
Übersichtsartikel

- [24] G. S. Boebinger, A. V. Chubukov, I. R. Fisher, F. M. Grosche, P. J. Hirschfeld, S. R. Julian, B. Keimer, S. A. Kivelson, A. P. Mackenzie, Y. Maeno, J. Orenstein, B. J. Ramshaw, S. Sachdev, J. Schmalian und M. Vojta, *Hydride superconductivity: here to stay*, arXiv:2411.10522
- [23] L. Janssen und M. Vojta, *Heisenberg-Kitaev physics in magnetic fields*, J. Phys. Cond. Matter **31** (2019), 423002 (1-18)
- [22] M. Vojta, *Frustration and quantum criticality*, Rep. Prog. Phys. **81** (2018), 064501 (1-23)
- [21] I. Avigo, S. Thirupathaiah, E. D. L. Rienks, L. Rettig, A. Charnukha, M. Ligges, R. Cortes, J. Nayak, H. S. Jeevan, T. Wolf, Y. Huang, S. Wurmehl, M. I. Sturza, P. Gegenwart, M. S. Golden, L. X. Yang, K. Rossnagel, M. Bauer, B. Büchner, M. Vojta, M. Wolf, C. Felser, J. Fink, and U. Bovensiepen, *Electronic structure and ultrafast dynamics of FeAs-based superconductors by angle- and time-resolved photoemission spectroscopy*, Phys. Status Solidi B **254** (2017), 1600382 (1-15)
- [20] M. Vojta, R. Bulla und P. Wölfle, *Critical quasiparticles in single-impurity and lattice Kondo models*, Eur. Phys. J. Special Topics **224** (2015), 1127-1146
- [19] M. Vojta, *Quantenkritikalität kritisch überprüft*, Physik Journal **13**/11 (2014), 23-24
- [18] M. Vojta, *Verborgene Ordnung*, Physik Journal **12**/4 (2013), 19-21
- [17] L. Fritz und M. Vojta, *The physics of Kondo impurities in graphene*, Rep. Prog. Phys. **76** (2013), 032501 (1-15)
- [16] M. Vojta, *Stripes and electronic quasiparticles in the pseudogap state of cuprate superconductors*, Physica C **481** (2012), 178-188
- [15] M. Vojta, *Cuprate superconductivity: Magnetic fluctuations revealed*, Nature Phys. **7** (2011), 674-675.
- [14] M. Vojta, *Picking the cuprates' Fermi pockets*, Physics **4** (2011), 12 (1-3)
- [13] M. Vojta, *Die Pseudolücke gestreift*, Physik Journal **10**/2 (2011), 16-17
- [12] M. Vojta, *Orbital-selective Mott transitions: Heavy fermions and beyond*, J. Low Temp. Phys. **161** (2010), 203-232
- [11] C. Pfleiderer, P. Böni, C. Franz, T. Keller, A. Neubauer, P. G. Niklowitz, P. Schmakat, M. Schulz, Y.-K. Huang, J. A. Mydosh, M. Vojta, W. Duncan, F. M. Grosche, M. Brando, M. Deppe, C. Geibel, F. Steglich, A. Krimmel und A. Loidl, *Search for Electronic Phase Separation at Quantum Phase Transitions*, J. Low Temp. Phys. **161** (2010), 167-181
- [10] M. Vojta, *Frustriert zum Monopol*, Physik Journal **8**/11 (2009), 22-23
- [9] M. Vojta, *Lattice symmetry breaking in cuprate superconductors: Stripes, nematics, and superconductivity*, Adv. Phys. **58** (2009), 699-820
- [8] M. Vojta, *Spins in superconductors: Mobile or not?*, Nature Phys. **5** (2009), 623-624
- [7] M. Vojta, *Jenseits von Landau*, Physik Journal **6**/7 (2007), 18-19
- [6] H. von Löhneysen, A. Rosch, M. Vojta und P. Wölfle, *Fermi-liquid instabilities at magnetic quantum phase transitions*, Rev. Mod. Phys. **79** (2007), 1015-1075
