

Time	Forum	Room E107-E108	Room E104-E105	Room E103	Ruby Lounge and Room E102
Monday 25 July					
08.30 – 08.45	Welcome and opening				
	Plenary session MonP				
	Session Chair: Hannah Hallas				
08.45 – 09.30	Hae Young Kee (University of Toronto): <i>Kitaev Materials</i>				
09.30 – 10.15	Nicola Spaldin (ETH Zurich): <i>Hidden magnetoelectric multipoles</i>				
			Coffee break		
	Parallel sessions MonPA1				
	Focus session: AdS/CF ₁ correspondence for correlated electron systems. Session Chair: Erik van Heumen	Quantum magnetism (1): Kitaev spin liquid physics. Session Chair: Kwang-Yong Choi	Strong correlations in Dirac and Weyl systems Session Chair: Frank Kruger	Multiferroics and related materials. Session Chair: Kee-Hoon Kim	
10.45 – 11.00	Johanna Erdmenger (University of Würzburg): <i>Turbulent hydrodynamics in strongly correlated Kagome metals</i>	Natalia Perkins (University of Minnesota): <i>Non-Loudon-Fleury Raman scattering in spin-orbit coupled Mott insulators</i>	Young-Woo Son (Korea Institute for Advanced Study): <i>Effects of Coulomb interactions in Dirac and Weyl semimetals in two-dimensional crystals</i>	Sándor Bordács (Budapest University of Technology and Economics): <i>Detection and manipulation of antiferromagnetic orders via the magnetoelectric effect</i>	
11.00 – 11.15	Mark Golden (University of Amsterdam): <i>Momentum dependent scaling exponents of cuprate strange-metal self energies: ARPES meets semi-holography</i>	Fazel Tafti (Boston College): <i>Tuning competing interactions in Kitaev magnets via topochemical reactions</i>	Qimiao Si (Rice University): <i>Weyl-Kondo semimetals and their symmetry-based design</i>	Sergey Artyukhin (Italian Institute of Technology): <i>Topologically protected unidirectional magnetoelectric switching in a multiferroic</i>	
11.15 – 11.30					
11.30 – 11.45					
11.45 – 12.00	Arata Tanaka (Hiroshima University): <i>Planckian metallic state in the two-dimensional Hubbard model</i>	Aprem Joy (University of Cologne): <i>Dynamics of Visons and Thermal Hall effect in Perturbed Kitaev Models</i>	Mario Modia Piva (Max Planck Institute for Chemical Physics of Solids, Dresden): <i>Pressure-tuning the magnetic noncentrosymmetric Weyl semimetals CeAlSi and CeAlGe</i>	Marine Verelleis (Synchrotron SOLEIL): <i>Strength and temperature range enhancement of electromagnon in CuO under pressure</i>	
12.00 – 12.15	Jan Zaanen (Leiden University): <i>Quantum supreme matter: the strange metals according to holography</i>	Etienne Lefrançois (University of Sherbrooke): <i>Evidence of a Phonon Hall Effect in the Kitaev Spin Liquid Candidate α-RuCl₃</i>	Siobhan Tobin (University of Oxford): <i>Spin dynamics and topological nature of the semimetal YbMnSb₂</i>	Sanne Kristensen (High Field Magnet Laboratory, Radboud University): <i>Exploration of multiferroic quantum phase transition in TbMnO₃</i>	
12.15 – 12.30		Kyusung Hwang (Korea Institute for Advanced Study): <i>Identification of a Kitaev Quantum Spin Liquid by Magnetic Field Angle Dependence</i>	Maarten van Delft (Radboud University): <i>Sondheimer oscillations as a probe of non-phonic flow in WP2 crystals</i>	Ryunosuke Takahashi (University of Hyogo): <i>Optically-induced magnetization switching in NiCo₂O₄ thin films</i>	
			Lunch break		
13.30 – 13.45					Poster session MonPO1
13.45 – 14.00					Poster numbers 1 to 104
14.00 – 14.15					
14.15 – 14.30					
14.30 – 14.45					
14.45 – 15.00					
15.00 – 15.15					
