson, Stanford Univ., USA</i>		
Invited 16:15-16:35	Emergent Spacetime Supersymmetry at Superconducting Quantum Criticality of a Single Dirac Cone <i>Hong Yao, Tsinghua Univ., China</i>		
Invited 16:35-16:55	Machine Learning Emergence from Quantum Matter Data <i>Eun-Ah Kim, Cornell Univ., USA</i>		
Invited 16:55-17:15	The Superconductor-Insulator transition and the Bose-Metal state <i>S. Doniach, Stanford Univ., USA</i>		
Contributed 17:15-17:30	The Long-Range Singlet Proximity Effect for the Josephson System with Ferromagnet Nanowire <i>Yurii Proshin, Kazan Federal Univ., Russia</i>		
18:05-18:30	Break 25 minutes		
18:30-20:00	Prize Award Ceremony <i>John Bardeen Prize Winner 2018</i> <i>Heike Kamerlingh-Onnes Prize Winner 2018</i> <i>Bernd T. Matthias Prize Winner 2018</i>		Room 1

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08:30-09:10	Plenary 7: Discovery and Exploration of the Cuprate Pair Density Wave State <i>J. C. Seamus Davis, Cornell Univ., USA</i> <i>Chair: Andrey Chubukov, Univ. of Minnesota, USA</i>	Room 1
09:10-09:50	Plenary 8: Quantum Criticality and Unconventional Superconductivity in Heavy Fermions <i>Frank Steglich, MPI for Chem. Phys. of Solids, Germany</i> <i>Chair: Andrey Chubukov, Univ. of Minnesota, USA</i>	Room 1
09:50-10:10	Coffee Break 20 minutes	
10:10-12:00	Parallel Oral Sessions : We-S26 – Tu-S30	Room 2-6
12:05-14:00	Poster Session 3: Experiments-2 / Lunch	
14:00-15:45	Parallel Oral Sessions : We-S31 – We-S35	Room 2-6
15:45-16:15	Coffee Break 30 minutes	
16:15-18:10	Parallel Oral Sessions : We-S36 – We-S40	Room 2-6
18:10-19:00	Break 50 minutes	
19:00-21:00	Banquet	Room 1

Wednesday



Wed. Aug. 22nd 10:10-12:00	Session: We-S26 Cuprates Charge Order-1 Room 2 <i>Chair: Marc-Henri Julien, Grenoble, France</i>
Invited 10:10-10:30	Uniaxial Pressure Control of Competing Orders in a High Temperature Superconductor <i>Matthieu Le Tacon, Karlsruhe Inst. of Techn., Germany</i>
Invited 10:30-10:50	Interplay between charge order and superconductivity in cuprate superconductors <i>Shiping Feng, Beijing Normal Univ., China</i>
Invited 10:50-11:10	Intertwined order in cuprates and black hole hair <i>Johannes Zaanen, Leiden Univ., Netherlands</i>
Invited 11:10-11:30	Theory of Resonant Inelastic X-Ray Scattering in Cuprate Superconductors <i>Takami Tohyama, Tokyo Univ. of Science, Japan</i>
Contributed 11:30-11:45	Charge order and scaling between the superfluid density and the critical temperature T_c in cuprate superconductors <i>Evandro De Mello, Univ. Federal Fluminense, Brazil</i>
Contributed 11:45-12:00	Dimensional Crossover of Charge-Density Wave Correlations in the Cuprates <i>Dror Orgad, The Hebrew Univ., Israel</i>
Wed. Aug. 22nd 10:10-11:55	Session: We-S27 IBS Elect. State-3 Room 3 <i>Chair: Donghui Lu, SLAC National Accelerator Lab, USA</i>
Invited 10:10-10:30	Hund's metal compressibility and its correlation with T_c in Iron-based superconductors <i>Luca De Medici, ESPCI, France</i>
Invited 10:30-10:50	The electronic structure of 112 iron pnictide superconductors probed by ARPES <i>Ming Shi, PSI, Switzerland</i>
Invited 10:50-11:10	Quantum oscillations studies of superconducting $\text{FeSe}_{1-x}\text{S}_x$ tuned by chemical and applied pressure across the nematic phase transition <i>Amalia Coldea, Univ. of Oxford, UK</i>

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Contributed 11:10-11:25	Manifestation of the multiband nature in the BCS-BEC crossover of $\text{FeSe}_{1-x}\text{S}_x$ <i>Takahiro Hashimoto, The Inst. for Solid State Physics, Japan</i>
Contributed 11:25-11:40	Discovery of a strain-stabilized charge density wave in LiFeAs <i>Chi Ming Yim, Univ. of St Andrews, UK</i>
Contributed 11:40-11:55	Fermi Surfaces and Spin Resonances in High-Tc Iron Selenide by Lifshitz Transition <i>Jose Rodriguez, California State Univ. at Los Angeles, USA</i>
Wed. Aug. 22nd 10:10-12:00	Session: We-S28 Electrical Applications-2 Room 4 <i>Chair: David Larbalestier, Nat. High Magnetic Field Lab, USA</i>
Invited 10:10-10:30	Latest Progress in THEVA's HTS Wire Fabrication and Applications <i>Werner Prusseit, THEVA GmbH, Germany</i>
Invited 10:30-10:50	Recent progress in the development of Fe-based superconducting wires and tapes <i>Yanwei Ma, Inst. of Electrical Engineering, China</i>
Invited 10:50-11:10	Annealing Effect and Superconductivity in $\text{FeSe}_x\text{Te}_{1-x}$ Superconductors <i>Zhixiang Shi, Southeast Univ., China</i>
Invited 11:10-11:30	Fundamentally Different Behaviors between Superconductor and Conventional Conductor in a Lenz's Law Experiment <i>Ying Xin, Tianjin Univ., China</i>
Contributed 11:30-11:45	In-Plane Anisotropy of the Critical Current in Ba-122 Single Crystals <i>Eisterer Michael, TU Wien, Austria</i>
Contributed 11:45-12:00	Anomalous Enhancement of Critical Current Density due to Novel Planar Defects in $\text{CaKFe}_4\text{As}_4$ <i>Tsuyoshi Tamegai, The Univ. of Tokyo, Japan</i>
Wed. Aug. 22nd 10:10-11:55	Session: We-S29 Heavy Fermion-1 Room 5 <i>Chair: Filip Ronning, Los Alamos National Lab, USA</i>
Invited 10:10-10:30	Revisit of heavy fermion quantum critical superconductivity <i>Yi-feng Yang, Inst. of Physics, CAS, China</i>

Wednesday



Invited 10:30-10:50	Superconductivity in YbRh₂Si₂: electrical transport and noise experiments <i>John Saunders, Royal Holloway Univ. of London, UK</i>
Invited 10:50-11:10	Interplay between Superconductivity and Magnetism in Heavy Fermion Compounds Ce₃PdIn₁₁ and Ce₃PtIn₁₁ <i>Dariusz Kaczorowski, Inst. of Low Temperature and Structure Research, Poland</i>
Contributed 11:10-11:25	Attractive superconducting potential due to valence fluctuations in Heavy fermion superconductors <i>Tanmoy Das, Indian Inst. of Science, India</i>
Contributed 11:25-11:40	Kohn-Luttinger superconductivity and the Lifshitz transitions in ferromagnetic superconductors: the paradigm of URhGe <i>Joseph Betouras, Loughborough Univ., UK</i>
Contributed 11:40-11:55	Ferromagnetic fluctuations and Superconductivity of UCoGe under Pressure <i>Kenji Ishida, Kyoto Univ., Japan</i>
Wed. Aug. 22nd 10:10-11:45	Session: We-S30 SC General-Excited State Room 6 <i>Chair: Yasutomo Uemura, Columbia Univ., USA</i>
Invited 10:10-10:30	Optical Melting of the Transverse Josephson Plasmon in Bilayer and Trilayer Cuprates <i>Wanzheng Hu, Boston Univ., USA</i>
Invited 10:30-10:50	Photo-induced new collective modes and metastable states in cuprate superconductors <i>Nan-Lin Wang, Peking Univ., China</i>
Invited 10:50-11:10	Theory of Higgs Spectroscopy of Superconductors in non-equilibrium <i>Dirk Manske, MPI for Solid State Research, Germany</i>
Invited 11:10-11:30	TBA <i>Thomas Peter Devereaux, Stanford Univ., USA</i>

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Contributed 11:30-11:45	Tunneling Probe of Fluctuating Superconductivity in Disordered Thin Film <i>Emanuele Dalla Torre, Bar-Ilan Univ., Israel</i>
12:05-14:00	Poster Session 3: Experiments-2 / Lunch
Wed. Aug. 22nd 14:00-15:35	Session: We-S31 Cuprates Normal State-1 Room 2 <i>Chair: Richard Greene, Univ. of Maryland, USA</i>
Invited 14:00-14:20	Universal T-linear Resistivity and Planckian Limit in Overdoped Cuprates <i>Cyril Proust, LNCMI-Toulouse, France</i>
Invited 14:20-14:40	Phase Diagram of Underdoped Cuprates in a Magnetic Field: A Unified Perspective <i>Dragana Popovic, Florida State Univ., USA</i>
Invited 14:40-15:00	The Essence of the High-T_c Cuprates <i>Neven Barisic, TU Wien, Austria</i>
Invited 15:00-15:20	Using high magnetic fields to reveal critical behavior near optimum doping in high-temperature superconductivity <i>Gregory Boebinger, Nat. High Magnetic Field Lab, USA</i>
Contributed 15:20-15:35	Thermodynamic signatures of quantum criticality in cuprates <i>Bastien Michon, Univ. of Geneva, Switzerland</i>
Wed. Aug. 22nd 14:00-15:45	Session: We-S32 IBS Materials-1 Room 3 <i>Chair: Tetsuo Hanaguri, RIKEN, Japan</i>
Invited 14:00-14:20	Pressure Induced Reemergence of High-T_c Superconductivity in Heavily Electron Doped FeSe Materials <i>Jinguang Cheng, Inst. of Physics, CAS, China</i>
Invited 14:20-14:40	Discrete superconducting phases in FeSe-derived superconductors <i>Shiyan Li, Fudan Univ., China</i>
Invited 14:40-15:00	Recent Progress in 1144- and 122-type Fe-based Superconductors <i>Akira Iyo, AIST, Japan</i>

Wednesday



Contributed 15:00-15:15	Enhanced anisotropy and transport properties of heavily electron doped $\text{Li}_x(\text{NH}_3)_y\text{Fe}_2(\text{Se}, \text{Te})_2$ single crystals <i>Hechang Lei, Renmin Univ. of China, China</i>
Contributed 15:15-15:30	Electrochemical control of hysteretic current-voltage characteristics in $\text{Fe}(\text{Te}, \text{Se})$ superconductors <i>Yue Sun, Aoyama Gakuin Univ., Japan</i>
Contributed 15:30-15:45	Superconductivity in Akali-Metal- and Organic-Molecule-Intercalated FeSe: Comparison with Single-Layer FeSe Films <i>Yoji Koike, Tohoku Univ., Japan</i>
Wed. Aug. 22nd 14:00-15:45	Session: We-S33 Vortex Matter-2 Room 4 <i>Chair: Yoram Dagan, Tel Aviv Univ., Israel</i>
Invited 14:00-14:20	Scanning probe microscopy of vortices in tilted magnetic fields <i>Hermann Suderow, Univ. Autonoma de Madrid, Spain</i>
Invited 14:20-14:40	Strong Pinning Theory <i>Johann Blatter, ETH Zurich, Switzerland</i>
Invited 14:40-15:00	AC dynamic reorganization and critical phase transition in vortex matter <i>Gabriela Pasquini, Univ. de Buenos Aires, Argentina</i>
Contributed 15:00-15:15	Bose-glass vortex phase in heavy ion irradiated BaK122 iron based superconductors <i>Marcin Konczykowski, CNRS&CEA, France</i>
Contributed 15:15-15:30	Nucleation of Fractional Vortices in a Superconducting Bilayer <i>Taichiro Nishio, Tokyo Univ. of Science, Japan</i>
Contributed 15:30-15:45	Flux Creep in Strong Pinning Theory <i>Vadim Geshkenbein, ETH, Switzerland</i>
Wed. Aug. 22nd 14:00-15:30	Session: We-S34 Heavy Fermion-2 Room 5 <i>Chair: Yi-feng Yang, Inst. of Physics, CAS, China</i>
Invited 14:00-14:20	Strain effects on superconductivity in CeMIn_5 ($\text{M} = \text{Co}, \text{Rh}, \text{Ir}$) investigated by thermal expansion <i>Hilbert Von Loehneysen, KIT, Germany</i>