- [5] M. Vojta, *Impurity quantum phase transitions*, Phil. Mag. **86** (2006), 1807-1846
- [4] J. Zaanen, S. Chakravarty, T. Senthil, P. W. Anderson, P. A. Lee, J. Schmalian, M. Imada, D. Pines, M. Randeria, C. M. Varma, M. Vojta und T. M. Rice, *Towards a complete theory of high T_c* , Nature Phys. **2** (2006), 138-143
- [3] M. Vojta, *Quantum phase transitions*, Rep. Prog. Phys. **66** (2003), 2069-2110
- [2] M. Vojta und A. Rosch, *Bose-Einstein-Kondensation von Magnonen*, Physik Journal **2**/7-8 (2003), 16-17
- [1] M. Vojta, *Quantenphasenübergänge - „Schmelzen“ am Temperaturnullpunkt*, Physik Journal **1**/3 (2002), 55-58
-

Beiträge in referierten Zeitschriften

- [210] M. T. Bunney, U. F. P. Seifert, S. Rachel und M. Vojta, *Fractionalized superconductivity from Majorana glue in the Kitaev-Kondo lattice*, eingereicht bei Phys. Rev. B, arXiv:2411.07201
- [209] J. Erdmenger, J. Karl, Y. Thurn, M. Vojta und Z.-Y. Xian, *Discrete JT gravity as an Ising model*, eingereicht bei JHEP, arXiv:2407.06266
- [208] P. M. C nsoli und M. Vojta, *SU(3) altermagnetism: Lattice models, chiral magnons, and flavor-split bands*, eingereicht bei Phys. Rev. Lett., arXiv:2402.18629
- [207] T. Drechsler und M. Vojta, *Emergent chiral metal near a Kondo breakdown quantum phase transition*, eingereicht bei Phys. Rev. Lett, arXiv:2311.13641
- [206] G. Fragkopoulou und M. Vojta, *Bond disorder in extended Heisenberg-Kitaev models: Spin textures and in-gap states in the high-field regime*, Phys. Rev. B **110** (2024), 174444 (1-23), Editor's Suggestion
- [205] D. Lozano-Gomez, Y. Iqbal und M. Vojta, *A classical chiral spin liquid from chiral interactions on the pyrochlore lattice*, Nat. Commun. **15** (2024), 10162 (1-11, suppl)
- [204] Z. H. Liu, M. Vojta, F. F. Assaad und L. Janssen, *Critical properties of metallic and deconfined quantum critical points in Dirac systems*, Phys. Rev. B **110** (2024), 125123 (1-13)
- [203] S. Dey, J. Maciejko und M. Vojta, *Field-driven transition from quantum spin liquid to magnetic order in triangular-lattice antiferromagnets*, Phys. Rev. B **109** (2024), 224424 (1-17)
- [202] E. C. Andrade und M. Vojta, *Partial magnetic order in kagome spin ice*, Phys. Rev. B **109** (2024), L241102 (1-6, suppl)
- [201] F. K hler und M. Vojta, *Nodal semimetals in $d \geq 3$ to sharp pseudo-Landau levels by dimensional reduction*, Phys. Rev. B **109** (2024), 075123 (1-6, suppl)
- [200] P. M. C nsoli und M. Vojta, *Disorder effects in spiral spin liquids: Long-range spin textures, Friedel-like oscillations, and spiral spin glasses*, Phys. Rev. B **109** (2024), 064423 (1-25)
- [199] C. Kourris und M. Vojta, *Kondo screening and coherence in kagome local-moment metals: Energy scales of heavy fermions in the presence of flat bands*, Phys. Rev. B **108** (2023), 235106 (1-12)
- [198] S. Lee, Y. S. Choi, S.-H. Do, W. Lee, C. H. Lee, M. Lee, M. Vojta, C. N. Wang, H. Luetkens, Z. Guguchia, and K.-Y. Choi, *Kondo screening in a Majorana metal*, Nat. Commun. **14** (2023), 7405 (1-8, suppl).