			Coffee break		
	Parallel sessions MonPA2				
	Heavy Fermions (1). Session Chair: William Knafo	Quantum Magnetism (2): 2-D frustrated magnets. Session Chair: Toru Sakai	Low dimensional materials and devices with strong correlations. Session Chair: Corentin Morice		
15.45 – 16.00	Jonathan Dentinger (Lawrence Berkeley National Laboratory): <i>Temperature evolution of electronic structures of paradigm Ce 4f and U 5f materials</i>	Quentin Barthélemy (University of Paris, University of Sherbrooke): <i>Specific heat of the kagome antiferromagnet herbertsmithite in high magnetic fields</i>	Chuan Li (University of Twente): <i>Axion electrodynamics induced e/4 fractional charge of a superconducting vortex</i>		
16.00 – 16.15					
16.15 – 16.30	Cristian Batista (Oak Ridge National Laboratory): <i>A microscopic Kondo lattice model for the heavy fermion antiferromagnet CeIn₃</i>	Julio Larrea Jimenez (University of Sao Paulo): <i>Exotic critical points in a pure spin system SrCu₂(BO₃)₂</i>	Mucio Continentino (Centro Brasileiro de Pesquisas Fisicas): <i>Thermoelectric properties of topological chains coupled to a quantum dot</i>		
16.30 – 16.45			Hikaru Watanabe (RIKEN Center for Emergent Matter Science): <i>Magnetic photocurrent response assisted by quantum geometry in solid</i>		
16.45 – 17.00	Marcin Raczkowski (University of Würzburg): <i>Zooming in on heavy fermions in Kondo lattice models</i>	Kamil Kolincio (Gdansk University of Technology): <i>Spin chirality induced by thermal fluctuations</i>	Marta Gilbert (Vienna University of Technology): <i>Critical length scales at metal-insulator and magnetic oxide interfaces</i>		
17.00 – 17.15	Georg Poelchen (ESRF, Grenoble): <i>Surface interlayer coupling with a 2D Kondo lattice and bulk underdamped spin excitations in CeCo₂P₂</i>	Kirill Povarov (ETH Zurich): <i>Directly Probing S=1/2 Chain Spinon Backscattering with Electron Spin Resonance</i>			
17.15 – 17.30	Ernst Bauer (Vienna University of Technology): <i>Low temperature magnetic instabilities in the ternary Kondo lattice YbPtSb₂</i>	Michel Kenzelmann (Paul Scherrer Institute): <i>Quantum fluctuations and tunable magnetic excitations in the two-dimensional honeycomb materials YbBr₃ and ErBr₃</i>	Jasper van Wezel (University of Amsterdam): <i>Coexisting charge-ordered states with distinct driving mechanisms in monolayer VSe₂</i>		
17.30 – 17.45	Jeroen Custers (Charles University Prague): <i>Studying the interplay of Magnetism and Superconductivity in the Heavy Fermion Compound Ce₃PtIn₁₁</i>	Kotaro Shimizu (University of Tokyo): <i>Phase degree of freedom and topological properties in multiple-Q spin textures</i>	Steffen Wirth (Max-Planck Institute for Chemical Physics of Solids, Dresden): <i>Scanning tunneling microscopy and spectroscopy on rare-earth hexaborides</i>		
				Sponsored session MonSP	
				Technical Innovation	
				Session Chair: Mark Golden.	
18.00 – 18.10				Welcome and Introduction	
18.10 – 18.30				Laura Folkers (STCE & Cie GmbH): <i>X-ray diffraction as a useful tool to research strongly correlated electron systems</i>	
18.30 – 18.50				Hannes Kuehne (Helmholtz-Zentrum Dresden-Rossendorf): <i>Two-axis rotator "Rotax": Out of the lab – for the lab</i>	
18.50 – 19.10				Stefan Böttcher (SPECS Surface Nano Analysis GmbH): <i>New Developments in Deflector Analyzer Technology for ARPES</i>	
19.10 – 19.30				Rik Groenen (DEMCON TSST BV): <i>Customised system solutions for thin film research</i>	