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Invited 14:20-14:40	CeRhIn₅ in an Applied Magnetic Field <i>Filip Ronning, Los Alamos National Lab, USA</i>
Invited 14:40-15:00	Unidirectional Superconductivity in the Three-dimensional Metal CeIrIn₅ <i>Philip Moll, EPFL, Switzerland</i>
Contributed 15:00-15:15	Impurity effects on SDW order in FFLO phase of CeCoIn₅ <i>Ryusuke Ikeda, Kyoto Univ., Japan</i>
Contributed 15:15-15:30	Pressure Dependent Critical Current in Quantum Critical Superconductors <i>Soon-Gil Jung, Sungkyunkwan Univ., Korea</i>
Wed. Aug. 22nd 14:00-15:35	Session: We-S35 Phase Diagram&Transition Room 6 <i>Chair: Qimiao Si, Rice Univ., USA</i>
Invited 14:00-14:20	Non-Fermi-liquid behaviors and quantum critical points in iron-based superconductors <i>Shiliang Li, Inst. of Physics, CAS, China</i>
Invited 14:20-14:40	Phase diagram of unconventional superconductors: common threads revealed by multiple tuning <i>Christos Panagopoulos, Nanyang Techn. Univ., Singapore</i>
Invited 14:40-15:00	A Local Quantum Phase Transition in YFe₂Al₁₀ <i>Meigan Aronson, Texas A&M Univ., USA</i>
Invited 15:00-15:20	Magnetic interactions and possible quantum paraelectricity in spin liquid candidate H₃LiIr₂O₆ <i>Fa Wang, Peking Univ., China</i>
Contributed 15:20-15:35	Magnetic (AF SDW) transition in the normal state of iron- and copper-based HTSC <i>Lev Mazov, Inst. for Physics of Microstructures RAS, Russia</i>
15:45-16:15	Coffee Break 30 minutes
Wed. Aug. 22nd 16:15-17:50	Session: We-S36 Cuprates Normal State-2 Room 2 <i>Chair: Gregory Boebinger, Nat. High Magnetic Field Lab, USA</i>
Invited 16:15-16:35	Umklapp scattering as the origin of T-linear resistivity in the normal state of high-T_c cuprate superconductors <i>Alexei Tsvelik, Brookhaven National Lab, USA</i>

Wednesday



Invited 16:35-16:55	Two fluid model for diamagnetic susceptibility and Nernst effect in high T_c superconductors <i>Qijin Chen, Zhejiang Univ., China</i>
Invited 16:55-17:15	Superconductivity and Competing Phases in High T_c Cuprates <i>Antony Carrington, Univ. of Bristol, UK</i>
Invited 17:15-17:35	Anomalous Transport Properties of Electron-Doped $\text{La}_{2-x}\text{Ce}_x\text{CuO}_4$ <i>Richard Greene, Univ. of Maryland, USA</i>
Contributed 17:35-17:50	The c-axis resistance mystery in high temperature superconductor: insights from scanning noise spectroscopy <i>Milan Allan, Leiden Univ., Netherlands</i>
Wed. Aug. 22nd 16:15-17:45	Session: We-S37 IBS Dynamics-1 Room 3 <i>Chair: Setsuko Tajima, Osaka Univ., Japan</i>
Invited 16:15-16:35	Infrared Study of Antiferromagnetic Correlations and Electron-Phonon Coupling in Hole-Doped Iron Arsenide Superconductors <i>Christian Bernhard, Univ. of Fribourg, Switzerland</i>
Invited 16:35-16:55	Orbital selective physics in iron-based superconductor KFe_2As_2 <i>Xianggang Qiu, Inst. of Physics, CAS, China</i>
Invited 16:55-17:15	Fingerprints of Cooper Pairing in Iron-Based Superconductors <i>Rudolf Hackl, Bayerische Akademie der Wissenschaften, Germany</i>
Contributed 17:15-17:30	Optical properties of the electronic nematic phase in FeSe <i>Leonardo Degiorgi, ETH Zurich, Switzerland</i>
Contributed 17:30-17:45	Ultrafast quasiparticle dynamics and electron-phonon coupling in $(\text{Li}_{0.84}\text{Fe}_{0.16})\text{OHFe}_{0.98}\text{Se}$ <i>Jimin Zhao, Inst. of Physics, CAS, China</i>
Wed. Aug. 22nd 16:15-18:10	Session: We-S38 Topological State-Nematic Room 4 <i>Chair: Ulrich Welp, Argonne National Lab, USA</i>

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Invited 16:15-16:35	Topological spin-triplet superconducting states revealed by NMR <i>Guo-qing Zheng, Okayama Univ., Japan</i>
Invited 16:35-16:55	Evidence of Nematic Superconductivity in Doped Bi₂Se₃ and Bi₂Te₃/FeTeSe Heterostructures <i>Hai-Hu Wen, Nanjing Univ., China</i>
Invited 16:55-17:15	Nematic superconductivity in Cu_xBi₂Se₃ studied by scanning tunneling spectroscopy <i>Donglai Feng, Fudan Univ., China</i>
Invited 17:15-17:35	Nematic Superconducting Gap in the Topological Superconductor Cu_xBi₂Se₃ <i>Shingo Yonezawa, Kyoto Univ., Japan</i>
Invited 17:35-17:55	Nematic superconductivity in doped topological insulators <i>Joerg Schmalian, KIT, Germany</i>
Contributed 17:55-18:10	Nematic superconductivity in topological materials <i>Antheunis De Visser, Univ. of Amsterdam, Netherlands</i>
Wed. Aug. 22nd 16:15-17:50	Session: We-S39 SC-Light Element Room 5 <i>Chair: Zhi-An Ren, Inst. of Physics, CAS, China</i>
Invited 16:15-16:35	Electron-Phonon Coupling in Compressed H-rich Solids <i>Warren Pickett, Univ. of California Davis, USA</i>
Invited 16:35-16:55	Raising superconducting transition temperature by lifting the σ-bonding bands to the Fermi level <i>Zhong-Yi Lu, Renmin Univ. of China, China</i>
Invited 16:55-17:15	Superconductivity and Magnetism in all-Carbon π-electron Systems <i>Kosmas Prassides, Tohoku Univ., Japan</i>
Invited 17:15-17:35	Formation of High-T_c Phase of Sulfur Hydride by Low-Temperature Compression <i>Katsuya Shimizu, Osaka Univ., Japan</i>
Contributed 17:35-17:50	Potential high-T_c superconducting ternary hydrides at high pressure <i>Guoying Gao, Yanshan Univ., China</i>

Wednesday



Wed. Aug. 22nd 16:15-17:50	Session: We-S40 SC-Common Features Room 6 <i>Chair: Johannes Zaanen, Leiden Univ., Netherlands</i>
Invited 16:15-16:35	Single-orbital realization of high temperature s_{\pm} superconductivity in the square-octagon lattice <i>Daoxin Yao, Sun Yat-Sen Univ., China</i>
Invited 16:35-16:55	Molecular orbital approach to electron phonon and pairing interactions in skipped valence and negative charge transfer gap Oxides <i>George Albert Sawatzky, Univ. of British Columbia, Canada</i>
Invited 16:55-17:15	Thermodynamics of cuprate, hydride and all superconductors <i>Jeffery Tallon, Victoria Univ. of Wellington, New Zealand</i>
Invited 17:15-17:35	Ground-state order in the underdoped region of the 2D Hubbard model <i>Garnet Kin-Lic Chan, Princeton Univ., USA</i>
Contributed 17:35-17:50	Wigner Electronic Crystallization as an Example of Local Field Influence on Superconducting Transition <i>Oleg Dolgov, Donostia Int. Physics Center, Spain</i>
18:10-19:00	Break 50 minutes
19:00-21:00	Banquet Room 1

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08:30-09:10	Plenary 9: Magic Angle Graphene: a New Platform for Strongly Correlated Physics <i>Pablo Jarillo-Herrero, MIT, USA</i> <i>Chair: Dirk van der Marel, Univ. of Geneva, Switzerland</i>	Room 1
09:10-09:50	Plenary 10: The Pseudogap Critical Point of Cuprate Superconductors <i>Louis Taillefer, Univ. of Sherbrooke, Canada</i> <i>Chair: Dirk van der Marel, Univ. of Geneva, Switzerland</i>	Room 1
09:50-10:10	Coffee Break 20 minutes	
10:10-12:05	Parallel Oral Sessions : Th-S41 – Th-S45	Room 2-6
12:05-14:00	Poster Session 4: Theories / Lunch	
14:00-15:55	Parallel Oral Sessions : Th-S46 – Th-S50	Room 2-6
15:55-16:15	Coffee Break 20 minutes	
16:15-18:30	Parallel Oral Sessions : Th-S51 – Th-S55	Room 2-6

Thursday



Thu. Aug. 23 rd 10:10-11:50	Session: Th-S41 Cuprates Pseudogap <i>Chair: Ting-Kuo Lee, Academia Sinica , Taiwan, China</i>	Room 2
Invited 10:10-10:30	Pairing origin of the pseudogap as observed in ARPES measurement in the underdoped cuprates <i>Tao Li, Renmin Univ. of China, China</i>	
Invited 10:30-10:50	Interplay Between Superconductivity and Pseudogap in Cuprates <i>Bastien Loret, Univ. Paris Diderot, France</i>	
Contributed 10:50-11:05	BCS-like Pseudogap and Novel Isotope Effects in High-T_c Cuprate Superconductors <i>Safarali Djumanov, Inst. of Nuclear Physics , Uzbekistan</i>	
Contributed 11:05-11:20	In-plane Anisotropy of the Pseudogap Temperature in Underdoped Ultrathin YBa₂Cu₃O_{7-δ} Thin Films <i>Eric Andersson, Chalmers Univ. of Tech., Sweden</i>	
Contributed 11:20-11:35	Exotic Z₂ Symmetry Breaking Transitions : Theory of Pseudo-gap transitions <i>Eun-Gook Moon, KAIST, Korea</i>	
Contributed 11:35-11:50	Mode-coupling Model of Cuprate Pseudogap: Insights from New First-principles Results <i>Robert Markiewicz, Northeastern Univ., USA</i>	
Thu. Aug. 23 rd 10:10-12:00	Session: Th-S42 IBS Nematicity-1 <i>Chair: Rafael Fernandes, Univ. of Minnesota , USA</i>	Room 3
Invited 10:10-10:30	Response of the nematicity and superconductivity of FeSe to in-plane anisotropic strain <i>Clifford Hicks, MPI-CPfS, Germany</i>	
Invited 10:30-10:50	Local orthorhombic lattice distortions in the paramagnetic tetragonal phase of superconducting NaFe_{1-x}Ni_xAs <i>Pengcheng Dai, Rice Univ., USA</i>	
Invited 10:50-11:10	Site-selective NMR evidence for spin nematic state in FeSe superconductor <i>Tao Wu, Univ. of Sci. and Tech. of China, China</i>	
Invited 11:10-11:30	Nematic fluctuations and superconductivity in iron-based superconductors <i>Takasada Shibauchi, Univ. of Tokyo, Japan</i>	

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Contributed 11:30-11:45	Evidence of nematic electronic state and nodal superconducting gap along [110] direction in RbFe₂As₂ <i>Tong Zhang, Fudan Univ., China</i>
Contributed 11:45-12:00	Singular magnetic anisotropy in the nematic phase of FeSe <i>Rui Zhou, Inst. of Physics, CAS, China</i>
Thu. Aug. 23rd 10:10-12:05	Session: Th-S43 Topological State-Majorana Room 4 <i>Chair: Li Lu, Inst. of Physics, CAS, China</i>
Invited 10:10-10:30	Topological superconductor and Majorana fermions in the vortex <i>Jinfeng Jia, Shanghai Jiao Tong Univ., China</i>
Invited 10:30-10:50	Spectroscopic evidence of two distinct chiral topological superconducting phases in a heterostructure of a superconductor and a quantum anomalous Hall insulator <i>Rolf Walter Lortz, Hong Kong Univ. of Sci. & Tech., China</i>
Invited 10:50-11:10	Topological Larkin-Ovchinnikov phase and Majorana zero mode chain in bilayer superconducting topological insulator films <i>Fuchun Zhang, Univ. of CAS, China</i>
Invited 11:10-11:30	Quantization of Chiral Majorana Fermions: Quantum Transport and Interference <i>Qinglin He, Peking Univ., China</i>
Invited 11:30-11:50	Spotting the Elusive Majorana in Atomic Chains Under the Microscope <i>Ali Yazdani, Princeton Univ., USA</i>
Contributed 11:50-12:05	Majorana Multiplexing <i>Yang Peng, California Inst. of Tech., USA</i>
Thu. Aug. 23rd 10:10-12:00	Session: Th-S44 SC-Twisted Graphene Room 5 <i>Chair: Pablo Jarillo-Herrero, MIT, USA</i>
Invited 10:10-10:30	The nature of correlations in the insulating states of twisted bilayer graphene <i>Leni Bascones, ICMN-CSIC, Spain</i>
Invited 10:30-10:50	Wigner Crystallization in Lieu of Mottness in Twisted bi-layer Graphene <i>Philip Phillips, UIUC, USA</i>

Thursday



Invited 10:50-11:10	Superconducting graphene <i>Takashi Takahashi, Tohoku Univ., Japan</i>
Invited 11:10-11:30	Hubbard Model, Unconventional Superconductivity and Density Waves in Twisted Bilayer Graphene <i>Fanqi Yuan, MIT, USA</i>
Contributed 11:30-11:45	Chiral SDW and d + id Superconductivity in the Magic-angle Twisted Bilayer-graphene <i>Fan Yang, Beijing Inst. of Tech., China</i>
Contributed 11:45-12:00	Effects of Electron-Electron Interactions in Twisted Bilayer Graphene at Magic Angle: Spin-Density-Waves and Conductivity <i>Artem Sboychakov, ITAE, Russia</i>
Thu. Aug. 23rd 10:10-11:45	Session: Th-S45 SC-New Insights Room 6 <i>Chair: Shin-ichi Uchida, Univ. of Tokyo, Japan</i>
Invited 10:10-10:30	Dynamics of the Meissner Effect: How Superconductors Expel Magnetic Fields <i>Jorge E. Hirsch, Univ. of California, San Diego, USA</i>
Invited 10:30-10:50	Recent development in spin superconductor <i>Xin-Cheng Xie, Peking Univ., China</i>
Invited 10:50-11:10	Bulk Topological Superconductors, Gap Structure, and Effect of Electron Scattering <i>Ulrich Welp, Argonne National Lab, USA</i>
Invited 11:10-11:30	Quasiparticle interference and strong electron-boson coupling in Sr₂RuO₄ <i>Vidya Madhavan, UIUC, USA</i>
Contributed 11:30-11:45	Reformulating Supercurrent Generation in Superconductors <i>Hiroyasu Koizumi, Univ. of Tsukuba, Japan</i>
12:05-14:00	Poster Session 4: Theories / Lunch
Thu. Aug. 23rd 14:00-15:50	Session: Th-S46 Cuprates PDW Room 2 <i>Chair: Tao Li, Renmin Univ. of China, China</i>
Invited 14:00-14:20	Pair density wave as the mother state of the pseudo-gap in Cuprates. <i>Patrick A. Lee, MIT, USA</i>

