

Joint Annual Meeting of SPS and ÖPG 2019

Tuesday, 27 August 2019

Condensed Matter Physics: I: Magnetism - G 95 (14:00 - 16:30)

time	[id] title	presenter
14:00	[205] □101□Spin fluctuation induced Weyl semimetal state in the paramagnetic phase of EuCd ₂ As ₂	Dr MA, Junzhang
14:15	[208] □102□Spin wave modes in Permalloy micro stripes using time-resolved scanning transmission X-ray microscopy	NEY, Andreas
14:30	[337] □103□Spin-orbitronics of wurtzite semiconductors	MATZER, Margherita
14:45	[7] □104□Combining high-resolution Atomic Force Microscopy with Scanning Tunneling Microscopy induced light emission on single molecules	Mrs KAISER, Katharina
15:00	[37] □105□Reduced Density Matrix Functional Theory for Superconductors	Dr BENAVIDES-RIVEROS, Carlos L.
15:15	[277] □106□Multiple Coulomb Phase in the Fluoride Pyrochlore CsNiCrF ₆	Dr FENNELL, Tom
15:30	[184] □107□Spatially resolved thermoelectric effects in semiconductor-metal heterostructures	GÄCHTER, Nadine
15:45	[78] □108□Progressive lifting of the ground-state degeneracy of the long-range kagome Ising antiferromagnet	COLBOIS, Jeanne
16:00	[228] □109□Spin Hamiltonian and Dimensional Reduction in (Ba,Sr)CuSi ₂ O ₆	Mr ALLENSPACH, Stephan

Wednesday, 28 August 2019

Condensed Matter Physics: II: Low-dimensional Systems - G 95 (17:00 - 19:00)

time	[id] title	presenter
17:00	[59] □111□ Spin-Orbital Excitations in CaRuO_4 revealed by Resonant Inelastic X-Ray Scattering	Ms DAS, Lakshmi
17:15	[145] □112□ Disentangling charge and spin excitations and their evolution in the phase diagram of $\text{Bi}_2\text{Sr}_2\text{CaCu}_2\text{O}_{8+x}$ superconducting cuprate	Dr ZHANG, Wenliang
17:30	[155] □113□ High-speed domain wall racetracks in a magnetic insulator	Dr VÉLEZ, Saül
17:45	[202] □114□ Static and dynamic magnetic coupling in $\text{Co}_x\text{Zn}_{1-x}\text{O}$ – Permalloy heterostructures	NEY, Verena
18:00	[234] □115□ $\text{La}_2\text{NiMnO}_6$ thin films grown by off-axis RF magnetron sputtering	DE LUCA, Gabriele
18:15	[229] □116□ Tuning the electronic structure of LaNiO_3 thin films	JANDKE, Jasmin
18:30	[241] □117□ Electron-lattice interaction boost on the verge of metal-insulator transition in oxides	Dr STROCOV, Vladimir
18:45	[245] □118□ Giant Magnetoelectric Response and Cross-Caloric Effect Around a Tetracritical Point in Multiferroic SrMnO_3	EDSTRÖM, Alexander

Thursday, 29 August 2019

Condensed Matter Physics: III: Oxides - G 95 (17:00 - 19:00)

time	[id] title	presenter
17:00	[27] □121□Investigation of topological channels in twisted bilayer graphene	Dr RICKHAUS, Peter
17:15	[28] □122□Temperature dependent photoemission study of the charge-ordered phases in IrTe ₂	Mr RUMO, Maxime
17:30	[183] □123□Van der Waals magnetic materials: growth and characterization	Dr DUMCENCO, Dumitru
17:45	[298] □124□ARPES study of few layer black phosphorus crystals	MARGOT, Florian
18:00	[278] □125□Three Dimensional Lithography on Silicon Nanowire Arrays - An Electrochemical Approach	Dr BOURRET, Gilles
18:15	[282] □126□Optically active nanowires nucleated via a novel focused ion beam implantation method	Dr LANCASTER, Suzanne
18:30	[207] □127□Electrostatically-Defined Quantum Dots in Bilayer Graphene	KURZMANN, Annika
18:45	[226] □128□Imaging Disorder in a Bilayer-Graphene Channel	GOLD, Carolin

Friday, 30 August 2019

Condensed Matter Physics: IV: Optical Phenomena - G 95 (11:15 - 13:45)

time	[id] title	presenter
11:15	[44] □131□μ-fluidic sensing with a quantum cascade lab-on-a-chip	PILAT, Florian
11:30	[279] □132□Theoretical study of the intra-cavity dynamics behind phase locking of quantum cascade laser frequency combs	OPAČAK, Nikola
11:45	[287] □133□Dual-comb spectrometer by single Doppler shifted MIR QCL frequency comb	Dr SHAHMOHAMMADI, Mehran
12:00	[288] □134□Picosecond pulses from mid-infrared quantum cascade lasers	Mr HILLBRAND, Johannes
12:15	[290] □135□Interband and quantum cascade laser frequency combs: From fundamentals towards monolithic spectrometers	SCHWARZ, Benedikt
12:30	[293] □136□Thermoelectrically cooled THz quantum cascade laser operating up to 210 K	BOSCO, Lorenzo
12:45	[62] □137□Ring Interband Cascade Lasers Running in Continuous Mode Operation	KNÖTIG, Hedwig
13:00	[268] □138□Optoelectronic devices based on non-polar ZnO/ZnMgO quantum wells	HINKOV, Borislav
13:15	[300] □139□n-type Ge/SiGe Quantum Cascade Devices for THz Electroluminescence	Mr STARK, David
13:30	[197] □140□Superfluorescence from lead halide perovskite quantum dot superlattices	Mr BECKER, Michael A.