Plenary (45 min)

Invited (30 min)

Contributed (15 min)

Posters

Sponsored invited

Time	Forum	Room E107-E108	Room E104-E105	Room E103	Ruby Lounge and Room E102
Tuesday 26 July					
	Plenary session TuesPL Session Chair: Priscila Rosa				
08.45 – 09.30	Vidya Madhavan (University of Illinois Urbana Champaign): <i>Edge states and Charge density wave orders in UTe2</i>				
09.30 – 10.15	Youichi Yanase (Kyoto University): <i>Parity transition, parity violation, and topological superconductivity in UTe2 and CeRh2As2</i>				
	Coffee break				
	Parallel sessions TuesPA1				
	Theoretical models for strong correlations (1) Session Chair: Nicola Spaldin	Unconventional superconductivity (1). Session Chair: André Strydom	Quantum phase transitions and quantum critical points (1). Session Chair: Mucio Continentino	Non-equilibrium phenomena in strongly correlated systems (1). Session Chair: Lea Santos	
10.45 – 11.00	Yukitoshi Motome (University of Tokyo): <i>Kitaev spin liquid materials as a Majorana platform</i>	Seunghyun Khim (Max-Planck Institute for Chemical Physics of Solids): <i>Muon spin relaxation (μSR) studies on the heavy-fermion superconductor CeRh2As2</i>	Matthew Cook (University College London): <i>Magnetotransport of pyrochlore spin ice Sm2/2O7 across the pressure-induced quantum-critical phase boundary</i>	Maria Carolina de Oliveira Aguiar (Federal University of Minas Gerais): <i>Quench dynamics and relaxation of a spin coupled to interacting leads</i>	
11.00 – 11.15		Lev Levitin (Royal Holloway University of London): <i>Interplay of superconductivity and magnetism in YbRh2Si2</i>			
11.15 – 11.30	Roser Valenti (University of Frankfurt): <i>Topological phases in kagome-based materials</i>	Dai Aoki (Tohoku University): <i>Electronic states and superconductivity in UTe2</i>	Kee-Hoon Kim (Seoul National University): <i>Pressure-induced quantum critical point of strong coupling charge density wave order in a 2H-Pd0.05TaSe2 superconductor</i>	Jingwen Li (ETH Zurich): <i>Light-induced magnetization dynamics in a ferromagnetic semiconductor</i>	
11.30 – 11.45			Cornelius Krellner (Goethe University Frankfurt/Main): <i>Isotopically pure YbRh2Si2 single crystals with 171Yb, 173Yb, and 174Yb</i>	Satoshi Ejima (University of Greifswald): <i>Photoinduced phase transitions in one-dimensional Mott insulators</i>	
11.45 – 12.00	Ryota Ono (Italian Institute of Technology): <i>Computing exchange anisotropy in a half-filled eg system from Wannier tight-binding model</i>	Jean-Pascal Brison (Univ. Grenoble Alpes, CEA, IRIG-Phelias): <i>Field-induced superconducting phases in UTe2</i>	Devashibhai Adroja (Rutherford Appleton Laboratory): <i>Quantum Critical Spin-Liquid in Geometrically Frustrated Kagome Lattice Investigated by Muon Spin Relaxation and Neutron Scattering</i>	Houda Koussir (University of Lille): <i>Volatile and non-volatile insulator-to-metal transition in narrow gap Mott insulator GaMn4S8</i>	
12.00 – 12.15	Purevdorj Munkhbaatar (Jeonbuk National University): <i>Theory of infrared absorption and Raman spectroscopy for orbital wave</i>	Atsushi Miyake (University of Tokyo): <i>First-order metamagnetic transition in UTe2 studied by magnetoresistivity measurements</i>	Stephen Julian (University of Toronto): <i>Peering past spin density wave order at quantum criticality in SrRu2O7</i>	Kacper Wrzesniewski (Adam Mickiewicz University): <i>Dynamical quantum phase transition in a mesoscopic superconducting system</i>	