Thursday

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Invited 14:20-14:40	Evolution of pair density waves from superconducting to pseudogap phases in copper oxide superconductors <i>Ting-Kuo Lee, Academia Sinica, Taiwan, China</i>
Invited 14:40-15:00	Pair Density Waves and Intertwined Orders in High T_c Superconductors <i>Eduardo Fradkin, UIUC, USA</i>
Invited 15:00-15:20	Atomic-Scale Andreev Reflection <i>John Wei, Univ. of Toronto, Canada</i>
Contributed 15:20-15:35	Magnetic-field Induced Pair Density Wave State in the Cuprate Vortex Halo <i>Stephen Edkins, Stanford Univ., USA</i>
Contributed 15:35-15:50	Numerical evidence of fluctuating stripes in high-T_c cuprate superconductors <i>Edwin Huang, Stanford Univ., USA</i>
Thu. Aug. 23rd 14:00-15:50	Session: Th-S47 IBS Dynamics-2 Room 3 <i>Chair: Pengcheng Dai, Rice Univ., USA</i>
Invited 14:00-14:20	Spin-orbit coupling and preferred magnetic excitations in iron-based superconductors <i>Yuan Li, Peking Univ., China</i>
Invited 14:20-14:40	Spin-space Anisotropy in FeAs Based Superconductors <i>Markus Braden, Univ. of Cologne, Germany</i>
Invited 14:40-15:00	Momentum and Doping Dependence of the Band Renormalization and Scattering Rates in Iron-based Superconductors Determined by ARPES <i>Joerg Fink, IFW, Germany</i>
Invited 15:00-15:20	Theory of Normal State and Superconductivity in Iron Pnictides and Chalcogenides. <i>Gabriel Kotliar, BNL and Rutgers Univ., USA</i>
Contributed 15:20-15:35	Magnetic-field Induced Pair Density Wave State in the Intrinsic Charge Dynamics in High-T_c AFeAs(O,F) Superconductors <i>Aliaksei Charnukha, IFW Dresden, Germany</i>
Contributed 15:35-15:50	Odd and even modes of neutron spin resonance in CaFe₄As₄ <i>Huiqian Luo, Inst. of Physics, CAS, China</i>

Thursday



Thu. Aug. 23rd 14:00-15:45	Session: Th-S48 2D SC Interface <i>Chair: Dragan Mihailovic, Jozef Stefan Inst., Slovenia</i>	Room 4
Invited 14:00-14:20	Scanning Tunneling Spectroscopy of Interface Superconductivity <i>Can-Li Song, Tsinghua Univ., China</i>	
Invited 14:20-14:40	Scanning tunneling microscopic observation of the enhancement of T_c and critical field in epitaxial islands grown on SrTiO₃ substrate <i>Minghu Pan, Huazhong Univ. of Sci. and Tech., China</i>	
Invited 14:40-15:00	Superconductivity at the LaAlO₃/SrTiO₃ interface and related systems <i>Jean-Marc Triscone, Univ. of Geneva, Switzerland</i>	
Contributed 15:00-15:15	Possible Unconventional Superconducting Pairing Mechanism of Two-Dimensional Electron Gas at LaAlO₃/SrTiO₃ Interface <i>Jiacai Nie, Beijing Normal Univ., China</i>	
Contributed 15:15-15:30	One-Dimensional Nature of Superconductivity at the LaAlO₃/SrTiO₃ Interface <i>Yun-Yi Pai, Levy Lab, Univ. of Pittsburgh, USA</i>	
Contributed 15:30-15:45	Manipulating electronic structure of novel correlated materials by tailoring superlattices <i>Dawei Shen, SMIT, CAS, China</i>	
Thu. Aug. 23rd 14:00-15:30	Session: Th-S49 New SC Material-3 <i>Chair: Robert Cava, Princeton Univ., USA</i>	Room 5
Invited 14:00-14:20	Robust Zero Resistance in Superconducting High Entropy Alloys against Pressure up to 190 GPa <i>Liling Sun, Inst. of Physics, CAS, China</i>	
Invited 14:20-14:40	The Multi-gap Superconductivity, Pressure and Substitution Effect in TiNi₂(Se,S)₂ <i>Minghu Fang, Zhejiang Univ., China</i>	
Invited 14:40-15:00	Unconventional Superconductivity and Electronic Correlations in Pr-based “Cage Compounds” <i>Carmen Almasan, Kent State Univ., USA</i>	

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Contributed 15:00-15:15	Superconductivity in Novel Hexagonal BaPtAs with an Ordered Honeycomb Network <i>Kazutaka Kudo, Okayama Univ., Japan</i>
Contributed 15:15-15:30	Stabilization of Sr₃Al₂O₆ templates for ex-situ synthesis of superconducting freestanding SrTiO₃ membranes <i>Danfeng Li, Stanford Univ., USA</i>
Thu. Aug. 23rd 14:00-15:55	Session: Th-S50 Mott Physics-2 Room 6 <i>Chair: Guang-Ming Zhang, Tsinghua Univ., China</i>
Invited 14:00-14:20	Engineering the Mott State of Cuprates for High-Temperature Superconductivity <i>Johan Chang, Univ. of Zurich, Switzerland</i>
Invited 14:20-14:40	Toward a first-principles description of stronger correlations: Stripe and magnetic phases in cupates to topological materials <i>Arun Bansil, Northeastern Univ., USA</i>
Invited 14:40-15:00	Spontaneous symmetry breaking of d-wave superconductivity in t-J model: unbiased finite sizes tensor network studies <i>Yan Chen, Fudan Univ., China</i>
Invited 15:00-15:20	Finite-temperature charge dynamics and the melting of the Mott insulator <i>Tao Xiang, Inst. of Physics, CAS, China</i>
Invited 15:20-15:40	Superconductivity in Doped Mott Insulators From a Dynamical Mean-Field Perspective <i>André-Marie Tremblay, Univ. de Sherbrooke, Canada</i>
Contributed 15:40-15:55	Do all underdoped Mott insulators have a pseudogap in two dimensions? <i>Wei Wu, Ecole Polytechnique, France</i>
15:55-16:15	Coffee Break 20 minutes
Thu. Aug. 23rd 16:15-18:25	Session: Th-S51 Cuprates Charge Order-2 <i>Chair: Arun Bansil, Northeastern Univ., USA</i>
Invited 16:15-16:35	Commensurate to Incommensurate Transition of the Cuprate CDW <i>Jennifer Hoffman, Harvard Univ., USA</i>

Thursday



Invited 16:35-16:55	Spin susceptibility of charge-ordered YBa₂Cu₃O_y <i>Marc-Henri Julien, Grenoble, France</i>
Invited 16:55-17:15	Charge Density Wave Order and Nematicity in Cuprate Superconductors probed via resonant x-ray scattering. <i>David Hawthorn, Univ. of Waterloo, Canada</i>
Invited 17:15-17:35	Study of Charge Dynamics and CDW in high-T_c cuprates via Resonant Inelastic X-ray Scattering <i>Wei-Sheng Lee, Stanford Univ., USA</i>
Invited 17:35-17:55	Spin excitations and charge order in superconducting cuprates studied by resonant inelastic x-ray scattering <i>Giacomo Ghiringhelli, Politecnico di Milano, Italy</i>
Contributed 17:55-18:10	Charge-Density-Wave Order and Pseudogap in Single Layered Bi₂Sr_{2-x}La_xCuO_{6+δ} Superconductor <i>Shinji Kawasaki, Okayama Univ., Japan</i>
Contributed 18:10-18:25	Universal Phonon Broadening near the Charge Order Q-vector in Bilayer Cuprate Bi₂Sr₂CaCu₂O_{8+y} <i>Alex Frano, Univ. of California, San Diego, USA</i>
Thu. Aug. 23rd 16:15-17:55	Session: Th-S52 IBS Material-2 <i>Chair: Markus Braden, Univ. of Cologne, Germany</i>
Invited 16:15-16:35	Intertwined and vestigial electronic phases in hole doped Sr_{1-x}Na_xFe₂As₂ <i>Christoph Meingast, Karlsruhe Inst. of Tech., Germany</i>
Invited 16:35-16:55	Intertwined Orders and Magnetic Degeneracy in Iron-Based Superconductors <i>Rafael Fernandes, Univ. of Minnesota, USA</i>
Contributed 16:55-17:10	Changing nature of superconductivity in FeS under pressure <i>Harald Jeschke, Okayama Univ., Japan</i>
Contributed 17:10-17:25	Microwave Surface Impedance and Complex Conductivity of Ba(Fe_{0.926}Co_{0.074})₂As₂ Single Crystals <i>Mykola Cherpak, O. Usikov Inst. for Radiophysics and Electronics, Ukraine</i>
Contributed 17:25-17:40	Frustrated Superconductivity close to the Lifshitz Transition in Ba_{1-x}K_xFe₂As₂ <i>Vadim Grinenko, TU Dresden, Germany</i>

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Contributed 17:40-17:55	Phase diagram of single-crystalline $\text{Eu}(\text{Fe}_{1-x}\text{Co}_x)_2\text{As}_2$ ($0 \leq x \leq 0.24$) grown by transition metal arsenide flux <i>Gang Wang, Inst. of Physics, CAS, China</i>
Thu. Aug. 23rd 16:15-18:25	Session: Th-S53 Topological State-2 <i>Chair: Guo-qing Zheng, Okayama Univ., Japan</i>
Invited 16:15-16:35	Anomalous Magnetic Moments as Evidence of Chiral Superconductivity in Bi/Ni Bilayer <i>Li Lu, Inst. of Physics, CAS, China</i>
Invited 16:35-16:55	Doping-Induced Enhancement of the Superconducting T_c in the Crystalline Topological Insulator Tin Telluride <i>Markus Kriener, Center for Emergent Matter Sci., Japan</i>
Invited 16:55-17:15	Exploring superconductivity in layered topological materials <i>Zhu-An Xu, Zhejiang Univ., China</i>
Invited 17:15-17:35	Rotational Symmetry Breaking in a Trigonal Superconductor Nb-doped Bi_3Se_3 <i>Lu Li, Univ. of Michigan, USA</i>
Invited 17:35-17:55	The fourth superconducting gap: intrinsic Bogoliubov Fermi surfaces <i>Philip Brydon, Univ. of Otago, New Zealand</i>
Contributed 17:55-18:10	Z_4 Topological Crystalline Superconductivity in UCoGe under pressure <i>Akito Daido, Kyoto Univ., Japan</i>
Contributed 18:10-18:25	Edge currents as a probe of the strongly spin-polarized topological noncentrosymmetric superconductors <i>Alireza Akbari, APCTP, Korea</i>
Thu. Aug. 23rd 16:15-17:45	Session: Th-S54 IBS Material-2 <i>Chair: Guanghan Cao, Zhejiang Univ., China</i>
Invited 16:15-16:35	Unconventional superconductivity in Cr-based materials <i>Jianlin Luo, Inst. of Physics, CAS, China</i>
Invited 16:35-16:55	Discovery of several new superconductors in Cr/Mo related compounds with quasi-one-dimensional crystal structure <i>Zhi-An Ren, Inst. of Physics, CAS, China</i>

Thursday



Invited 16:55-17:15	Possible high-T_c superconductivity in Ruddlesden-Popper compounds: incipient-narrow bands originating from “hidden-ladders” <i>Kazuhiko Kuroki, Osaka Univ., Japan</i>
Contributed 17:15-17:30	Temperature and angular dependence of the upper critical field in K₂Cr₃As₃ <i>Zengwei Zhu, Huazhong Univ. of Sci. and Tech., China</i>
Contributed 17:30-17:45	Ferromagnetic p-wave Superconductors: Progress and Open Questions <i>Jean-Pascal Brison, Univ. Grenoble-Alpes, CEA, France</i>
Thu. Aug. 23rd 16:15-18:00	Session: Th-S55 BCS-BEC Crossover <i>Chair: Qijin Chen, Zhejiang Univ., China</i>
Invited 16:15-16:35	Preformed Pairs and BEC-BCS Crossover in Organic superconductors <i>Kazushi Kanoda, Univ. of Tokyo, Japan</i>
Invited 16:35-16:55	Thermodynamic studies on iron-chalcogenides Fe(Se,S) in the BCS-BEC crossover <i>Yuta Mizukami, Univ. of Tokyo, Japan</i>
Invited 16:55-17:15	Tuning across the BCS-BEC crossover in the multiband superconductor Fe_{1+y}Se_xTe_{1-x}: An ARPES study <i>Amit Kanigel, Technion, Israel</i>
Contributed 17:15-17:30	Dimensionality-Induced BCS-BEC Crossover <i>Kyosuke Adachi, Kyoto Univ., Japan</i>
Contributed 17:30-17:45	Weak Coupling Instability to Finite Momentum Superconductivity in the BCS to BEC Crossover <i>Mats Granath, Univ. of Gothenburg, Sweden</i>
Contributed 17:45-18:00	Gate-controlled low carrier density 2D superconductors toward BCS-BEC crossover <i>Yuji Nakagawa, Univ. of Tokyo, Japan</i>