- [197] B. Frank, Z. H. Liu, F. F. Assaad, M. Vojta, and L. Janssen, *Marginal Fermi liquid at magnetic quantum criticality from dimensional confinement*, Phys. Rev. B **108** (2023), L100405 (1-6, suppl)
- [196] M. Weber und M. Vojta, *SU(2)-symmetric spin-boson model: Quantum criticality, fixed-point annihilation, and duality*, Phys. Rev. Lett. **130** (2023), 186701 (1-6, suppl)
- [195] Z. H. Liu, B. Frank, L. Janssen, M. Vojta, and F. F. Assaad, *Magnetic quantum phase transition in a metallic Kondo heterostructure*, Phys. Rev. B **107** (2023), 165104 (1-18)
- [194] P. M. C nsoli und M. Vojta, *Kondo breakdown transitions and phase-separation tendencies in valence-fluctuating heavy-fermion metals*, Phys. Rev. B **106** (2022), 235127 (1-12)
- [193] B. Danu, M. Vojta, T. Grover und F. F. Assaad, *Spin chain on a metallic surface: Dissipation-induced order vs. Kondo entanglement*, Phys. Rev. B **106** (2022), L161103 (1-6, suppl)
- [192] A. Wendl, H. Eisenlohr, F. Rucker, C. Duvinage, M. Kleinhans, M. Vojta und C. Pfleiderer, *Emergence of mesoscale quantum phase transitions in a ferromagnet*, Nature **609** (2022), 65-70
- [191] E. H u bler, J. Sichelschmidt, M. Baenitz, E. C. Andrade, M. Vojta und T. Doert, *Diluting a triangular-lattice spin liquid: Synthesis and characterization of NaYb_{1-x}Lu_xS₂ single crystals*, Phys. Rev. Mater. **6** (2022), 046201 (1-8, suppl)
- [190] S.-H. Baek, Y. Sur, K. H. Kim, M. Vojta und B. B uchner, *Interplay of charge density waves, disorder, and superconductivity in 2H-TaSe₂ elucidated by NMR*, New J. Phys. **24** (2022), 043008 (1-8)
- [189] J. Schwab, L. Janssen, K. Sun, Z. Y. Meng, I. F. Herbut, M. Vojta und F. F. Assaad, *Nematic quantum criticality in Dirac systems*, Phys. Rev. Lett. **128** (2022), 157203 (1-6, suppl)
- [188] M. M. Nayga und M. Vojta, *Strain tuning of highly frustrated magnets: Order and disorder in the distorted kagome Heisenberg antiferromagnet*, Phys. Rev. B **105** (2022), 094426 (1-12)
- [187] Z. H. Liu, M. Vojta, F. F. Assaad und L. Janssen, *Metallic and deconfined quantum criticality in Dirac systems*, Phys. Rev. Lett. **128** (2022), 087201 (1-6, suppl), Editor's Suggestion

- [186] P. M. C nsoli, M. Fornoville und M. Vojta, *Fluctuation-induced ferrimagnetism in sublattice-imbalanced antiferromagnets and application to $\text{SrCu}_2(\text{BO}_3)_2$ under pressure*, Phys. Rev. B **104** (2021), 064422 (1-11)
- [185] C. Beneke und M. Vojta, *Divergence of the Gr neisen ratio at symmetry-enhanced first-order quantum phase transitions*, Phys. Rev. B **103** (2021), 174420 (1-9)
- [184] C. Balz, L. Janssen, P. Lampen-Kelley, A. Banerjee, Y. Liu, J.-Q. Yan, D. G. Mandrus, M. Vojta und S. E. Nagler, *Field-induced intermediate ordered phase and anisotropic interlayer interactions in $\alpha\text{-RuCl}_3$* , Phys. Rev. B **103** (2021), 174417 (1-12), Editor's Suggestion
- [183] S. Chulliparambil, L. Janssen, M. Vojta, H.-H. Tu und U. F. P. Seifert, *Flux crystals, Majorana metals, and flat bands in exactly solvable spin-orbital liquids*, Phys. Rev. B **103** (2021), 075144 (1-18)
- [182] H. Eisenlohr und M. Vojta, *Limits to magnetic quantum criticality from nuclear spins*, Phys. Rev. B **103** (2021), 064405 (1-16), Editor's Suggestion
- [181] R. Hentrich, X. Hong, M. Gillig, F. Caglieris, M. Culo, M. Shahrokhvand, U. Zeitler, M. Roslova, A. Isaeva, T. Doert, L. Janssen, M. Vojta, B. B chner und C. Hess, *High-field thermal transport properties of the Kitaev quantum magnet $\alpha\text{-RuCl}_3$: Evidence for low-energy excitations beyond the critical field*, Phys. Rev. B **102** (2020), 235155 (1-8)