12.15 – 12.30	Ryota Iwazaki (Saitama University): <i>Spin-orbital dynamics of localized electrons</i>	Kenji Ishida (Kyoto University): <i>Spin-susceptibility behavior in Uranium-based Superconductor UTe2 investigated with Knight-shift measurements</i>	Natalia Chepur (Delft University of Technology): <i>From SU(2)₅ to SU(2)₃ Wess-Zumino-Witten transitions in a frustrated spin-S/2 chain</i>	Chia-Jung Yang (ETH Zurich): <i>Critical slowing down of fermionic quasiparticles in YbRh2Si2 by terahertz time-domain spectroscopy</i>	
	Lunch break				
13.30 – 13.45					Poster session TuesPO2
13.45 – 14.00					Poster numbers 105 to 202
14.00 – 14.15					
14.15 – 14.30					
14.30 – 14.45					
14.45 – 15.00					
15.00 – 15.15					
	Coffee break				
	Parallel sessions TuesPA2				
	MITs in strongly correlated systems. Session Chair: Matthe Grosche	Focus Session: UTe2. Session Chair: Kenji Ishida	Unconventional superconductivity (2). Session Chair: Sven Badoux		
15.45 – 16.00	Kazushi Kanoda (University of Tokyo): <i>Pressure-induced BEC-BCS crossover in a doped spin liquid candidate</i>	Priscila Rosa (Los Alamos National Laboratory): <i>Single thermodynamic transition at 2 K in superconducting UTe2 single crystals</i>	Jake Ayres (University of Bristol): <i>Incoherent Transport and the Evolution of Power-Law Scaling of the Magnetoresistance in Cuprate Superconductors</i>		
16.00 – 16.15					
16.15 – 16.30	Martin Dressel (Universität Stuttgart): <i>Electrodynamics at the Mott transition: the disappearance of Landau's quasiparticles</i>	Katsuki Kinjo (Kyoto University): <i>NMR study of magnetic and superconducting properties on UTe2 under pressure</i>	Catherine Pepin (IphT, CEA-Paris-Saclay): <i>Charge orders and strange metal in cuprate superconductors</i>		
16.30 – 16.45	Claude Ederer (ETH Zurich): <i>Charge disproportionation and "Hund's insulating" behavior in different transition metal oxides by DFT-DMFT</i>	Georg Knebel (CEA Grenoble): <i>High pressure properties of UTe2</i>			
16.45 – 17.00	Tanusri Saha-Dasgupta (S. N. Bose National Centre): <i>Nickelates: A Tale of Two Stories</i>	Stéphane Raymond (CEA-Grenoble): <i>Magnetic excitation spectrum of the unconventional superconductor UTe2</i>	Dalia Bounoua (Université Paris-Saclay, CNRS-CEA): <i>Hidden magnetic texture in the pseudogap phase of high-Tc YBaCuO3:6.6</i>		
17.00 – 17.15			José Lorenzana (Istituto dei Sistemi Complessi, CNR): <i>Mimicking cuprates with silver and fluorine</i>		
17.15 – 17.30	Henrik Jacobsen (University of Copenhagen): <i>Magnetically induced metal-insulator transition in Pb2CaOsO6</i>	Shanta Saha (University of Maryland): <i>Recent development in the spin-triplet superconductor UTe2</i>	Haoyu Hu (Rice University): <i>Unconventional and high-Tc superconductivity from Fermi surface fluctuations in strongly correlated metals</i>		
17.30 – 17.45	Liu Hao Tjeng (Max Planck Institute for Chemical Physics of Solids): <i>Orbital imaging of the spin state transition in LaCoO3</i>	Riku Yamamoto (Los Alamos National Laboratory): <i>NMR studies of local magnetism in UTe2 under pressure</i>	Caitlin Duffy (High Field Magnet Laboratory, Redboud University): <i>Current pulses, critical currents, and cuprates: a novel means of exploring the ground state</i>		