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08:30-10:05	Parallel Oral Sessions : Fr-S56 – Fr-S60	Room 2-6
10:05-10:25	Coffee Break 20 minutes	
10:25-11:05	Plenary 11: Progress on Superconducting Materials for High-Field Application in China <i>Pingxiang Zhang, Northwest Insti. For Non-ferrous Metal Research, China</i> <i>Chair: Nanlin Wang, Peking Univ., China</i>	Room 1
11:05-11:45	Plenary 12: Progress on Quantum Critical Metals <i>Erez Berg, Univ. of Chicago, USA</i> <i>Chair: Nanlin Wang, Peking Univ., China</i>	Room 1
11:45-12:25	Plenary 13: Tunable Superconductivity and Phase Transitions by Field Effect Transistor <i>Xianhui Chen, Univ. of Sci. and Techn. of China, China</i> <i>Chair: Nanlin Wang, Peking Univ., China</i>	Room 1
12:25-12:45	Closing, Best Poster Awards and Next Congress <i>Chair: Xingjiang Zhou, Inst. of Physics, CAS, China</i>	Room 1

Friday



Fri. Aug. 24th 08:30-10:00	Session: Fr-S56 Cuprates Dynamics <i>Chair: Yuan Li, Peking Univ., China</i>	Room 2
Invited 08:30-08:50	Robust Dynamical Charge Density Waves in High-T_c Superconducting Cuprates <i>Marco Grilli, Univ. of Rome 'Sapienza', Italy</i>	
Invited 08:50-09:10	A Non-equilibrium Approach to the Optical Spectroscopy of Cuprates Superconductors <i>Fulvio Parmigiani, Univ. of Trieste, Italia</i>	
Invited 09:10-09:30	Unconventional high field superconductivity in the underdoped copper-oxide T_c superconductors <i>Suchitra Sebastian, Cavendish Lab., UK</i>	
Contributed 09:30-09:45	Scanning noise spectroscopy on a cuprate high temperature superconductor <i>Doohee Cho, Leiden Univ., Netherlands</i>	
Contributed 09:45-10:00	NMR study of CDW order in YBa₂Cu₃O_y under hydrostatic pressure <i>Igor Vinograd, LNCMI, France</i>	
Fri. Aug. 24th 08:30-09:45	Session: Fr-S57 IBS Nematicity-2 <i>Chair: Yunkyu Bang, Pohang Univ. of Sci. and Techn., Korea</i>	Room 3
Invited 08:30-08:50	Orbitals and Nematicity in La-1111 Single Crystals <i>Bernd Kurt Buechner, IFW Dresden, Germany</i>	
Invited 08:50-09:10	Symmetry-breaking phenomena in iron-based superconductors <i>Kyoko Ishizaka, Univ. of Tokyo, Japan</i>	
Invited 09:10-09:30	Orbital selectivity and nematicity in iron pnictides and chalcogenides <i>Rong Yu, Renmin Univ. of China, China</i>	
Contributed 09:30-09:45	Abrupt Change of the Superconducting Gap Structure at the Nematic Critical Point of FeSe_{1-x}S_x <i>Shigeru Kasahara, Kyoto Univ., Japan</i>	

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Fri. Aug. 24th 08:30-10:05	Session: Fr-S58 2D SC TMD <i>Chair: Minghu Fang, Zhejiang Univ. , China</i>	Room 4
Invited 08:30-08:50	Theory of the supercyclotron resonance and Hall response in anomalous 2d metals <i>Sean Hartnoll, Stanford Univ. , USA</i>	
Invited 08:50-09:10	Unconventional superconducting phases in hole doped two dimensional transition metal dichalcogenides <i>Vivek Aji, Univ. of California Riverside, USA</i>	
Invited 09:10-09:30	Mott Jahn-Teller insulating state in single layer 1T-NbSe₂ <i>Matteo Calandra, CNRS, France</i>	
Invited 09:30-09:50	Chiral and disordered polaron textures, metastability and carrier duality in systems with competing orders <i>Dragan Mihailovic, Jozef Stefan Inst., Slovenia</i>	
Contributed 09:50-10:05	Transport study of superconducting-normal (SN) junctions at the surface of ionic gated MoS₂ <i>Qihong Chen, Univ. of Groningen, Netherlands</i>	
Fri. Aug. 24th 08:30-10:00	Session: Fr-S59 SC-organic <i>Chair: Yan Chen, Fudan Univ.,China</i>	Room 5
Invited 08:30-08:50	Orbital Degeneracy, Mott-Jahn-Teller Insulators, and Strongly Correlated Superconductivity in Molecular Conductors, especially Fullerenes <i>Erio Tosatti, SISSA & ICTP, Italy</i>	
Invited 08:50-09:10	Crossover from impurity-controlled to granular superconductivity in (TMTSF)₂ClO₄ <i>Claire Marrache-Kikuchi, Paris-Sud Univ., France</i>	
Invited 09:10-09:30	Discovery of superconductivity in poly-p-phenylene oligomers <i>Xiaojia Chen, HPSTAR, China</i>	
Contributed 09:30-09:45	Confined Superconductivity and Ferromagnetism in Boron Doped Diamond <i>Tomas Samuely, P. J. Safarik Univ.in Kosice, Slovakia</i>	

Friday



Contributed 09:45-10:00	Interplay between electron-phonon and electron-electron interactions in electron doped aromatic carbon materials viewed from electrical transport probe <i>Katsumi Tanigaki, AIMR - Tohoku Univ., Japan</i>	
Fri. Aug. 24 th 08:30-09:50	Session: Fr-S60 New Developments	Room 6
	Chair: Johan Chang, Univ. of Zurich, Switzerland	
Invited 08:30-08:50	New Superconductors Tuned at High Pressures <i>Changqing Jin, Inst. of Physics, CAS, China</i>	
Invited 08:50-09:10	Discovery of a New Cuprate with Unusual Features: Significance for High-T _c Physics <i>Shin-ichi Uchida, Univ. of Tokyo, Japan</i>	
Invited 09:10-09:30	Onset of the photo-excited transient superconductivity and Nernst effect at the emergence of local phase coherence of preformed pairs <i>Yasutomo Uemura, Columbia Univ., USA</i>	
Invited 09:30-09:50	Direct observation of symmetry-distinct states with nontrivial doping evolution in a high-T _c cuprate family by polarization-dependent angle-resolved photoemission <i>Ruihua He, Westlake Inst. for Advanced Study, China</i>	
10:05-10:25	Coffee Break 20 minutes	
10:25-12:25	Plenary 11, Plenary 12, Plenary 13	Room 1
12:25-12:45	Closing and Best Poster Awards and Next Congress	Room 1

Friday



8.3 Poster Session

Monday Aug. 20th 12:05-14:00 Poster Session 1: Materials & Applications <i>Chair: Xianhui Chen, Univ. of Sci. & Techn. of China, China</i>		
Mo-1	Tomasz Klimczuk	Crystal growth and superconductivity in CaBi ₂
Mo-2	Guo-Yi Zhu	Inter-valley chiral topological superconductivity in a graphene Moire superlattice
Mo-3	Jarosław Juraszek	Multiband effects in the filled skutterudites superconductors PrOs ₄ Sb ₁₂ and LaRu ₄ As ₁₂ probed by measurement of the lower critical field
Mo-4	Su-young Kim	Transport and Calorimetry Study of 20% La-doped CeIn ₃
Mo-5	Lei Qiao	Ce ₂ O ₂ Bi: A New Heavy Fermion Compound with Topological Bismuth-Square Net
Mo-6	Wenhao Liu	Magnetization of Potassium Doped p-terphenyl and p-quaterphenyl by High Pressure Synthesis
Mo-7	Albert Guijarro	On the Characterization of the Main Phase in Kxp-terphenyl Systems
Mo-8	Tae-Ho Park	Superconductivity in K doped p-terphenyl : First principles calculations of electron-phonon coupling
Mo-9	Jose Antonio Verges	Stable Structural Phases of Potassium p-Terphenyl Compounds
Mo-10	Shin-Ming Huang	Prediction of quasi-one-dimensional topological superconductor Tl _{2-x} Mo ₆ Se ₆
Mo-11	Haiming Deng	Paramagnetic Resonances in Surface-Superconducting Topological Insulator Sb ₂ Te ₃
Mo-12	Jie Zhang	Superconducting proximity effect in Bi ₂ Se ₃ /FeSe heterojunction films grown by RF magnetron sputtering
Mo-13	Beilun Wu	Upper critical field study in ferromagnetic superconductor UCoGe
Mo-14	Hirohito Aizawa	Electronic Band Structure and Superconducting Gap Symmetry in Organic Conductor λ-(BETS) ₂ GaCl ₄



Mo-15	Xinwei Cai	High Performance MgB ₂ Wires by in situ Powder-in-Tube Process with Mg(BH ₄) ₂
Mo-16	Chao Zhang	Griffiths Singularity of Superconductor-Insulator Transition in TiO Epitaxial Thin Films with Different Thicknesses
Mo-17	Yanwu Xie	High-temperature interface superconductivity in bilayer films grown by pulsed laser deposition
Mo-18	Ildar Abdyukhanov	Development and Research of HTS Materials in SC “Bochvar Institute”
Mo-19	Lihua Jin	Improved Structure and Superconducting Properties of YBCO Films with Nanoparticles Derived from Chemical Solution Deposition
Mo-20	Riccardo Arpaia	Robust Dynamical Charge Density Waves in (Y,Nd)Ba ₂ Cu ₃ O _{7-δ}
Mo-21	Yue Zhang	Unprecedented High Irreversibility Line in Nontoxic Cuprate Superconductor (Cu,C)Ba ₂ Ca ₃ Cu ₄ O _{11+δ}
Mo-22	Andrea Augieri	Synchrotron X-ray diffraction study of structural disorder in YBCO and composite YBCO films
Mo-23	Wei Hu	The two-gap feature in optimal electron-doped cuprates
Mo-24	Xiaoqing Zhou	Observation of Topological Surface State in High Temperature Superconductor MgB ₂
Mo-25	Chuan Li	4πi- periodic Andreev bound states in a Dirac semimetal
Mo-26	Takuto Kawakami	Superconductivity in spin 3/2 topological insulators with carrier doping
Mo-27	Masanori Ichioka	D-vector Dependence of Local NMR Relaxation Rates T ₁ ⁻¹ and T ₂ ⁻¹ in the Vortex State of Chiral and Helical P-wave Superconductors
Mo-28	Guoqing Liu	Preparation of Bi-2212 high temperature superconductors with different precursor powders
Mo-29	Shusei Mizuta	STM/STS Study on Electronic Superstructures in High-T _c Cuprate Bi ₂ Sr ₂ CaCu ₂ O _{8+x}
Mo-30	Matteo Rossi	Incident-Energy Dependence of Lattice and Magnetic Excitations of NdBa ₂ Cu ₃ O ₆ Measured by Resonant Inelastic X-Ray Scattering

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Mo-31	Linfei Liu	Comparison of BaZrO ₃ and BaHfO ₃ dopants on the properties of YGBCO superconducting films grown by PLD
Mo-32	Ke Zhao	Co-existence of ferromagnetism and superconductivity in Bi ₂ Se ₃ -doped FeSe
Mo-33	Genki Kuwano	Effects of Cross-Section Profiles on Synchronization of Distributed Intrinsic Josephson Junctions in Cuprate High-T _c Superconductors for Coherent Terahertz Radiation
Mo-34	Jianxi Lan	Comparison of I _c variations between coated conductor and Bi-2223 samples at different temperatures and magnetic fields
Mo-35	Yoh Kohori	^{63,65} Cu NMR studies of superconducting T'-La _{1.8} Eu _{0.2} Cu _{4+δ} with Nd ₂ CuO ₄ structure
Mo-36	Ho Keun Lee	Tuning of the Superconductivity above 100 K in TlSr ₂ CaCu ₂ O ₇ by Cation Substitutions
Mo-37	Kevin Kramer	Comprehensive Band Structure Study of Single-layer Cuprate Superconductors
Mo-38	Toshihiko Maeda	Phase Formation and Superconductivity in (Nb,Sn)Sr ₂ RECu ₂ O _z (RE: rare-earth element, z≈8)
Mo-39	Iijun cui	Preparation and Characterization of Bi-2223 Precursor Powder by Spray Pyrolysis Method
Mo-41	Manabu Tsujimoto	Design and Characterization of Microstrip Patch Antennas for Efficient Terahertz Radiation from BSCCO Intrinsic Josephson Junctions
Mo-42	Ziliang Li	Chemical Solution Derived YBa ₂ Cu ₃ O ₇ Nanocomposite Films with Preformed BaMO ₃ (M=Zr, Hf) Nanoparticles for Enhanced Superconducting Performances
Mo-43	Fang Li	Stresses and superconducting properties of YBa ₂ Cu ₃ O _{7-x} /(La,Sr)(Al,Ta)O ₃ , YBa ₂ Cu ₃ O _{7-x} /LaAlO ₃ and YBa ₂ Cu ₃ O _{7-x} /SrTiO ₃ thin films
Mo-44	Rolf Walter Lortz	Thermodynamic evidence for a Fulde-Ferrell-Larkin-Ovchinnikov state in the iron-based superconductor KFe ₂ As ₂
Mo-45	Zhongtang Xu	Transport Properties and Pinning Analysis for Co-doped BaFe ₂ As ₂ Thin Films on Metal Tapes and Single Crystal Substrates