- [180] U. F. P. Seifert, X.-Y. Dong, S. Chulliparambil, M. Vojta, H.-H. Tu und L. Janssen, *Fractionalized fermionic quantum criticality in spin-orbital Mott insulators*, Phys. Rev. Lett. **125** (2020), 257202 (1-7, suppl)
- [179] S. Chulliparambil, U. F. P. Seifert, M. Vojta, L. Janssen und H.-H. Tu, *Microscopic Models for Kitaev's Sixteenfold Way of Anyon Theories*, Phys. Rev. B **102** (2020), 201111(R) (1-5, suppl)
- [178] B. Danu, M. Vojta, F. F. Assaad und T. Grover, *Kondo breakdown in a spin-1/2 chain of adatoms on a Dirac semimetal*, Phys. Rev. Lett. **125** (2020), 206602 (1-5, suppl)
- [177] P. M. C nsoli, L. Janssen, M. Vojta und E. C. Andrade, *Heisenberg-Kitaev model in a magnetic field: $1/S$ expansion*, Phys. Rev. B **102** (2020), 155134 (1-21)
- [176] S. Dey, E. C. Andrade und M. Vojta, *Random-bond disorder in two-dimensional non-collinear XY antiferromagnets: From quasi-long-range order to spin glass*, Phys. Rev. B **102** (2020), 125121 (1-8)
- [175] E. C. Andrade, L. Janssen und M. Vojta, *Susceptibility anisotropy and its disorder evolution in models for Kitaev materials*, Phys. Rev. B **102** (2020), 115160 (1-12)
- [174] S.-H. Baek, H. W. Yeo, S.-H. Do, K.-Y. Choi, L. Janssen, M. Vojta und B. B chner, *Observation of a random singlet state in a diluted Kitaev honeycomb material*, Phys. Rev. B **102** (2020), 094407 (1-6)
- [173] S. Ray, M. Vojta und L. Janssen, *Soluble Fermionic Quantum Critical Point in Two Dimensions*, Phys. Rev. B **102** (2020), 081112(R) (1-6, suppl)
- [172] S. Gass, P. M. C nsoli, V. Kocsis, L. T. Corredor, P. Lampen-Kelley, D. G. Mandrus, S. E. Nagler, L. Janssen, M. Vojta, B. B chner und A. U. B. Wolter, *Field-induced phase transitions of the Kitaev material $\alpha\text{-RuCl}_3$ probed by thermal expansion and magnetostriction*, Phys. Rev. B **101** (2020), 245158 (1-13)
- [171] S.-S. Diop, L. Fritz, M. Vojta und S. Rachel, *Impurity-bound states as detectors of topological band structures revisited*, Phys. Rev. B **101** (2020), 245132 (1-12)
- [170] L. Janssen, S. Koch und M. Vojta, *Magnon dispersion and dynamic spin response in three-dimensional spin models for $\alpha\text{-RuCl}_3$* , Phys. Rev. B **101** (2020), 174444 (1-11)
- [169] S. Dey, E. C. Andrade und M. Vojta, *Destruction of long-range order in non-collinear two-dimensional antiferromagnets by random-bond disorder*, Phys. Rev. B **101** (2020), 020411(R) (1-5, suppl)
- [168] W. G. F. Kr ger, M. Vojta und L. Janssen, *Heisenberg-Kitaev Models on Hyperhoneycomb and Stripyhoneycomb Lattices: 3D-2D Equivalence of Ordered States and Phase Diagrams*, Phys. Rev. Research **2** (2020), 012021(R) (1-6)
- [167] M. M. Nayga, S. Rachel und M. Vojta, *Magnon Landau levels and emergent supersymmetry in strained antiferromagnets*, Phys. Rev. Lett. **123** (2019), 207204 (1-6, suppl)
- [166] H. Eisenlohr, S.-S. B. Lee und M. Vojta, *Mott quantum criticality in the one-band Hubbard model: Dynamical mean-field theory, power-law spectra, and scaling*, Phys. Rev. B **100** (2019), 155152 (1-11)
- [165] G. Bastien, M. Roslova, M. H. Haghighi, K. Mehlawat, J. Hunger, A. Isaeva, T. Doert, M. Vojta, B. B chner und A. U. B. Wolter, *Spin-glass state and reversed magnetic anisotropy induced by Cr doping in the Kitaev magnet $\alpha\text{-RuCl}_3$* , Phys. Rev. B **99** (2019), 214410 (1-11), Editor's Suggestion

- [164] U. F. P. Seifert und M. Vojta, *Theory of partial quantum disorder in the stuffed honeycomb Heisenberg antiferromagnet*, Phys. Rev. B **99** (2019), 155156 (1-12)
