

Correlations in Novel Quantum Materials 2023 (CNQM2023)

Monday, 24 July 2023

Poster Session - 2D5 (16:45 - 19:30)

time	[id] title	presenter
16:45	[105] Correlation spectroscopy for correlated materials	NAMBIAR, Gautam
16:45	[104] Symmetry-enforced Z2 topology	PARSHUKOV, Kirill
16:45	[101] Coexistence of Fermi and Luttinger liquids behavior in one-dimensional entangled spinless fermions	Prof. RINCON, Julian
16:45	[92] Strongly correlated exciton-polarons in twisted homobilayer heterostructures	Prof. AMARICCI, Adriano
16:45	[87] Dipole representation of half-filled Landau level: quantum Hall and its bilayers	Dr PREDIN, Sonja
16:45	[55] Exceptional susceptibilities: How non-Hermitian topology protects correlation-induced phase instabilities	REITNER, Matthias
16:45	[44] Study of linear optical properties of T graphene quantum dots	NAZIR, Arifa
16:45	[32] Landau levels marking topological transitions in bilayer graphene	JACOBSEN, Nils
16:45	[18] Pi-ton vertex corrections in weakly correlated low-dimensional systems	KRSNIK, Juraj
16:45	[15] Driven Hubbard Model on a Triangular Lattice: Tunable Heisenberg Antiferromagnet with Multiple Ordered and Disordered Phases.	SUR, Samudra
16:45	[14] Riemann meets Goldstone: magnon scattering off quantum Hall skyrmion crystals probes interplay of symmetry breaking and topology	CHAKRABORTY, Nilotpal
16:45	[11] Spin and Charge Fluctuation Induced Order in ABCB Tetralayer Graphene	KLEBL, Lennart
16:45	[5] Thermoelectric transport of charged two-dimensional Dirac systems: the role of plasmons	PONGSANGANGAN, Kitinan
16:45	[3] Designing Fractionalized Topological Phases by Quantum Geometry	WANG, Jie
16:45	[68] Synthesis and characterization of carbon quantum dots: comparison with calculation by DFTB+	ESPINOSA VENTURA, Jorge Joe
16:45	[59] Magnetism and metallicity in moiré transition metal dichalcogenides	TSCHEPPE, Patrick
16:45	[25] Spin-Peierls instability of the U(1) Dirac spin liquid	WILLSHER, Josef
16:45	[103] Triangular ad-atom surface lattices as a platform for correlated Hund's physics	MENKE, Henri
16:45	[9] Establishing Coherent Momentum-Space Electronic States in Locally Ordered Materials	Dr MARSAL, Quentin
16:45	[7] Quasi-two-dimensional anisotropic superconductivity in Li intercalated 2H-TaS ₂	Ms AGARWAL, Tarushi
16:45	[53] Superconductivity in Sr ₂ RuO ₄ revisited from a functional renormalization group perspective	HAUCK, Jonas Benedikt
16:45	[60] Field-theoretic functional renormalization group formalism for non-Fermi liquids	BORISSOV, Anton
16:45	[72] How Cosmic Inflation Solves the Magnetic Monopole Problem?	SHREEVASTAVA, Aditi