Mo-46	Wolfgang Stefan-Ludwig Drechsler	Electron-electron interaction, mass enhancement, band shifts and VAN HOVE singularities in hole overdoped $\text{Ba}_{1-x}\text{K}_x\text{Fe}_2\text{As}_2$ and CsFe_2As_2 superconductors
Mo-47	Kyungwan Kim	Nematic and Magnetic Fluctuations in $\text{Ba}(\text{Fe},\text{Co})_2\text{As}_2$
Mo-48	Kosuke Nakayama	High-Resolution ARPES study of One-Monolayer FeSe Films on SrTiO_3 : Dirac Semimetal and High-Temperature Superconducting Phases
Mo-49	Jixing Liu	Enhanced critical current density of $\text{Fe}(\text{Se}, \text{Te})$ superconducting bulks by Fluorine doping
Mo-50	Koshin Shigekawa	Superconducting Quasiparticles in Electron-Doped FeSe Thin Films Studied by High-Resolution ARPES
Mo-51	Kenji Kawashima	Superconducting properties of $(\text{La},\text{Na})\text{AFe}_4\text{As}_4$ ($A = \text{Rb}, \text{Cs}$) with 1144-type structure
Mo-52	Jia Yu	Characterization of the Single Crystalline Iron-based 112-type Parent Compound EuFeAs_2
Mo-53	Naoki Murai	Effect of electron correlations on spin excitation bandwidth in $\text{Ba}_{0.75}\text{K}_{0.25}\text{Fe}_2\text{As}_2$ as seen via time-of-flight inelastic neutron scattering
Mo-54	Zhe Cheng	Effect of wire diameter on the microstructure and J_c properties of $\text{Ba}_{0.6}\text{K}_{0.4}\text{Fe}_2\text{As}_2$ tapes
Mo-55	Evgeniia Sheveleva	Magnetic and Superconducting Properties of the Iron Arsenide Pnictides $\text{Ba}_{1-x}\text{Na}_x\text{Fe}_2\text{As}_2$ as seen by Infrared Spectroscopy and Muon Spin Rotation
Mo-56	Huaxue Zhou	$(\text{Li},\text{Fe})\text{OHFeSe}$ Superconductor: Ion-exchange Synthesis of Large Single Crystal and Mn Substitution
Mo-57	Ivan Veshchunov	Magnetic Flux Structure in Phosphorus-Doped EuFe_2As_2 Single Crystals
Mo-58	Ruijin Sun	Doping induced insulate transition in Superconductor $\text{Ba}_x(\text{NH}_3)_y\text{Fe}_{2-z}\text{S}_2$
Mo-59	He Huang	Record Critical Current Density with Low Anisotropy in Highly-Textured 122 Iron-based Superconducting Tapes
Mo-60	Yanchang Zhu	Fabrication of superconducting joint between iron-based superconductor tapes

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Mo-61	Shifa Liu	High Critical Current Density in Cu/Ag Compositied Sheathed $\text{Ba}_{0.6}\text{K}_{0.4}\text{Fe}_2\text{As}_2$ Tapes via Hot Isostatic Pressing
Mo-62	Shifeng Jin	Structure and properties of new organic molecule intercalated FeSe superconductors
Mo-63	Fuyuki Nabeshima	Growth and Transport Properties of Fe(Se,S) thin films
Mo-64	Xiao Fan	Nematicity and high temperature superconductivity in an orthorhombic iron-based superconductor $\text{Na}_{0.35}(\text{C}_3\text{N}_2\text{H}_{10})_{0.426}\text{Fe}_2\text{Se}_2$
Mo-65	Zhongpei Feng	High throughput research to elucidate tunable superconductivity in FeSe
Mo-66	Wei Wu	Multiple magnetic transitions in single crystal $\text{Ce}_{12}\text{Fe}_{57.5}\text{As}_{41}$ and $\text{La}_{12}\text{Fe}_{57.5}\text{As}_{41}$
Mo-67	Linlin Zhao	The Superconducting Phase Diagram in $\text{Li}_x(\text{C}_2\text{H}_8\text{N}_2)_y\text{Fe}_2\text{Se}_2$
Mo-69	Michal Babij	Search for Superconductivity in Ni^{2+} Doped EuFe_2As_2 at High Pressure
Mo-70	Kazuki Sato	New Alkaline-Earth-Metal- and Ethylenediamine-Intercalated FeSe-Based and MoSe_2 -Based Superconductors
Mo-71	Tong Lin	Optical spectroscopy study of iron-based superconductor (Li,Fe)OHFeSe
Mo-72	Guanyu Chen	Highly Anisotropic Superconducting Gaps and BCS-like Critical Fluctuation in FeSe Single Crystal
Mo-73	Hai Lin	Multiband Superconductivity and Large Anisotropy in FeS Crystals
Mo-74	Xiaoming Ma	Superconductivity and Magnetism Study of Ruthenium-doped Iron Chalcogenides
Mo-75	Yulong Huang	Superconducting (Li,Fe)OHFeSe Film of High Quality and High Critical Parameters
Mo-76	Zhi-Cheng Wang	Transport properties and anisotropy of $\text{CsCa}_2\text{Fe}_4\text{As}_4\text{F}_2$ single crystals
Mo-77	Mengzhu Shi	Organic ion intercalated FeSe-based superconductors
Mo-78	Tianfeng Duan	Collective Vortex Pinning and Merging of the Irreversibility Line and Second Peak Effect in Optimally Doped $\text{Ba}_{1-x}\text{K}_x\text{BiO}_3$ Single Crystals



Mo-79	Xiyu Zhu	Structures and Physical Properties of $\text{CsV}_2\text{Se}_{2-x}\text{O}$ and $\text{V}_2\text{Se}_2\text{O}$
Mo-80	Wenhao Luo	Changed structure and properties of MgB_2 bulk superconductors with $\text{Mg}(\text{BH}_4)_2$ additions
Mo-81	Wanling Liu	Tailoring charge transfer and magnetism at interfaces of spin-orbit coupled oxide superlattices
Mo-82	Dongliang Gong	Coexistence and Competition between stripe and Neel antiferromagnetic order in highly Cr doped $\text{BaFe}_{1.9-x}\text{Ni}_{0.1}\text{Cr}_x\text{As}_2$
Mo-83	Miao Meng	Structural and Transport Properties of FeTe Films
Mo-84	Chenguang Mei	High Quality Superconducting $\text{FeSe}_{0.5}\text{Te}_{0.5}$ Films Grown on $\text{Pb}(\text{Mg}_{1/3}\text{Nb}_{2/3})_{0.7}\text{Ti}_{0.3}\text{O}_3$ with Large Lattice Mismatch and Electric-field Modulation of Superconducting Transition
Mo-85	Yi Cui	Optimized Conditions for ionic-liquid-gating assisted protonation to search for high- T_c phases in iron-based superconductors
Mo-86	Shengnan Zhang	Fabrication of FeSe superconducting wires based on high-energy ball milling aided sintering process
Mo-88	Yu Dong	Anomalous transversal resistance in 122-type iron-based superconductors
Mo-89	Gang Mu	Growth and Physical Properties of CaFeAsF Single Crystals
Mo-90	Zhengtai Liu	Electron-plasmon interaction induced plasmonic-polaron band replication in epitaxial perovskite SrIrO_3 films
Mo-91	Hong Zhang	Improved superconductivity by increasing density of MgB_2 prepared by hot-pressing
Mo-92	Qi Wang	The Effect of Sintering Temperature on Superconductivity of MgB_2 Prepared by Hot-pressing
Mo-93	Evgeny Mazur	Metallic hydrogen with a strong electron-phonon interaction at a pressure of 300-500 GPa
Mo-94	Agustin Conde-Gallardo	Temperature Dependence of the 182-, 201-, 210- and 285- cm^{-1} Raman modes of the $\text{SmFeAsO}_{1-x}\text{F}_x$ superconducting compounds
Mo-95	Salvatore Licciardello	Electrical resistivity across a nematic quantum critical point

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Mo-96	Eduardo M. Bittar	Superconducting $\text{La}_3\text{Co}_4\text{Sn}_{13}$ Compound Under Pressure
Mo-97	Jian Zhang	Time-reversal symmetry breaking superconductivity in $(\text{Pr},\text{La})\text{Pt}_4\text{Ge}_{12}$
Mo-98	Yeting Shao	Enhanced Superconductivity in O Doped ThNiAsN
Mo-99	Yunjie Fan	Effect of Oxygen Content on the Superconductivity of Titanium Monoxide Films
Mo-100	Huixia Luo	S-shaped suppression of the superconducting transition temperature in Cu_xNbSe_2
Mo-101	Jian-gang Guo	2D Superconductivity from Dimerization of Atomically Ordered $\text{AuTe}_2\text{Se}_{4/3}$ Cubes
Mo-102	Qing-Ge Mu	Superconductivity Beyond 10 K in the Novel Quasi-one-dimensional Ternary Molybdenum Pnictides $\text{A}_2\text{Mo}_3\text{As}_3$ (A=K, Rb, Cs)
Mo-103	Vinh Hung Tran	Electronic properties of the noncentrosymmetric superconductor Th_7Fe_3
Mo-104	Fang Cheng	Improved Superconducting Properties in the Mg^{11}B_2 Low Activation Superconductor Prepared by Optimizing Microstructure
Mo-105	Jian Peng	Superconductivity and valence state in layered single-crystal $\text{HfAs}_{1.67}\text{Te}_{0.12}$
Mo-106	Yanpeng Qi	Superconductivity in alkaline earth metal–filled skutterudites $\text{Ba}_x\text{Ir}_4\text{X}_{12}$ (X = As, P)
Mo-107	Dan Xi	Superconducting and Mechanical Properties of 18-filament MgB_2 Long Wire Prepared by in-situ Method
Mo-108	Takashi Kambe	Electrochemical Li-intercalation to $\text{KSr}_2\text{Nb}_3\text{O}_{10}$ and $\text{NaSr}_2\text{Nb}_3\text{O}_{10}$
Mo-109	Qiang Guo	Study on High J_c and Low AC Losses $\text{NbTi}/\text{Cu}_{0.5}\text{Mn}$ Superconducting Wire for HIAF Magnets
Mo-110	Gareoung Kim	Superconductivity properties of $\text{Ta}_{1/6}\text{Nb}_{2/6}\text{Hf}_{1/6}\text{Zr}_{1/6}\text{Ti}_{1/6}$ high entropy alloy
Mo-111	Pierre Bonnet	Superconducting Silicon Resonators
Mo-112	Jianjun Ying	Fermi surface reconstruction in 2H-TaSe_2 under high pressure mediated by interlayer interaction



Mo-113	Katsuhiro Suzuki	A possibility of anisotropic s-wave pairing in BiS ₂ layered superconductors
Mo-114	Zhi Ren	Possible unconventional superconductivity in SnSb with natural superlattice structure
Mo-115	Hua Bai	Superconductivity in misfit layered compound (SnSe) _{1.16} (NbSe ₂)
Mo-116	Xiang Liu	Possibly Better Superconductivity at Domain Boundaries in Two-Dimensional α -Mo ₂ C Crystals
Mo-117	Ryota Sogabe	BiS ₂ -based layered superconductors with high-entropy-alloy-type blocking layers
Mo-118	Ke Zhang	Performance Improvements to Bronze Processed Nb ₃ Sn Strands
Mo-119	Qing-Ge Mu	Superconductivity in several Quasi-one-dimensional Ternary chromium Pnictide compounds
Mo-120	Chang-geun Oh	Time-Dependent Reentrant Superconductivity in the Nonequilibrium state of KBi ₂
Mo-121	Yuki Saito	Discovery of Superconductivity in BaPtSb with a Noncentrosymmetric Structure
Mo-122	Guobao Li	Superconductivity in Perovskite Ba _{1-x} Ln _x (Bi _{0.20} Pb _{0.80})O _{3-δ} (Ln= Y, La, Ce, Pr, Nd, Sm, Eu, Gd, Tb, Dy, Ho, Er, Tm, Yb, Lu)
Mo-123	Xiao Lin	A Ferroelectric Quantum Phase Transition Inside the Superconducting Dome of Sr _{1-x} Ca _x TiO _{3-δ}
Mo-124	Sandra Karlsson	New Superconducting Phases in the Nb-Pd-(Se/S) System
Mo-125	Yury Karasev	The Superconducting NbTi Wire for Coils of the Superconducting Dipole Magnet for CBM Experiment at FAIR
Mo-126	Frederico B. Santos	Existence of Superconductivity in FeGa ₃ with Mo Substitution
Mo-127	Haoran Liu	The effect of graphene coated Si, Ti and Nb addition on the superconducting properties of MgB ₂ bulks
Mo-128	Jianqing Feng	Fabrication and properties of 19-filamentary MgB ₂ Superconducting wires
Mo-129	Xu Chen	Superconductivity in layered CuAs-based oxyarsenides

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Mo-130	Lucas E. Corrêa	Superconductivity in a new ternary compound of the Ta-Zr-B system
Mo-131	Jefferson Machado	Investigation of a new hexagonal superconducting Laves phase in the ternary system Hf-V-Ga
Mo-132	Mário Sérgio da Luz	Superconductivity in $Zr_3V_2Ga_4$ with superconducting critical temperature close to 11 K
Mo-133	Yoshikazu Mizuguchi	Crystal structure and physical properties of new layered oxychalcogenide $La_2O_2M_4S_6$ (M = Bi, Pb, Ag, Cd)
Mo-134	Darren C. Peets	Superconductivity with First-Order Upper Critical Field in an Aluminum Cage Compound
Mo-135	Goto Yosuke	$NaSn_2As_2$: a representative of a novel family of van der Waals-type superconductors
Mo-136	Karolina Górnicka	Superconductivity in the intermetallic Ce-based compound $CeIr_3$
Mo-137	Zhihe Wang	Superconducting origin from BaO_2 -plane in $BaPb_{1-x}Bi_xO_{3-d}$
Mo-138	ShuChun Huan	Evidence for a magnetic topological semimetal in CeBi from magnetotransport and magnetic measurements
Mo-139	Jin Si	Pressure Induced Superconductivity in the New Compound $ScZrCo_{1-\delta}$
Mo-140	Lina Sang	In-situ hydrostatic pressure induced significant suppression of magnetic relaxation and enhancement of flux pinning in $Fe_{1-x}Co_xSe_{0.5}Te_{0.5}$ Single Crystals
Mo-141	Xinsheng Yang	Non-destructive evaluation of critical current on Bi-2212 cable
Mo-142	Alexander J. G. Lunt	Residual Stress Quantification in Nb_3Sn Thin Films for Superconducting Radio Frequency Applications
Mo-143	Bin Xiang	Simulation of Quench and Recovery Characteristics of YBCO Coated Conductors in Three-Dimension of DC Resistive Superconducting Fault Current Limiters
Mo-144	Jie Li	Activities of Chinese National Technical Committee on Superconductivity
Mo-145	Chang Xin Chi	Numerical Simulation on Improving Stability of Magnetic Field of Persistent Current Mode 2G HTS Coils