- [163] P. Lampen-Kelley, L. Janssen, E. C. Andrade, S. Rachel, J. -Q. Yan, C. Balz, D. G. Mandrus, S. E. Nagler und M. Vojta, *Field-induced intermediate phase in α -RuCl₃: Non-coplanar order, phase diagram, and proximate spin liquid*, arXiv:1807.06192, superseded by [184]
- [162] S. Ray, M. Vojta und L. Janssen, *Quantum critical behavior of 2D Fermi systems with quadratic band touching*, Phys. Rev. B **98** (2018), 245128 (1-15), Editor's Suggestion
- [161] C. Wellm, J. Zeisner, A. Alfonsov, A. U. B. Wolter, M. Roslova, A. Isaeva, T. Doert, M. Vojta, B. Büchner und V. Kataev, *Signatures of low-energy fractionalized excitations in α -RuCl₃ from field-dependent microwave absorption*, Phys. Rev. B **98** (2018), 184408 (1-6, suppl)
- [160] U. F. P. Seifert, J. Gritsch, E. Wagner, D. G. Joshi, W. Brenig, M. Vojta und K. P. Schmidt, *Bilayer Kitaev models: Phase diagrams and novel phases*, Phys. Rev. B **98** (2018), 155101 (1-20)
- [159] S. Ray und M. Vojta, *Carrier dynamics in doped bilayer iridates near magnetic quantum criticality*, Phys. Rev. B **98** (2018), 115102 (1-12), Editor's Suggestion
- [158] E. C. Andrade, J. A. Hoyos, S. Rachel und M. Vojta, *Cluster-glass phase in pyrochlore XY antiferromagnets with quenched disorder*, Phys. Rev. Lett. **120** (2018), 097204 (1-6, suppl)
- [157] U. F. P. Seifert, T. Meng und M. Vojta, *Fractionalized Fermi liquids and exotic superconductivity in the Kitaev Kondo lattice*, Phys. Rev. B **97** (2018), 085118 (1-16)
- [156] R. Sarkar, J. W. Krizan, F. Brückner, E. C. Andrade, S. Rachel, M. Vojta, R. J. Cava und H.-H. Klauss, *Unconventional spin freezing in the disordered pyrochlore magnet NaCaCo₂F₇: NMR studies and Monte-Carlo simulations*, Phys. Rev. B **96** (2017), 235117 (1-10)
- [155] S. Rachel, E. Mascot, S. Cocklin, M. Vojta und D. K. Morr, *Quantized charge transport in chiral Majorana edge modes*, Phys. Rev. B **96** (2017), 205131 (1-11), Editor's Suggestion
- [154] L. Janssen, E. C. Andrade und M. Vojta, *Magnetization processes of zigzag states on the honeycomb lattice: Identifying spin models for α -RuCl₃ and Na₂IrO₃*, Phys. Rev. B **96** (2017), 064430 (1-14)
- [153] H. Théveniaut und M. Vojta, *Bound states of fractionalized excitations in a modulated Kitaev spin liquid*, Phys. Rev. B **96** (2017), 054401 (1-8)
- [152] A. U. B. Wolter, L. T. Corredor, L. Janssen, K. Nenkov, S. Schönecker, S.-H. Do, K.-Y. Choi, R. Albrecht, J. Hunger, T. Doert, M. Vojta und B. Büchner, *Field-induced quantum criticality in the Kitaev system α -RuCl₃*, Phys. Rev. B **96** (2017), 041405(R) (1-5, suppl)
- [151] B. Bruognolo, N.-O. Linden, F. Schwarz, S.-S. B. Lee, K. Stadler, A. Weichselbaum, M. Vojta, F. B. Anders und J. von Delft, *Open Wilson chains for quantum impurity models: Keeping track of all bath modes*, Phys. Rev. B **95** (2017), 121115(R) (1-5, suppl)
- [150] L. Janssen, E. C. Andrade und M. Vojta, *Honeycomb-lattice Heisenberg-Kitaev model in a magnetic field: Spin canting, metamagnetism, and vortex crystals*, Phys. Rev. Lett. **117** (2016), 277202 (1-5, suppl)
- [149] P. Y. Portnichenko, S. Paschen, A. Prokofiev, M. Vojta, A. S. Cameron, J.-M. Mignot, A. Ivanov und D. S. Inosov, *Incommensurate short-range multipolar order parameter of phase II in Ce₃Pd₂₀Si₆*, Phys. Rev. B **94** (2016), 245132 (1-6)
- [148] S. Rachel, I. Göthel, D. P. Arovas und M. Vojta, *Strain-induced Landau Levels in arbitrary dimensions with an exact spectrum*, Phys. Rev. Lett. **117** (2016), 266801 (1-5, suppl)
- [147] K. Coester, D. G. Joshi, M. Vojta und K. P. Schmidt, *Linked-cluster expansions for quantum magnets on the hypercubic lattice*, Phys. Rev. B **94** (2016), 125109 (1-13)