Plenary (45 min)

Invited (30 min)

Contributed (15 min)

Posters

Time	Forum	Room E107-E108	Room E104-E105	Room E103	Ruby Lounge and Room E102
Wednesday 27 July					
Plenary session WedP1. Session Chair: Qimiao Si					
08.45 – 09.00	SCES 2022 Prize Ceremony Chair: Hisatomo Harima				
09.00 – 09.30	Bernard Coqblin prize winner. Pascoal Pagliuso (IFGW-Unicamp): Electron Spin Resonance in SCES materials and the SCES 2020/21 conference: Two hard tasks in my career				
09.30 – 10.15	Je-Geun Park (Seoul National University): New materials platform for two-dimensional magnetism and strong correlation studies: van der Waals magnets				
Coffee break					
Parallel sessions WedPA1					
Materials design and advanced Materials. Session Chair: Tanusri Saha-Dasgupta		Quantum phase transitions and quantum critical points (2). Session Chair: Sven Friedemann	Low dimensional materials with strong correlations. Session Chair: Jasper van Wezel	Strong correlations in actinides. Session Chair: Jeroen Custers	
10.45 – 11.00	Bryan R. Coles prize winner. Alannah Hallas (University of British Columbia): Entropy engineering and tunable magnetic order in the spinel high entropy oxide	Sooyeon Shin (Paul Scherrer Institute): Field-induced quantum critical behavior in topological antiferromagnet CePtAlGe ₂	Siddarth Saxena (University of Cambridge): Emergent Magnetic and Electronic Phases in Pressure-Tuned van der Waals Antiferromagnets	Marie-aude Measson (Institut Néel, Grenoble): Kondo anisotropy in URu ₂ Si ₂	
11.00 – 11.15		Bryan Viss (Technical University of Vienna): Pressure tuned quantum phase transition in Fe(Ga _{1-x} Gex) ₃			
11.15 – 11.30	Silke Buehler-Paschen (Technical University of Vienna): Weyl-Kondo semimetals: Ce ₃ Bi ₄ Pd ₃ and beyond	Andreas Wendl (Technical University of Munich): Mesoscale Quantum Phase Transitions in LiHoF ₄	Rüdiger Klingeler (Heidelberg University): Uniaxial pressure effects, magnon excitations and the emerging anisotropic nature of short-range order in CrI ₃	Peter Riseborough (Temple University): Orbitally Selective Enhanced Spin-Orbit Coupling in Itinerant Actinides	Plenary (45 min)
11.30 – 11.45		Shiyu Deng (University of Cambridge): Dynamics of the critical phonon modes in quantum paraelectric SrTiO ₃	Björn Salzmann (University of Fribourg): Spontaneous and strain induced metallic phase due to modified interlayer stacking in 1T-TaS ₂	Edwin Herrera Vasco (Universidad Autónoma de Madrid): Quantum-well states at the surface of the heavy fermion URu ₂ Si ₂ .	
11.45 – 12.00	Sarah Krebber (Goethe University, Frankfurt): Search for new europium-based intermetallic 122 materials with non-trivial topological properties	Rebecca Flint (Iowa State University): Two channel Kondo physics in one dimension, algebraic hastic order and remnants of quantum criticality	Jian Liu (University of Tennessee): Emergent phenomena in structurally engineered square-lattice iridates	Hisatomo Harima (Kobe University): Hidden-orders of uranium compounds Andrea Marino (Max Planck Institute for Chemical Physics of Solids): Crystal-field ground state wave function of UGa ₂ probed with Resonant & Non-resonant Inelastic X- ray Scattering	Invited (30 min)
12.00 – 12.15	Matthew Cook (Los Alamos National Laboratory): Single crystal optimization and electrical transport in antiferromagnetic semiconductor EuIn ₂ Si ₆				
12.15 – 12.30	Samikshya Sahu (University of British Columbia): Chemical tuning effects on the extreme magnetoresistance of Dirac nodal arc semimetals	Saheli Sarkar (Karlsruhe Institute of Technology): Quantum criticality on a compressible lattice	Rebecca Cervasio (Paris-Saclay University, Synchrotron SOLEIL): Optical Properties of Superconducting Nd _{0.85} Sr _{0.15} O ₂ NiCl ₂	David Hovancik (Charles University Prague): Alloying-driven transition between ferromagnetism and antiferromagnetism in UTcE compounds: UCo _{1-x} Ir _x Ge	Contributed (15 min)
Lunch break					
Parallel sessions WedPA2					
Unconventional superconductivity (3). Session Chair: Hermann Suderow		Focus session: Orbital Kondo effect. Session Chair: Marie-aude Measson	Non-equilibrium phenomena in strongly correlated systems (2). Session Chair: Maria Carolina de Oliveira Aguilar		