Mo-146	Jae Hyun Yun	Enhancement of the electronic thermoelectric properties by charge density wave order
Mo-147	Xin Sheng	Experimental and Numerical Study of Wireless Power Transfer System Using High Temperature Superconducting Coils
Mo-148	Sansheng Wang	Design and analysis of new hybrid magnetic shielding system: application for magnetic nondestructive testing of circuit
Mo-149	Chiheng Dong	Critical current and superconducting phase homogeneity in FeAs-122 superconducting tapes
Mo-150	Hui Dong	Multichannel Ultralow Field Magnetic Resonance Imaging Study Utilizing Low-T _c SQUIDS
Mo-151	Xiaoming Xie	Practical low-T _c SQUID Systems for Geophysics Applications
Mo-152	Shi Chen	Surfaces smoothing for enhancing superconducting properties of NbN nanowires by ion beam figuring
Mo-153	Qingyu Hu	High Temperature Superconducting Magnets in PCS Mode
Mo-154	Qingyu Hu	Stability of Superconducting Magnet and Wire insulations
Mo-155	Feng Li	Ferromagnetic Josephson Junctions Based on Epitaxial NbN/NiCu/NbN Trilayer
Mo-156	Xu Tao	High Speed Superconducting Nanowire Single-Photon Detector with the Capability of Photon-Number-Resolving
Mo-157	Qiyu Zhang	Effect of Thickness on Superconducting properties for Epitaxial NbN Films
Mo-158	Zigeng Huang	Temperature Dependence of Critical Current in YBCO Step-Edge Josephson Junctions
Mo-159	Jinbao Jiang	Memristor Behavior of 2D FeTe with High Temperature Phase Instability
Mo-160	Bing Shen	The vortex physics and critical current density in $\text{Ca}_{10}(\text{Pt}_n\text{As}_8)(\text{Fe}_{2-x}\text{Pt}_x\text{As}_2)_5$ and $\text{Ca}_{0.74}\text{La}_{0.26}(\text{Fe}_{1-x}\text{Co}_x)\text{As}_2$
Mo-161	Jeremy Brisbois	Statistics of Magnetic Field Threshold for Triggering Flux Avalanches in Nb Superconducting Films
Mo-162	Agustin Conde-Gallardo	Particle Size Effects on the Magnetic Properties of the $\text{SmFeAsO}_{1-x}\text{F}_x$ Superconductors.
Mo-163	Ryo Ogawa	Direct Current Measurement of Hall Effect in the Mixed State for the Iron-chalcogenide Superconductors

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Mo-164	Yajun Yan	Direct Visualization of the Nematic Superconductivity in $\text{Cu}_x\text{Bi}_2\text{Se}_3$
Mo-165	Lingyuan Kong	Evidences of Majorana Bound States in $\text{Fe}(\text{Te},\text{Se})$ superconductor

Tuesday Aug. 21st 12:05-14:00

Poster Session 2: Experiments-1

Chair: Fuchun Zhang, Univ. of CAS, China

Tu-1	Arnab Roy	Study of the Superconductor–Insulator quantum phase transition using Nernst effect
Tu-2	Graham Baker	Ultra-long-lived quasiparticles in FeSe revealed by broadband microwave spectroscopy
Tu-3	Xuchen Nie	Coexistence and Competition between Pseudogap and Superconducting Quasiparticles in Underdoped $\text{Bi}_2\text{Sr}_2\text{CaCu}_2\text{O}_{8+\delta}$ by Ultrafast Time-resolved Optical Reflectivity
Tu-4	Bing Xu	Electron-phonon coupling in iron-based superconductors and its correlation with T_c
Tu-5	Lichen Wang	Electronic and structural instabilities in underdoped Hg-based high- T_c cuprates
Tu-6	Shun Asano	Reduction annealing effects on crystal structure studied by multiple structure analysis in T'-type copper oxide Pr_2CuO_4
Tu-7	Yuan Wei	Spin excitation of quasi-1D superconductor BaFe_2S_3
Tu-8	Wenliang Zhang	Unconventional Antiferromagnetic Quantum Critical Point in an Iron Pnictide
Tu-9	Tao Xie	Neutron Spin Resonance in the 112-Type Iron-Based Superconductor
Tu-10	Die Hu	Structure of spin excitations in heavily electron-doped $\text{Li}_{0.8}\text{Fe}_{0.2}\text{ODFeSe}$
Tu-11	Shilong Wu	Direct evidence of hidden local spin polarization in centrosymmetric superconductor $\text{LaO}_{0.55}\text{F}_{0.45}\text{BiS}_2$
Tu-12	John Collini	Magnetic Quantum Critical Points Free From Phase Interference in $\text{Fe}_{1-x}\text{Co}_x\text{As}$ and $\text{Fe}_{1-x}\text{Co}_x\text{P}$
Tu-13	Qiuyun Chen	Tracing crystal-field splittings in the heavy-fermion superconductor CeIrIn_5



Tu-14	Peng Zhang	Topological Insulator and Dirac Semimetal States in Iron-based Superconductors
Tu-15	Timur Kim	Scaling of the Superconducting Gap with Orbital Character in FeSe
Tu-16	Yaomin Dai	Infrared Probe of the Gap Evolution across the Phase Diagram of Ba _{1-x} K _x Fe ₂ As ₂
Tu-17	Sijie Zhang	Photoexcitation-induced New Metastable State with Modulated Josephson Coupling Strengths in Electron-doped Cuprate Pr _{0.88} LaCe _{0.12} CuO ₄
Tu-18	Morten Eskildsen	Using Vortices to Probes the Unconventional Superconductivity in UPt ₃
Tu-19	Chennan Wang	Existence of the superconductivity cooperative hidden phase with orbital polarization in Sr _{0.64} Na _{0.36} Fe ₂ As ₂ superconductor
Tu-20	Wenjing Ban	Revealing pseudogap in Sr ₃ (Ru _{0.985} Fe _{0.015}) ₂ O ₇ by optical spectroscopy study
Tu-21	Motoyuki Ishikado	High energy spin fluctuations on iron-based superconductor LaFePO _{0.9}
Tu-22	Jinchen Wang	Neutron diffraction study on magnetic structures and transitions in Sr ₂ Cr ₃ As ₂ O ₂
Tu-23	Juanjuan Liu	Phase Diagram of the Newly Discovered Superconductors TiNi _{2-x} Co _x Se ₂ Investigated by Neutron Diffraction
Tu-24	Peng Cheng	Avoided Quantum criticality and Spin glass in V-doped BaFe ₂ As ₂
Tu-25	Muhamad Darwis Umar	An Approach from μ SR to Pseudogap States in Underdoped La _{2-x} Sr _x CuO ₄
Tu-26	Yong Hu	Distinct Parent Phase and Doping Evolution to Superconductivity in Single-Layer FeSe/SrTiO ₃ Films
Tu-27	Jianwei Huang	Formation of Coherent Superconducting State from Incoherent Normal State in Optimally-Doped Ba _{0.6} K _{0.4} Fe ₂ As ₂ Superconductor
Tu-28	Jianqiao Meng	ARPES investigation of electronic structure of Ce-based heavy fermion CePt ₂ In ₇
Tu-29	Ryan Day	Spin-Orbit Coupling in Iron-Based Superconductors via Spin-ARPES

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Tu-30	Linjun Li	Quantum metallic state in 2D superconductor with intrinsic electronic phase inhomogeneity
Tu-31	Jian Li	Orbital Order and Spin Nematicity in FeSe
Tu-32	Shunjiao Li	(π, π) spin fluctuation and pseudogap behavior in $(\text{CTA})_{0.3}\text{FeSe}$ superconductor
Tu-33	Shusei Onishi	Impurity Effects on Ferromagnetic Fluctuations in Heavily Overdoped Bi-2201 Cuprates
Tu-34	Yanling Wu	Ultrafast Dynamics Evidence of High Temperature Superconductivity in Single Unit Cell FeSe on SrTiO_3
Tu-35	Tong Lin	The energy gap and amplitude mode in charge-density-wave superconductor $\text{Bi}_2\text{Rh}_3\text{Se}_2$
Tu-36	Kai Wang	Mott Transition and collective charge pinning in electron doped Sr_2IrO_4
Tu-37	Xiao Ren	Raman Scattering Study of Phase Transitions in Correlated-Electron Materials
Tu-38	Run Yang	Insulator-to-superconductor transition in highly two-dimensional iron-based superconductor $(\text{CaFe}_{1-x}\text{Pt}_x\text{As})_{10}\text{Pt}_3\text{As}_8$
Tu-39	Ping Ai	A New Prospect of Bilayer Splitting Bands by ARPES based on Time-of-Flight
Tu-40	Li Yu	Laser ARPES study on competition between the CDW and superconducting order in the Se doped ZrTe_3
Tu-41	Cheng Hu	Evidence for Multiple Underlying Fermi Surface and Isotropic Energy Gap in the Cuprate Parent Compound $\text{Ca}_2\text{CuO}_2\text{Cl}_2$
Tu-42	Mingquan He	Evidence for short-range magnetic order in the nematic phase of FeSe from anisotropic in-plane magnetostriction and susceptibility measurements
Tu-43	An Wang	Nodeless Superconductivity in the Caged Compound $\text{Lu}_5\text{Rh}_6\text{Sn}_{18}$ with Broken Time Reversal Symmetry
Tu-44	Mudassar Nazir	Enhancement of Critical Current Density in Helium Ion irradiated $\text{Ba}(\text{Fe}, \text{Co})_2\text{As}_2$ Thin Films
Tu-45	Nan Xu	Evidence of Coulomb interaction induced Lifshitz transition and possible robust hybrid Weyl fermion in superconductor Td MoTe_2



Tu-46	Tianlun Yu	On the T _c enhancement mechanism at the FeSe/SrTiO ₃ interface
Tu-47	Cong Li	Orbital Origin of Extremely Anisotropic Superconducting Gap in Nematic Phase of FeSe Superconductor
Tu-48	Ying Ding	Laser-ARPES Study on Electron Scattering in Extremely Overdoped Bi2201 Superconductor
Tu-49	Ayumu Takahashi	Comparison between Effects of 1.19 GeV Pb and 320 MeV Au Irradiations on Critical Current Density in Ba _{0.6} K _{0.4} Fe ₂ As ₂
Tu-51	Xiang Li	Demonstration of the Photon-number Resolving and Spatial Resolution Detector with High Input Impedance Cryogenic RF Amplifier
Tu-52	Qiang Gao	The Electronic Structure of Bi2212 Measured By Laser-based ToF-ARPES
Tu-53	Jing Liu	Growth, characterization and electronic structure measured by new generation laser-based ARTof of high temperature superconductor Bi _{2-x} Pb _x Sr ₂ CaCu ₂ O _{8+δ}
Tu-54	Haoxiang Li	Spectroscopic Evidence of Low Energy Gaps Persisting Towards 120 Kelvin in Surface-Doped p-Terphenyl Crystals
Tu-55	Tao Hu	Double quantum criticality in superconducting tin-arrays/graphene hybrid
Tu-56	Bora Won	Doping study of quasi-one-dimensional S=1/2 Heisenberg antiferromagnetic spin system Sr _{2-x} (PbCl ₂) _x Cu(BO ₃) ₂
Tu-57	Sunseng Pyon	Effects of particle irradiation on critical current density in CaKFe ₄ As ₄ single crystals
Tu-58	Itai Keren	Defect-assisted Tunneling and Compressibility Measurements in Graphene-hexagonal Boron Nitride Stacked Devices.
Tu-59	Lev Levitin	Tuning Pair-Breaking at the Surface of Topological Superfluid Helium-3
Tu-60	Lev Levitin	Spatially-Modulated States in Superfluid Helium-3 under Confinement
Tu-61	Kehuan Linghu	The application of HTS rf SQUID in ultra low field NMR system
Tu-62	Changsheng Chen	The coexistence of superconductivity and magnetism in NdO _{0.5} F _{0.5} BiS ₂ : A muon spin rotation study