- [146] M. Vojta, A. K. Mitchell und F. Zschöcke, *Kondo impurities in the Kitaev spin liquid: Numerical renormalization group solution and gauge-flux-driven screening*, Phys. Rev. Lett. **117** (2016), 037202 (1-5, suppl)
- [145] P. P. Baruselli und M. Vojta, *Cotunneling into a Kondo lattice with odd hybridization*, Phys. Rev. B **93** (2016), 235111 (1-8)
- [144] P. P. Baruselli und M. Vojta, *Spin textures on general surfaces of the correlated topological insulator SmB₆*, Phys. Rev. B **93** (2016), 195117 (1-28)
- [143] S. Rachel, L. Fritz und M. Vojta, *Landau levels of Majorana fermions in a spin liquid*, Phys. Rev. Lett. **116** (2016), 167201 (1-5, suppl)

- [142] M. Laubach, D. G. Joshi, J. Reuther, R. Thomale, M. Vojta und S. Rachel, *Quantum disordered insulating phase in the frustrated cubic-lattice Hubbard model*, Phys. Rev. B **93** (2016), 041106(R) (1-5)
- [141] M. Lohöfer, T. Coletta, D. G. Joshi, F. F. Assaad, M. Vojta, S. Wessel und F. Mila, *Dynamical structure factors and excitation modes of the bilayer Heisenberg model*, Phys. Rev. B **92** (2015), 245137 (1-20)
- [140] P. P. Baruselli und M. Vojta, *Surface reconstruction in a tight-binding model for the topological Kondo insulator SmB_6* , 2D Mater. **2** (2015), 044011 (1-15)
- [139] J. Fink, A. Charnukha, E. D. L. Rienks, Z. H. Liu, S. Thirupathaiah, I. Avigo, F. Roth, H. S. Jeevan, P. Gegenwart, M. Roslova, I. Morozov, S. Wurmehl, U. Bovensiepen, S. Borisenko, M. Vojta und B. Büchner, *Non-Fermi-liquid scattering rates and anomalous band dispersion in ferropnictides*, Phys. Rev. B **92** (2015), 201106(R) (1-6, suppl)
- [138] P. P. Baruselli und M. Vojta, *Distinct topological crystalline phases in models for the strongly correlated topological insulator SmB_6* , Phys. Rev. Lett. **115** (2015), 154404 (1-5, suppl)
- [137] P. G. Niklowitz, S. R. Dunsiger, C. Pfleiderer, P. Link, A. Schneidewind, E. Faulhaber, M. Vojta, Y.-K. Huang und J. A. Mydosh, *Role of commensurate and incommensurate low-energy excitations in the paramagnetic to hidden-order transition of URu_2Si_2* , Phys. Rev. B **92** (2015), 115116 (1-6)
- [136] M. Heyl und M. Vojta, *Nonequilibrium dynamical renormalization group: Dynamical crossover from weak to infinite randomness in the transverse-field Ising chain*, Phys. Rev. B **92** (2015), 104401 (1-14)
- [135] E. C. Andrade, A. Jagannathan, E. Miranda, M. Vojta und V. Dobrosavljević, *Non-Fermi-liquid behavior in metallic quasicrystals with local magnetic moments*, Phys. Rev. Lett. **115** (2015), 036403 (1-6, suppl)
- [134] F. Zschöcke und M. Vojta, *Physical states and finite-size effects in Kitaev's honeycomb model: Bond disorder, spin excitations, and NMR lineshape*, Phys. Rev. B **92** (2015), 014403 (1-12)
- [133] D. G. Joshi und M. Vojta, *Non-linear bond-operator theory and $1/d$ expansion for coupled-dimer magnets II: Antiferromagnetic phase and quantum phase transition*, Phys. Rev. B **91** (2015), 094405 (1-19)
- [132] D. G. Joshi, K. Coester, K. P. Schmidt und M. Vojta, *Non-linear bond-operator theory and $1/d$ expansion for coupled-dimer magnets I: Paramagnetic phase*, Phys. Rev. B **91** (2015), 094404 (1-21)
- [131] B. Bruognolo, A. Weichselbaum, C. Guo, J. von Delft, I. Schneider und M. Vojta, *Two-bath spin-boson model: Phase diagram and critical properties*, Phys. Rev. B **90** (2014), 245130 (1-20)
- [130] P. P. Baruselli und M. Vojta, *Scanning tunneling spectroscopy and surface quasiparticle interference in models for the strongly correlated topological insulators SmB_6 and PuB_6* , Phys. Rev. B **90** (2014), 201106(R) (1-5, suppl.)