13.45 – 14.00	Nevill F. Mott prize winner. Aline Ramires (Paul Scherrer Institute): Unconventional properties of unconventional superconductors: the concept of superconducting fitness	Yong-Baek Kim (University of Toronto): Non-Fermi liquids and quantum criticality in multipolar Kondo Systems	Lea Santos (Yeshiva University): Equilibration time in many-body quantum systems		Posters
14.00 – 14.15					Prize talk (30 min)
14.15 – 14.30	Yuan Cao (Harvard University): Superconductivity in Magic-angle Graphene Family	Andriy Nevidomskyy (Rice University): Quadrupolar Kondo Effect and Generalized Doniach Phase Diagram for Non-Kramers Ions: Praseodymium Heavy Fermion Materials	Dirk Manske (Max Planck Institute for Solid State Research, Stuttgart): Higgs spectroscopy of superconductors		
14.30 – 14.45		Takahiro Onimaru (Hiroshima University): Two-channel Kondo problem in non- Kramers doublet systems	Hector Pablo Ojeda Collado (Sapienza University of Rome): Emergent dynamical phases in periodically driven BCS systems		
14.45 – 15.00	Anushree Datta (Instituto de Ciencia de Materiales de Madrid): Accuracy of moiré Wannier function models for twist bilayer graphene		Kristin Klemm (Goethe University Frankfurt): Exchange scaling of ultrafast angular momentum transfer in 4f antiferromagnets		
15.00 – 15.15	Koen Bastiaans (Delft University of Technology): Direct evidence for Cooper pairing without a spectral gap in a disordered superconductor above T _c	Philipp Gegenwart (University of Augsburg): Symmetrized quadrupolar expansivity as sensitive probe of the quadrupolar Kondo effect: diluted Pr _{1-x} R _{2x} N ₂ O	Girish Settur (Indian Institute of Technology, Guwahati): Non-chiral bosonization of strongly inhomogenous Luttinger liquids driven out of equilibrium		
Coffee break					
Parallel sessions WedPA3					
Theoretical models for strong correlations (2). Session Chair: Philippe Corboz		CEF effects and multipolar ordering in SCES. Session Chair: Stephen Julian	Quantum Magnetism (3): Emergent magnetic quasiparticles. Session Chair: Katia Pappas		
15.45 – 16.00	Olivier Parcollet (Flatron Institute, Université Paris-Saclay): Planckian Metal at a Doping-Induced Quantum Critical Point	Tatsuya Yanagisawa (Hokkaido University): Electric Quadrupolar Response in the Magnetic Phases of UNi ₄ B	Hyeonsik Cheong (Sogang University): Optical Spectroscopy of 2-Dimensional van der Waals Antiferromagnets		
16.00 – 16.15					
16.15 – 16.30	Vikram Tripathi (TIFR Mumbai): Quasiparticle metamorphosis in a doped random J-J model: a many-body localization perspective	Femke Bangma (High Field Magnet Laboratory, Radboud University): Hyperfine interactions and antiferroquadrupolar order: their role in PrOs ₄ Sb ₁₂	Haijing Zhang (Max Planck Institute for Chemical Physics of Solids): Observation of the Rashba-driven anomalous Hall effect in an antiferromagnetic metal		
16.30 – 16.45			Johanna Jochum (Technical University of Munich): Large topological Hall effect from fluctuating Skyrmion textures		
16.45 – 17.00	Piotr Wrzosek (University of Warsaw): The fate of the spin polaron in the 1D J-J model	Dmytro Inosov (Technical University of Dresden): Field-space anisotropy of magnetic phases and excitations in cubic Ce ₃₊ compounds	Paul Goddard (University of Warwick): Scattering from magnetic monopoles and antiferromagnetic domain manipulation in a frustrated pyrochlore iridate		
17.00 – 17.15	Blaise Goutéraux (Ecole Polytechnique): Charge transport in pinned, gapless charge density waves	Yosuke Arai (University of Tokyo): Multipole polaron in the devil's staircase of CeSb			
17.15 – 17.30	Caithlin Walsh (Royal Holloway University of London): Information-theoretic measures of superconductivity in a two-dimensional doped Mott insulator	Leonid Pourousski (CNRS, Ecole Polytechnique): Hidden order, magnetic excitations and multipolar exchange striction in neptunium dioxide	Flavien Museur (Université Grenoble Alpes - Institut Néel): New fragmented state in pyrochlore ruthenate Ho ₂ Ru ₂ O ₇		
17.30 – 17.45	Boris Ponsioen (University of Amsterdam): Automatic differentiation applied to excitations with projected entangled-pair states	Sophie de Brion (Institut Néel, Grenoble): From spin ices to quadrupolar ices: the enigmatic case of the magnetic pyrochlore Tb ₂ Ti ₂ O ₇	Evgenii Barts (University of Groningen): Magnetic particles and strings in iron langasites		
18.00 – 22.00	Canal cruise and conference dinner				