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Tu-63	Ce Huang	Inducing strong superconductivity in WTe ₂ by proximity effect
Tu-64	Chenhaoping Wen	Unveiling the superconducting mechanism of Ba _{0.51} K _{0.49} BiO ₃
Tu-65	Minoru Nohara	Giant Phonon Softening and Enhancement of Superconductivity Induced by Copper/Phosphorus Doping of BaNi ₂ As ₂
Tu-66	L.B. Wang	Optimization, Preparation and Characterization of Nanowires for High Efficiency Superconducting Nanowire Single Photon Detector
Tu-67	Yuting Shao	Evidence of line-nodes in superconducting gap function in K ₂ Cr ₃ As ₃ from specific heat measurements
Tu-68	Kenji Ishida	NMR studies on the magnetic fluctuations in the artificial heavy-fermion superlattices of CeCoIn ₅ /YbCoIn ₅ and CeCoIn ₅ /YbCoIn ₅
Tu-69	Dan Zhao	Breakdown of single spin-fluid model in the heavily hole-doped superconductor CsFe ₂ As ₂
Tu-70	Shengli Guo	μSR investigation of quasi-one-dimensional superconductor K ₂ Cr ₃ As ₃
Tu-71	Cheng Tan	Nodal superconductivity coexists with low-moment static magnetism in single-crystalline tetragonal FeS
Tu-72	Liran Wang	Large nematic susceptibility in the double-Q C4 magnetic phase of Ba _{1-x} Na _x Fe ₂ As ₂
Tu-73	Aviv Glezer Moshe	Single level and multi-level Kondo effects in granular Aluminum films
Tu-74	Yumika Aikawa	Metal Induced Superconductivity between Metallic Ti and MoS ₂
Tu-75	Ryosuke Ishiguro	Magnetic Interference Effects on Differential Conductance Curve of SNS Junction Made of a Metallic Channel in Zinc Oxide based Electrical Double Layer Transistor (N) Sandwiched between two Superconducting Niobium
Tu-76	Zhenping Wu	Critical Temperature Enhancement From Quantum Confinement in Nb _x SrTi _{1-x} O ₃ Thin Films
Tu-77	Zhenping Wu	Probing Quantum Confinement and Electronic Structure at Polar Oxide Interfaces
Tu-78	Sven Badoux	Transport measurements of underdoped YBa ₂ Cu ₃ O _{7-x} under high pressure and magnetic field



Tu-79	Wenjun Kuang	Anomalous Surface Magnetisation in Nonsymmorphic Single Crystal Superconductor In_2Bi
Tu-80	Yufeng Wu	Superconducting Proximity and Electric Field Effect on Monolayer Graphene/Single-unit-cell Cuprate Superconductor $\text{Bi}_2\text{Sr}_2\text{CaCu}_2\text{O}_{8+x}$ Van der Waals Heterostructure
Tu-81	Xia Lou	The Electronic Structure of LaIn_3 and CeIn_3 films
Tu-82	Shuki Wolfus	AC losses in superconducting wires and tapes - a comparative study of the behavior in $\text{Sr}_{0.6}\text{K}_{0.4}\text{Fe}_2\text{As}_2$ and MgB_2
Tu-83	Haijing Zhang	Tunneling spectroscopy of gate-induced superconductivity in MoS_2
Tu-84	Yifei Fang	Electronic Structure in the Antiferromagnetic State of Ni-doped TlCo_2Se_2
Tu-86	Ying Wang	Impurity Effects on the Superconductivity in $\text{LaO}_{0.5}\text{F}_{0.5}\text{BiS}_2$
Tu-87	Tatiana Charikova	Manifestation of charge carriers and vortex systems incoherence in electron-doped cuprates
Tu-88	Jun Li	Nematic superconducting state in the 122-type superconductors
Tu-89	Yi Liu	Interface induced Zeeman-protected superconductivity in ultrathin crystalline lead films
Tu-90	Zihao Zhu	TF- μSR Study on Noncentrosymmetric Superconductor PbTaSe_2
Tu-91	Shu Cai	Universal Pressure Dependent Superconductivity Phase Diagrams for Tetradymite Topological Insulators

Wednesday Aug. 22nd 12:05-14:00

Poster Session 3: Experiments-2

Chair: Nanlin Wang, Peking Univ., China

We-1	Huiqian Luo	Spin Excitations in the New Iron-Based Superconductor $\text{CaKFe}_4\text{As}_4$
We-2	Irene Battisti	Universality of Pseudogap and Emergent Order in Lightly Doped Mott Insulators
We-3	Masahiro Haze	STM/STS measurements on heavy fermion CeRhIn_5 thin films
We-4	Ge He	Tunneling spectroscopy study of several essential issues in unconventional superconductors and development of combi-LMBE-STM system

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We-5	Stepan Pryanichnikov	Crystal and Electronic structure of HTSC cuprates and related Antiferromagnetic Phases as Function of Temperature
We-6	Qi Huang	A full superconducting gap in noncentrosymmetric Re_6Hf by point-contact Andreev reflection spectroscopy
We-7	Jun Lu	Development of sensitive 3D vector VSM and applications to characterization of HTSC
We-8	Chunguang Wang	Orbital order and quantum nematic fluctuations in $\text{NaFe}_{1-x}\text{Co}_x\text{As}$
We-9	Jun Luo	Structural phase transition, precursory electronic anomaly, and strong-coupling superconductivity in quasi-skutterudite $(\text{Sr}_{1-x}\text{Ca}_x)_3\text{Ir}_4\text{Sn}_{13}$ and $\text{Ca}_3\text{Rh}_4\text{Sn}_{13}$
We-10	Gehui Zhang	NMR study on $\text{Sr}_x\text{Bi}_2\text{Se}_3$
We-11	Suci Winarsih	Reduction in Néel Temperature of Nanocrystalline La_2CuO_4 Probed by μSR and NMR
We-12	Anaëlle Legros	T-linear Resistivity and Planckian Limit in Overdoped Cuprates
We-13	Hodaka Kurokawa	AC Resistance of Driven Vortices in a Superconductor Measured by Microwave Technique
We-14	Erjian Cheng	Nodeless superconductivity in the SnAs-based van der Waals type superconductor NaSn_2As_2
We-15	Yanxing Yang	Coexistence of Static Magnetism and Superconductivity in $\text{Pr}(\text{O}_{0.5}\text{F}_{0.5})\text{BiS}_2$ as Revealed by Muon Spin Rotation/Relaxation
We-16	Jie Yang	Structural Phase Transition, Antiferromagnetism and Two Superconducting Domes in $\text{LaFeAsO}_{1-x}\text{F}_x$ ($0 < x \leq 0.75$)
We-17	Zheng Li	Gapped Spin-1/2 Excitations in a Kagome Quantum Spin Liquid Compound $\text{Cu}_3\text{Zn}(\text{OH})_6\text{FBr}$
We-18	Zhaofeng Ding	Continuous Change of Landau Renormalizations of Superfluid Density in Heavy Fermion Superconductors $\text{Ce}_{1-x}\text{Yb}_x\text{CoIn}_5$
We-19	Faji Xie	The quantum Hall effect and scaling law in bulk-insulating Sn doped BiSbTe_2S devices
We-20	Yeyu Huang	Multigap Nodeless Superconductivity in $\text{CsCa}_2\text{Fe}_4\text{As}_4\text{F}_2$ Probed by Heat Transport
We-21	Harim Jang	Transport Property of Ferromagnetic Superconductor Y_9Co_7 under Pressure



We-22	Yong Zhong	Atomic visualization of copper oxide structure in infinite-layer cuprate SrCuO ₂
We-23	Ankit Kumar	Magneto-Optical Imaging of Vortex Lattice Melting at Low Fields in the Presence of Disorder in a Ba _{0.6} K _{0.4} Fe ₂ As ₂ Single Crystal
We-24	Hinako Murayama	Diagonal Nematicity in the Pseudogap Phase of Hg1201
We-25	Kazuhisa Hoshi	Se Isotope Effect in The Layered BiCh ₂ -Based(Ch = S,Se) Superconductor LaO _{0.6} F _{0.4} Bi(S,Se) ₂
We-26	Stephen Edkins	The SQCRAMscope: Scanning Quantum Cryogenic Atom Microscope
We-27	Li Liu	Irradiation of Gd-doped YBCO Coated Conductors by Ar Ions
We-28	Jian Li	A 5K high voltage electrical breakdown measuring system incorporating a Gifford-McMahon cryocooler
We-29	Cun Xue	Flexible Vortex Ice and Vortex Ice-like Systems in Tailor-made Nanostructured Superconductors
We-30	Huaqian Leng	Type-I Superconductivity with an Unusual Surface State in the Dirac Semimetal PdTe ₂
We-31	Runze Yu	Absence of Local Fluctuating Dimers in Superconducting Ir _{1-x} (Pt, Rh) _x Te ₂
We-32	Junyi Ge	Nanoscale assembly of superconducting vortices with STM tip
We-33	Tian Le	Point-contact Andreev Reflection Spectroscopy Study on the Noncentrosymmetric Superconductor PbTaSe ₂
We-34	Feng Qin	Superconductivity in a Chiral WS ₂ Nanotube
We-35	Haruhisa Kitano	Quantum Phase Escape from Finite Voltage State of Bi ₂ Sr ₂ Ca _{1-x} Y _x Cu ₂ O _y Intrinsic Josephson Junctions
We-36	Desheng Wu	Transport behavior of possible SC material LaX series.
We-37	Liguo Ma	Visualizing the Electronic Structure of Thin Layers of Cuprates
We-38	Yi-Min Zhang	Experimental Exploration of Interface Superconductivity in Epitaxial SnSe ₂ Films
We-39	Xintong Li	Quasiparticle interference and charge order in a heavily overdoped non-superconducting cuprate

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We-40	Gael Grissonnanche	Large Negative Thermal Hall Response Inside the Pseudogap Phase of Cuprates
We-41	Satoshi Demura	Observation of Supermodulation in $\text{LaO}_{1-x}\text{F}_x\text{BiSe}_2$ by Scanning Tunneling Microscopy/Spectroscopy
We-42	Shun Ohta	STM Observation of Charge Density Wave States in $2\text{H-TaS}_{2-x}\text{Se}_x$
We-43	Mingyang Chen	Superconductivity with Twofold Symmetry in $\text{Bi}_2\text{Te}_3/\text{FeTe}_{0.55}\text{Se}_{0.45}$ Heterostructures
We-44	Koki Kawabata	Reduction Annealing and Electronic States in Single Crystals of T'-Cuprate $\text{Pr}_2\text{CuO}_{4+\delta}$
We-45	Zuyu Xu	Tunable Josephson junction based on black phosphorus
We-46	Yupeng Li	Superconductivity and charge-density wave in iodine-doped nodal-line semimetal In_xTaSe_2
We-47	Chen Chen	Superconducting Proximity Effect of Bi (110) Films on NbSe_2 Substrate Studied by STM
We-48	Beilun Wu	22 T superconducting magnet for scanning tunneling microscopy at dilution refrigeration temperatures
We-49	Qin Liu	STM Investigation of the Field-induced Magnetic Phase Transitions in CeSb
We-50	Zhenhai Yu	Pressure-induced isostructural phase transition and charge transfer in FeSe
We-51	Xiu-Zhi Duan	Hopping Conductance and Dissipation Effect in Three Dimensional $\text{Pb}_x(\text{SiO}_2)_{1-x}$ Granular Films
We-52	Ying Xing	Ising Superconductivity and Quantum Phase Transition in Macro- Size Monolayer NbSe_2
We-53	Amirreza Ataie	Evolution of pseudogap phase under pressure and endpoint of CDW in Nd-LSCO probed by transport measurements
We-54	Chaofei Liu	Detection of bosonic mode as a signature of magnetic excitation in one-unit-cell FeSe on SrTiO_3
We-55	Xi Liu	Scanning tunneling microscopy study of the Hidden Order in heavy fermion material URu_2Si_2
We-56	Ivan Maggio-Aprile	A high T_c Superconductor Reveals Caroli-de Gennes-Matricon Vortex States



We-57	Seyed Amirreza Ataei	Pressure tuning the pseudogap critical point: evidence from Seebeck and Nernst effect
We-58	Zhenhua Chi	Superconductivity in Pristine 2H _a -MoS ₂ at Ultrahigh Pressure
We-59	Jian Chen	Heavy fermion quantum criticality at dilute carrier limit in CeNi _{2-δ} (As _{1-x} P _x) ₂
We-60	Yanpeng Qi	Pressure-induced superconductivity and topological quantum phase transitions in a quasi-one-dimensional topological insulator: Bi ₄ I ₄
We-61	Hao Su	High magnetic field magnetotransport and ARPES measurements on a magnetic semimetal EuCd ₂ Sb ₂
We-62	Marcin Matusiak	Thermoelectric anisotropy in Ba(Fe _{1-x} Co _x) ₂ As ₂ iron-based superconductor
We-63	Kyoung Seok Lee	STM Studies of Density Modulations in the Pseudogap State of Bi ₂ Sr ₂ CaCu ₂ O _{8+δ}
We-64	Ran Tao	Superconductivity across Lifshitz transition and anomalous insulating state in surface K-dosed (Li _{0.8} Fe _{0.2} OH)FeSe
We-65	Huan Yang	Drive the Dirac Electrons into Cooper Pairs in Possible Topological Superconductor Sr _x Bi ₂ Se ₃
We-66	Siyuan Wan	Sign Reversal Superconducting Gap Revealed by Phase Referenced Quasi-particle Interference in (Li _{1-x} Fe _x)OHFe _{1-y} Zn _y Se and Bi ₂ Sr ₂ CaCu ₂ O _{8+δ}
We-67	Xiaoyu Chen	Discrete Energy Levels of Caroli-de Gennes-Matricon States in Quantum Limit Due to Small Fermi Energy in FeTe _{0.55} Se _{0.45}
We-68	Qiangqiang Gu	Determination of the Sign Reversal Superconducting Gaps on (Li _{1-x} Fe _x)OHFe _{1-y} Zn _y Se
We-69	Jing Guo	Electron-Hole Balance and the Anomalous Pressure-Dependent Superconductivity in Black Phosphorus
We-70	Roland Schäfer	Influence of persistent photoconductivity on superconductivity in the STO/LAO interface
We-71	Masahiro Naritsuka	Tuning the Pairing Interaction in a d-Wave Superconductor by Paramagnons Injected through Interfaces
We-72	Masahiro Haze	Impurity Effect in Heavy Fermion Superconductors Studied by STM