16:45	[41] Kondo breakdown transitions and phase-separation tendencies in valence-fluctuating heavy-fermion metals	MONTEIRO CONSOLI, Pedro
16:45	[21] Machine Learning Microscopic Form of Nematic Order in twisted double-bilayer graphene	Mr SOBRAL DA SILVA, João Augusto
16:45	[23] Quantics Tensor Cross Interpolation for High-Resolution, Parsimonious Representations of Multivariate Functions in Physics and Beyond	RITTER, Marc
16:45	[64] Planckian scaling of the optical conductivity in the 2D Hubbard model	GRANDADAM, Maxence
16:45	[42] Kondo screening and coherence on the Kagome lattice: Energy scales of the Kondo effect in the presence of flat bands	KOURRIS, Christos
16:45	[62] Unveiling the Significance of Zeroes of the Green's Function in Strongly Correlated Topological Insulators	BLASON, Andrea
16:45	[27] The Mott metal-insulator transition in the two-dimensional Hubbard model - a cellular dynamical mean-field study on large clusters	MEIXNER, Michael
16:45	[2] Antiferromagnetism and spin-orbit interaction driven spin splitting in centrosymmetric hexagonal MnTe	Mr ROOJ, Suman
16:45	[86] Non-local correlations and criticality in the half-filled anisotropic triangular lattice Hubbard model	DE OLIVEIRA, Mário Malcolms
16:45	[85] Kagome chiral spin liquid in transition metal dichalcogenide moiré bilayers	Dr MOTRUK, Johannes
16:45	[73] Time-reversal invariant topological superconductor in the Coulomb blockade regime	BOLLMANN, Steffen
16:45	[78] Electrical transport probes of quantum spin liquids	MAZZILLI, Raffaele
16:45	[22] Magnetic and pairing fluctuations in the gauge theory of the Pseudogap phase	VILARDI, Demetrio
16:45	[40] Quasiuniversality from all-in-all-out Weyl quantum criticality in pyrochlore iridates	MOSER, David Jonas
16:45	[47] Electron correlations and spontaneous symmetry-breaking in twisted bilayer graphene	RAI, Gautam
16:45	[30] Multi-orbital phenomenology within the ghost Gutzwiller approximation	MEJUTO ZAERA, Carlos
16:45	[48] Fermi surface reconstruction and strange metal behavior at a heavy fermion quantum phase transition	GLEIS, Andreas
16:45	[20] Enhanced Superconducting Diode Effect due to coexisting Phases	BANERJEE, Sayan
16:45	[10] Exceptionally enhanced topological superconductivity	AROUCA, Rodrigo
16:45	[61] Phonon-mediated local Kekulé distortion turns twisted bilayer graphene into topological Mott insulators and superconductors	BLASON, Andrea
16:45	[77] Fundamental laws of chiral band crossings: local constraints, global constraints, and topological phase diagrams	ALPIN, Kirill
16:45	[36] Cluster Extension of DMF2RG	KRÄMER, Marcel
16:45	[54] van Hove, Rashba, and Hubbard meet to form first-order and higher-order topological superconductors	BONETTI, Pietro Maria
16:45	[65] Dynamical fluctuations theory of correlated topological insulators	PAOLETTI, Francesca
16:45	[50] Coherence and pairing fluctuations in strongly correlated superconductors	WITT, Niklas
16:45	[71] PT-symmetric non-Hermitian superconductivity	KORNICH, Viktoriia
16:45	[35] Single-boson-exchange functional renormalization group and its application to the Hubbard model	FRABOULET, Kilian

16:45	[24] Magnetism in the two-dimensional dipolar XY model	SBIERSKI, Björn
16:45	[56] Kohn-Luttinger-like mechanism for CDW	BRAUN, Hannes
16:45	[89] Quantum phase transitions in non-Hermitian PT-symmetric Ising spin chains	Dr STARKOV, Grigorii A.
16:45	[26] Dragging of Berry curvature in ferromagnetic Weyl semimetals NiMnSb and PtMnSb	Ms GARCÍA-PAGE, Ana
16:45	[1] Kondo Non-Abelian Anyons	LOTEM, Matan
16:45	[95] Disorder effects in the Kitaev-Heisenberg model	SINGHANIA, Ayushi
16:45	[12] The zoo of states in the two-dimensional Hubbard model	SCHOLLE, Robin
16:45	[38] Efficient fRG Flow Equations for Extended Interactions and an Application to the Square and Triangular Lattices	AL-ERYANI, Aiman
16:45	[37] Pseudogap opening in the Hubbard model at strong coupling	PATRICOLO, Miriam
16:45	[80] Quantum restoration of Symmetry Protected Topological phases	Mr TIWARI, Dhruv
16:45	[6] Twisted bilayer graphene at charge neutrality: competing orders of SU(4) Dirac fermions	PARTHENIOS, Nikolaos
16:45	[29] Absence of electron-phonon-mediated superconductivity in hydrogen-intercalated nickelates	Dr DI CATALDO, Simone
16:45	[16] Larmor precession in strongly correlated itinerant electron systems	VAN LOON, Erik
16:45	[8] Possible quantum phases in infinite-layer nickelates	Dr OLES, Andrzej M.