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Friday 29 July					
	Plenary session FriPL Session Chair: Silvio Buehler-Paschen				
08.45 – 09.30	Cristiane de Moraes Smith (Utrecht University); <i>Topological properties at fractal dimensions</i>				
09.30 – 10.15	Peter Lijerth (Aalto university); <i>Designer quantum states in van der Waals heterostructures</i>				
	Coffee break				
	Parallel sessions FIFPA1				
	Heavy fermions (2). Session Chair: Ernst Bauer	Fermi surfaces and electronic structure (2). Session Chair: Andreas Rost	Correlated topological phases (2). Session Chair: Maarten van Delft	Novel techniques for SCES investigations. Session Chair: Doohee Cho	
10.45 – 11.00	Jonathan Denlinger (Lawrence Berkeley National Laboratory); <i>Anisotropic c-f hybridization in CeRhGe4 and CeCu2S2</i>	Antony Carrington (University of Bristol); <i>Hall effect in overdoped cuprates and its link to Fermi surface reconstruction</i>	Debmalya Chakraborty (Uppsala University); <i>Disorder-robust phase crystal in high-temperature superconductors from topology and strong correlations</i>	Petr Čermák (Charles University Prague); <i>ALSA – Automatic Laue Sample Aligner</i>	
11.00 – 11.15			Marein Rahn (Technical University of Dresden); <i>Topology, colossal magnetoresistance, and complex magnetic domains in Eu5In2Sb6</i>		
11.15 – 11.30	Oliver Squire (University of Cambridge); <i>Quantum critical point in the high-pressure structure of CeSb2</i>	Roemer Hinlopen (University of Bristol); <i>Cascade of Fermi surface reconstructions linked to superconductivity inside the CDW phase of TlSe2</i>	Sarah Greife (Los Alamos National Laboratory); <i>The Weyl-Kondo semimetal: high-harmonic generation and extreme topological tunability</i>	Santiago Grigera (Universidad Nacional de La Plata); <i>Integrating Machine Learning with Neutron Scattering</i>	
11.30 – 11.45	Jan Knapp (Royal Holloway University of London); <i>Electro-nuclear transition in YbRh2S2; evidence for a spin density wave</i>	Andrew Hunter (University of Geneva); <i>Laser ARPES measurements of Sr2RuO4 under uniaxial strain</i>			
11.45 – 12.00	Manuel Brando (Max Planck Institute for Chemical Physics of Solids, Dresden); <i>The multi-phase heavy-fermion superconductor CeRh2As2</i>	Mario Cuoco (CNR-SPIN Salerno); <i>Orbital loop current phase at the surface of Sr2RuO4</i>	Diana Kirschbaum (Vienna University of Technology); <i>Physical properties of Ce3Bi4X3 beyond the X = Pt, Pd case: First study of Ce3Bi4Ni3</i>	Isabel Guillamon (Universidad Autónoma de Madrid); <i>STM at magnetic fields of 20 T: quasiparticle interference and vortex lattices of pnictide superconductors</i>	
12.00 – 12.15		Wingyu Kang (Massachusetts Institute of Technology); <i>Twofold van Hove singularity and origin of charge order in topological Kagome superconductors CsV3Sb5</i>	Diego Zocco (Vienna University of Technology); <i>Effects of hydrostatic pressure on the Weyl-Kondo semimetal candidate CeRu4Sb6</i>		
12.15 – 12.30	Kosuke Nogaki (Kyoto University); <i>Novel parity transition in strongly correlated superconductor: relation to CeRh2As2</i>	Andre Dayenling (Technical University Munich); <i>Electronic structure of CeTAI3 (T=Ag, Au, Cu, Pd, Pt) studied with density functional theory</i>	Elena Gati (Max-Planck-Institute for Chemical Physics of Solids, Dresden); <i>Pressure-induced ferromagnetism in the topological semimetal EuCu2As2</i>	Maximilian Peily (University of St Andrews); <i>Quantum oscillations and magnetostriction in Sr3Ru2O7 studied by a novel capacitive dilatometer</i>	
	Lunch break				
	Conference highlights. Session Chair: Aik McCollam				
13.30 – 13.45	Rebecca Flint (Iowa State University) Theory highlights.				
13.45 – 14.00	Stephen Julian (University of Toronto) Experiment highlights.				
14.00 – 14.15	Closing and announcements.				
14.15 – 14.30	Anne de Visser				

Plenary (45 min)

Invited (30 min)

Contributed (15 min)