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We-73	Zhixin Liu	Gap structure evolution in $\text{Ba}_{1-x}\text{K}_x\text{Fe}_2\text{As}_2$ single crystals studied by point-contact Andreev reflection spectroscopy
We-74	Hong Xiao	Superconductivity in half-Heusler compound TbPdBi
We-75	Hiroyoshi Nobukane	High- T_c superconductivity in a ruthenate
We-76	Xiangzhuo Xing	Correlation between non-Fermi-liquid behavior and superconductivity in $(\text{Ca}, \text{La})(\text{Fe}, \text{Co})\text{As}_2$ iron arsenides: A high-pressure study
We-77	Yuki Itahashi	Nonreciprocal Transport by Vortex Ratchet Motion in 2D Superconducting MoS_2
We-78	Kousuke Ishida	Unusual Evolution of Electronic Nematicity in the Heavily Hole-Doped $\text{Ba}_{1-x}\text{Rb}_x\text{Fe}_2\text{As}_2$
We-79	Marcin Konczykowski	Disorder induced switching from antiferromagnetic to paramagnetic ground state in under doped iron-based superconductors
We-80	Sixiao Ma	Half-integer Thermal Hall Effect in $\alpha\text{-RuCl}_3$: a signature of Majorana fermions
We-81	Wanghao Tian	Observation of phase-sensitive symmetry gap for Fe-based superconductors from $\text{Nb}/\text{Al}/\text{Ba}_{1-x}\text{K}_x\text{Fe}_2\text{As}_2$ hybrid Josephson junction
We-82	Yanpeng Song	Gate-Induced Superconductivity in SnX_2
We-83	Xu Zhang	Magnetic Field Induced Ordering in Electron-doped Cuprate $\text{La}_{2-x}\text{Ce}_x\text{CuO}_{4\pm\delta}$
We-84	Zhao-Yu Liu	Interplay between nematic fluctuations and superconductivity in $\text{BaFe}_{2-x}\text{Ni}_x\text{As}_2$
We-85	Yanhong Gu	Nematic fluctuations in $\text{NaFe}_{1-x}\text{Ni}_x\text{As}$
We-86	Xiaoyan Ma	The Study of Quantum Critical Point in $\text{BaFe}_{2-x-y}\text{Ni}_x\text{Cr}_y\text{As}$ Based Superconductors
We-87	Alex Frano	Stabilization of three-dimensional charge order in $\text{YBa}_2\text{Cu}_3\text{O}_{6+x}$ via epitaxial growth
We-88	Wan Kyu Park	Studies of the Superconducting Order Parameter in the Heavy-Fermion Superconductor CeCoIn_5 via Planner Tunneling Spectroscopy at High Magnetic Field



Thursday Aug. 23rd 12:05-14:00

Poster Session 4: Theories

Chair: Tao Xiang, Inst. of Physics, CAS, China

Th-1	Kaoru Domon	Theory of electronic states in Ta ₂ NiSe ₅ under pressure as a candidate material of excitonic phase
Th-2	Masaki Umeda	Superconducting Critical Temperature for a Dirty Nano-structured Superconductor
Th-3	Peiran Zhang	Topological transition in a family of non-centrosymmetric superconductors
Th-4	Karin Matsumoto	Possible High-T _c Superconductivity Originating from Wide- and Narrow-Bands; Study on 1D and 2D Lattices
Th-5	Daisuke Ogura	Possibility of High-T _c Superconductivity in Ruddlesden-Popper Type Materials: Incipient Narrow Bands Originating from “Hidden Ladder” Electronic Structure
Th-6	Sharareh Sayyad	Non-equilibrium electron dynamics after a quench of the interaction in the doped 2D Hubbard model
Th-7	Muhammad Redo Ramadhan	Muon's Perturbation on the Local Spatial Distribution of Cu-Spin La ₂ CuO ₄ Simulated by Density Functional Theory Calculation
Th-8	Smritijit Sen	First Principles Investigations on a New 1111-type Fe-based Superconductor: ThFeAsN
Th-9	Jie Hou	Emergence of d _{xy} -Wave Superconductivity in a Doped Spin-1 Chain
Th-10	Rameshbabu Kunchala	Electron-Phonon Coupling and Superconductivity in NbN Polytypes
Th-11	Wei Zhu	Competing orders and fluctuations in the nematic phase of iron-based Superconductors
Th-12	Liangjian Zou	Orbital-driven two-dome superconducting phases in iron-based superconductors
Th-13	Narayan Mohanta	Supercurrent as a Probe for Topological Superconductivity in Magnetic Adatom Chains
Th-14	Xiaowei Liang	Prediction of High-Pressure Phase Stability and Superconductivity of GaScH ₆

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Th-15	Zhe Liu	Possible s-wave superconducting state in twisted bilayer graphene
Th-16	Daichi Kato	Variational Monte-Carlo Study of the Bilayer Hubbard Model
Th-17	Tae-Ho Park	Dynamical effects of BCS-BEC crossover in Holstein model
Th-18	Guoxiang Zhi	Electronic structure of Co-doped BaZn ₂ As ₂
Th-19	Wenjian Lu	Manipulating charge-density-wave in monolayer 1T-TiSe ₂ by strain and charge doping
Th-20	Artur Durajski	Phonon-mediated high-temperature superconductivity: in search of RTSC
Th-21	Ulugbek Kurbanov	Nanoscale Phase Separation and Coexistence of Insulating, Metallic and Superconducting Phases in Underdoped Cuprates
Th-22	Safarali Djumanov	The Behaviors of the Electronic Specific Heat of High-T _c Cuprates Near the Superconducting and Pseudogap Transition Temperatures.
Th-23	An He	Rectification effect in a nanostructured superconducting film with a square array of antidot triplets
Th-24	Yury Panov	Phase Separation in 2D Spin-Pseudospin Model
Th-25	Yang Liu	A Factor Governing the Ceiling of Optimal T _c of diverse high T _c superconductors
Th-26	Motoharu Kitatani	Why T _c is So Low in High-T _c Cuprates: the Importance of the Dynamical Vertex Structure
Th-27	Mi Jiang	Relevance of atomic multiplet structure to models of cuprate layers
Th-28	Mi Jiang	d-wave superconductivity in the presence of nearest neighbor Coulomb repulsion
Th-29	Yury Panov	Vortices and Skyrmion-Like States in 2D System of Charged Hard-Core Bosons
Th-30	Zhi Li	Second harmonic generation in the Weyl semimetal TaAs from a quantum kinetic equation
Th-31	Shuiquan Deng	“Flat/Steep” Band Model for Superconductivity
Th-32	Chunfang Zhang	Theoretical Insights into Potassium Hydride Formation in Potassium Aromatic Systems



Th-33	Sylvia Golab	Superconductivity of A ₂ Bi ₂ Compounds (A=Rb, Cs, Ca): the Role of Bi and the Influence of the Spin-Orbit Coupling.
Th-34	Jose Antonio Verges	Prediction of a Metallic Phase for Tricesium Pentacene Compound
Th-35	Yuekun Niu	A Dynamical Mean-Field Study of Orbital-Selective Mott Phase Enhanced by Next-Nearest Neighbor Hopping
Th-36	Sanjeev K. Verma	Angular Superconducting Gap in YBa ₂ Cu ₃ O _{7-δ}
Th-37	Irwan Ramli	Density Functional Theory Simulation of Spin Distribution Perturbed by Muon in YBa ₂ Cu ₃ O ₆
Th-38	Han-Ting Wang	Quasi-particle Density of States in Bi ₂ Sr ₂ CaCu ₂ O _{8+δ} Extracted with the Maximum Entropy Method
Th-39	Xi Chen	Simulation of the NMR Response of Cuprates Above and Below the Superconducting Temperature
Th-40	Vasily Shaginyan	Physics of high-T _c overdoped copper oxides
Th-41	Taiki Matsushita	Strain-induced spin/charge supercurrent flow in Dirac/Weyl superconductor
Th-42	Rina Tazai	Mechanism of Fully Gapped Superconductivity Mediated by MultiPole Fluctuations: Important Roles of Strong Spin-Orbit Interaction
Th-43	Wei-Liang Qian	A holographic superconductor in higher derivative gravity theory
Th-44	Priyo Adhikary	Superconductivity from valence fluctuations
Th-45	Safarali Djumanov	Bosonization of Cooper Pairs and Novel Bose-liquid Superconductivity in High-T _c Cuprates
Th-46	Shota Kanasugi	Ferroelectric-like Order in Spin-Orbit-Coupled Superconductors
Th-47	Roman Mints	Quantization of Electronic Excitations in Vortex Core: Semi-Classical Approach
Th-48	Jiangfan Wang	Covariant gaussian approximation in Ginzburg–Landau model
Th-49	Shuntaro Sumita	Unconventional superconducting gap structure protected by space group symmetry

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Th-50	Hong-Ji Wang	A New Theory of Superconducting Materials and Superconducting Mechanisms
Th-51	Wen Huang	Two recent results on the theories of the superconducting Sr_2RuO_4
Th-52	Evgeny Mazur	The superconducting transition temperature in two-band electron-phonon system with interband pairing
Th-53	Keisuke Mitsumoto	Simultaneous Phase Transitions of Superconductivity and Electric Hexadecapole in Iron Pnictide $\text{Ba}(\text{Fe}_{1-x}\text{Co}_x)_2\text{As}_2$
Th-54	Oleg Dolgov	The Electron-Phonon Interaction with Forward Scattering Peak in FeSe on SrTiO_3
Th-55	Rong Li	Local Quantum Order Induced Hole Transport in High-temperature Cuprate Superconductors
Th-56	Yuki Nagai	Time-reversal and/or translational symmetry breaking in d-wave nano-superconductors
Th-57	Wenxin Ding	A Strange Metal from Gutzwiller correlations: Transverse Transport, Optical Response and Rise of Two Relaxation Rates
Th-58	Huaisong Zhao	Pseudogap-generated a coexistence of Fermi arcs and Fermi pockets in cuprate superconductors
Th-59	Lin Li	Rashba-induced Kondo screening of a magnetic impurity in two-dimensional superconductor
Th-60	Jia-Cheng He	Theoretical Formalism of Andreev Reflection Spectroscopy for Three-dimensional Triplet Pairing Superconductors
Th-61	Jinhuan Jiang	Magnetic-interaction-induced superconductivity in metals
Th-62	Jinhuan Jiang	High-TC superconductivity induced by magnetic interactions
Th-63	Jamie Booth	Towards a Standard Model for Condensed Matter Physics: From Peierls and Mott to High T_c Superconductivity
Th-64	Aabhaas Vineet Mallik	Surprises in the t-J model: Implications for cuprates
Th-65	Henri Menke	Spin-orbit coupling and time-reversal symmetry breaking in a multiband superconductor
Th-66	Henri Menke	Non-hermitian topological quantum wires with balanced gain and loss
Th-67	Yiqun Liu	Electronic Structure of Bilayer Cuprate Superconductors



Th-68	Xingchuan Zhu	Pairing Symmetry of Interacting Fermions on Twisted Bilayer Graphene Superlattice
Th-69	Shuning Tan	Autocorrelation of Quasiparticle Excitation Spectral Intensities and Its Connection with Joint Density of States in Cuprate Superconductors
Th-70	Alejandro Mezio	Effect of the Hund's rule and orbital anisotropy in the two-band Hubbard model: a finite-temperature slave-spin treatment
Th-71	Bin Liu	Pairing symmetry determined by local density of states around impurities in heavy-fermion superconductors
Th-72	Lukas Schwarz	Theory of Higgs Spectroscopy for Superconductors in Nonequilibrium
Th-73	Yiming Wang	Theoretical study on the phonon softening in iron-based superconductors
Th-74	Weiqiang Chen	Nodeless gap induced by proximity effect in monolayer CuO ₂ on BSCCO substrate
Th-75	Yingping Mou	Doping and Momentum Dependence of Pairing Interactions in Cuprate Superconductors
Th-76	Jin Mo Bok	Exciton condensation temperature and odd frequency pairing in a transition metal dichalcogenide 1T-TeSe ₂
Th-77	Jiangdi Fan	Introspection of Mechanism Theories of Superconductivity
Th-78	Dawei Yao	The driving mechanism and the form of the orbital order in the iron-based superconductors
Th-79	Ling Qin	absence of the asymmetry in phase diagram
Th-80	Masahiko Hayashi	Fluctuation Effects on the Phase Diagram of Cuprate High-T _c Superconductors Based on the t-J Model
Th-81	Zhihao Geng	Magnetic Field dependent Raman Response in Over-electron-doped Cuprates
Th-82	Shun Tamura	Theory of proximity effect in dxy-wave superconductor with Rashba spin-orbit interaction
Th-83	Shengtao Jiang	Non-Fermi Liquid Scattering Against Emergent Bose Liquid: Manifestations in the Kink and Other Exotic Quasiparticle Behaviors in the Normal-State Cuprate
Th-84	Chandan Setty	Inequivalence of the zero-momentum Limits of Transverse and Longitudinal Dielectric Response in the Cuprates

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Th-85	Xianxin Wu	Substrate-supported triplet superconductivity in Dirac semimetals
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Poster size: 90 cm [35 in] (width) x 120 cm [47 in] (length)		
Poster Presentation Date	Set up after	Take down before
Monday, August 20	07:30 on Monday	18:00 on Monday
Tuesday, August 21	07:30 on Tuesday	18:00 on Tuesday
Wednesday, August 22	07:30 on Wednesday	18:00 on Wednesday
Thursday, August 23	07:30 on Thursday	18:00 on Thursday
If you did not take down your poster after 18:00 at the presentation day, your posters will be disposed by conference organizers.		