

Joint Annual Meeting of SPS and ÖPG 2019

Tuesday, 27 August 2019

MaNEP: Correlations and topology in quantum matter: I: Dynamics, magnetism and topology - G 85 (14:00 - 16:30)

time	[id] title	presenter
14:00	[82] □601□Novel families of SU(N) AKLT states with arbitrary self-conjugate edge states	Mr GOZEL, Samuel
14:15	[130] □602□Generating multiple universality classes and nodal loops in Chern insulators by periodic driving	Mr MOLIGNINI, Paolo
14:30	[165] □603□Localization properties of the interpolating Aubry-André-Fibonacci model	ŠTRKALJ, Antonio
14:45	[203] □604□4D topology in a dynamical 2D system	PETRIDES, Ioannis
15:00	[233] □605□Novel structural and electronic phases of 2D transition metal dichalcogenides	Prof. YAZYEV, Oleg V.
15:30	[270] □606□Discovery and engineering of new topological quantum materials	SCHRÖTER, Niels B. M.
15:45	[97] □607□Tunable Berry Curvature Through Magnetic Phase Competition in a Topological Kagome Magnet	GUGUCHIA, Zurab
16:00	[85] □608□Do topology and ferromagnetism cooperate at the EuS/Bi ₂ Se ₃ interface?	KRIEGER, Jonas A.
16:15	[151] □609□Ultrafast dynamics of the magnetic fluctuations in the spin-chain CuGeO ₃	PARIS, Eugenio

MaNEP: Correlations and topology in quantum matter: II: Topological band structures - G 85 (17:00 - 19:00)

time	[id] title	presenter
17:00	[4] □611□Experimental results on the predicted Weyl semimetal PrAlGe	Mr DESTRAZ, Daniel
17:15	[88] □612□Low-energy band structure of Weyl-II candidate MoTe ₂ : a view from infrared spectroscopy	Prof. AKRAP, Ana
17:30	[109] □613□Spin reorientation in ferromagnetic type-II Weyl Fe ₃ Sn ₂	KUMAR, Neeraj
17:45	[101] □614□A comparative photoemission spectroscopy and scanning tunneling microscopy study of the topological material ZrTe ₅	SALZMANN, Björn
18:00	[242] □615□Fractional corner charges in spin-orbit coupled crystals	Ms BRZEZIŃSKA, Marta
18:15	[214] □616□Hopf Insulators: Localized Representation and Observable Phenomena	NELSON, Aleksandra
18:30	[157] □617□High-Pressure Growth of the Newly Predicted Quantum Spin Hall Insulator Pt ₂ HgSe ₃	Dr GIANNINI, Enrico
18:45	[276] □618□Emergent topology in a 3D Kane-Mele system: Pt ₂ HgSe ₃	CUCCHI, Irène

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MaNEP: Correlations and topology in quantum matter: III: Heterostructures and van der Waals materials - G 85 (14:00 - 16:30)

time	[id] title	presenter
14:00	[144] □621□Strain-controlled dimensionality of interface metallicity in LaVO ₃ /LaTiO ₃ multilayers	BECK, Sophie
14:15	[355] □622□LaVO ₃ Thin Films under Epitaxial Strain	MELEY, Hugo
14:30	[103] □623□A laser-ARPES study of LaNiO ₃ thin films grown in-situ by sputter deposition	CAPPELLI, Edoardo
14:45	[61] □624□High sensitivity variable-temperature infrared nanoscopy of conducting oxide interfaces	LUO, Weiwei
15:00	[291] □625□Transport in sub-micrometric devices at the LaAlO ₃ /SrTiO ₃ interface	Ms BOSELLI, Margherita
15:15	[199] □626□Quantum Rings with Broken Symmetries	MANNHART, Jochen
15:45	[227] □627□Semiconducting van der Waals Interfaces as Artificial Semiconductors	Mr PONOMAREV, Evgeniy
16:00	[231] □628□Anomalous Hall Effect in the Quantum Limit in Exfoliated Crystals of the Layered Antiferromagnet Co _{1/3} NbS ₂	Ms TENASINI, Giulia
16:15	[257] □629□Electrically-tunable flat bands and magnetism in twisted bilayer graphene	WOLF, Tobias

MaNEP: Correlations and topology in quantum matter: IV: Superconductors and parent electronic structures - G 85 (17:00 - 19:00)

time	[id] title	presenter
17:00	[232] □631□Spin-orbit coupling and self energies in Sr ₂ RuO ₄	Dr TAMAI, Anna
17:30	[244] □632□Three-dimensional Fermi surface of overdoped La-based cuprates	Dr HORIO, Masafumi
17:45	[67] □633□Electronic and magnetic tuning of charge order and phonon anomaly in a cuprate spin ladder	Mr TSENG, Yi
18:00	[236] □634□Ultra-High Resolution Neutron Spectroscopy of Low-Energy Spin Dynamics in UGe ₂	JANOSCHEK, Marc
18:15	[126] □635□Superconductivity without inversion and time-reversal symmetries	FISCHER, Mark
18:30	[72] □636□Effect of electron count and chemical complexity in high-entropy alloy (HEA) superconductors	Dr VON ROHR, Fabian O.
18:45	[120] □637□Unconventional superconductivity with T _c = 30 K in stoichiometric ThFeAsN	SHIROKA, Toni