- [129] E. C. Andrade und M. Vojta, *Magnetism in spin models for depleted honeycomb-lattice iridates: Spin-glass order towards percolation*, Phys. Rev. B **90** (2014), 205112 (1-5)
- [128] M. Heyl und M. Vojta, *Dynamics of symmetry breaking during quantum real-time evolution in a minimal model system*, Phys. Rev. Lett. **113** (2014), 180601 (1-5, suppl.)
- [127] E. C. Andrade, M. Brando, C. Geibel und M. Vojta, *Competing orders, competing anisotropies, and multicriticality: The case of Co-doped YbRh_2Si_2* , Phys. Rev. B **90** (2014), 075138 (1-7)
- [126] E. C. Andrade, M. Steudtner und M. Vojta, *Anderson localization and momentum-space entanglement*, J. Stat. Mech. (2014), P07022 (1-15)
- [125] P. P. Baruselli und M. Vojta, *Kondo holes in topological Kondo insulators: Spectral properties and surface quasiparticle interference*, Phys. Rev. B **89** (2014), 205105 (1-18)
- [124] Y. E. Shchadilova, M. Vojta und M. Haque, *Single-impurity Kondo physics at extreme particle-hole asymmetry*, Phys. Rev. B **89** (2014), 104102 (1-9)
- [123] A. Mitchell, M. Vojta, R. Bulla und L. Fritz, *Quantum phase transitions and thermodynamics of the power-law Kondo model*, Phys. Rev. B **88** (2013), 195119 (1-12), Editor's Suggestion
- [122] J. Rincón, D. J. García, K. Hallberg und M. Vojta, *Quantum phase transition between one-channel and two-channel Kondo polarons*, Phys. Rev. B **88** (2013), 140407(R) (1-4, suppl.)
- [121] S. M. Gaw, E. C. Andrade, M. Vojta, C. D. Frost, D. T. Adroja, D. Prabhakaran und A. T. Boothroyd, *Hour-glass magnetic spectrum arising from a striped cluster-spin-glass ground state in $\text{La}_{1.75}\text{Sr}_{0.25}\text{CoO}_4$* , Phys. Rev. B **88** (2013), 165121 (1-10)

- [120] A. Hackl und M. Vojta, *Reply to a Comment by S. Friedemann et al. on: Zeeman-driven Lifshitz transition: A model for the experimentally observed Fermi-surface reconstruction in YbRh_2Si_2* , Phys. Rev. Lett. **111** (2013), 139702 (1-2)
- [119] M. Vojta, *Excitation spectra of disordered dimer magnets near quantum criticality*, Phys. Rev. Lett. **111** (2013), 097202 (1-5, suppl.)
- [118] C.-H. Chung, K. Le Hur, G. Finkelstein, M. Vojta und P. Wölfle, *Non-equilibrium quantum transport through a dissipative resonant level*, Phys. Rev. B **87** (2013), 245310 (1-19)
- [117] A. Benlagra und M. Vojta, *Doping-induced band shifts and Lifshitz transitions in heavy-fermion metals*, Phys. Rev. B **87** (2013), 165143 (1-7)
- [116] O. Bodensiek, R. Žitko, M. Vojta, M. Jarrell und T. Pruschke, *Unconventional superconductivity from local spin fluctuations in the Kondo lattice*, Phys. Rev. Lett. **110** (2013), 146406 (1-5, suppl.)
- [115] A. Mitchell, D. Schuricht, M. Vojta und L. Fritz, *Kondo effect on the surface of 3D topological insulators: Signatures in scanning tunneling spectroscopy*, Phys. Rev. B **87** (2013), 075430 (1-11)
- [114] A. Wollny, E. C. Andrade und M. Vojta, *Singular field response and singular screening of vacancies in antiferromagnets*, Phys. Rev. Lett. **109** (2012), 177203 (1-5, suppl.)
- [113] E. C. Andrade und M. Vojta, *Disorder, cluster spin glass, and hourglass spectra in striped magnetic insulators*, Phys. Rev. Lett. **109** (2012), 147201 (1-5, suppl.)
- [112] G. Schubert, H. Fehske, L. Fritz und M. Vojta, *The fate of topological-insulator surface states under strong disorder*, Phys. Rev. B **85** (2012), 201105(R) (1-5)
- [111] C. Guo, A. Weichselbaum, J. von Delft und M. Vojta, *Critical and strong-coupling phases in one- and two-bath spin-boson models*, Phys. Rev. Lett. **108** (2012), 160401 (1-5, suppl.)
- [110] M. Vojta, *Numerical Renormalization Group for the sub-ohmic spin-boson model: A conspiracy of errors*, Phys. Rev. B **85** (2012), 115113 (1-8), Editor's Suggestion
- [109] R. L. Doretto und M. Vojta, *Triangular-lattice anisotropic dimerized Heisenberg antiferromagnet: Stability and excitations of the quantum paramagnetic phase*, Phys. Rev. B **85** (2012), 104416 (1-13)
- [108] E. C. Andrade und M. Vojta, *Defect-induced spin-glass magnetism in incommensurate spin-gap magnets*, EPL **97** (2012), 37007 (1-6)
- [107] A. Hackl und M. Vojta, *Reply to a Comment by V. R. Shaginyan et al. on: Zeeman-driven Lifshitz transition: A model for the experimentally observed Fermi-surface reconstruction in YbRh_2Si_2* , Phys. Rev. Lett. **107** (2011), 279702 (1-1)
- [106] A. Benlagra, T. Pruschke und M. Vojta, *Finite-temperature spectra and quasiparticle interference in Kondo lattices: From light electrons to coherent heavy quasiparticles*, Phys. Rev. B **84** (2011), 195141 (1-14)
- [105] I. Schneider, L. Fritz, F. B. Anders, A. Benlagra und M. Vojta, *Two-channel pseudogap Kondo and Anderson models: Quantum phase transitions and non-Fermi liquids*, Phys. Rev. B **84** (2011), 125139 (1-13)
- [104] A. Wollny, L. Fritz und M. Vojta, *Fractional impurity moments in two-dimensional non-collinear magnets*, Phys. Rev. Lett. **107** (2011), 137204 (1-4)
- [103] A. Benlagra, L. Fritz und M. Vojta, *Kondo lattices with inequivalent local moments: Competitive vs. co-operative Kondo screening*, Phys. Rev. B **84** (2011), 075126 (1-13)
- [102] L. Fritz, R. L. Doretto, S. Wessel, S. Wenzel, S. Burdin und M. Vojta, *Cubic interactions and quantum criticality in dimerized antiferromagnets*, Phys. Rev. B **83** (2011), 174416 (1-13)
- [101] A. Hackl und M. Vojta, *Zeeman-driven Lifshitz transition: A model for the experimentally observed Fermi-surface reconstruction in YbRh_2Si_2* , Phys. Rev. Lett. **106** (2011), 137002 (1-4)
- [100] A. Hackl und M. Vojta, *Stripe order and quasiparticle Nernst effect in cuprate superconductors*, New J. Phys. **12** (2010), 105011 (1-17)
- [99] M. Vojta, *Tendencies toward nematic order in $\text{YBa}_2\text{Cu}_3\text{O}_{6+\delta}$: Uniform distortion vs. incipient charge stripes*, Eur. Phys. J. Special Topics **188** (2010), 49-59
- [98] C.-H. Chung, K. V. P. Latha, K. Le Hur, M. Vojta und P. Wölfle, *Tunable Kondo-Luttinger systems far from equilibrium*, Phys. Rev. B **82** (2010), 115325 (1-5)
- [97] M. Vojta, L. Fritz und R. Bulla, *Gate-controlled Kondo screening in graphene: Quantum criticality and electron-hole asymmetry*, EPL **90** (2010), 27006 (1-6)

- [96] P. G. Niklowitz, C. Pfleiderer, T. Keller, M. Vojta, Y.-K. Huang und J. A. Mydosh, *Parasitic small-moment-antiferromagnetism and non-linear coupling of hidden order and antiferromagnetism in URu_2Si_2 observed by Larmor diffraction*, Phys. Rev. Lett. **104** (2010), 106406 (1-4)
- [95] M. Vojta, R. Bulla, F. Güttge und F. B. Anders, *Mass-flow error in the Numerical Renormalization Group method and the critical behavior of the sub-ohmic spin-boson model*, Phys. Rev. B **81** (2010), 075122 (1-12), Editor's Suggestion
- [94] A. Hackl, M. Vojta und S. Sachdev, *Quasiparticle Nernst effect in stripe-ordered cuprates*, Phys. Rev. B **81** (2010), 045102 (1-15)
- [93] A. Hackl und M. Vojta, *Nernst effect anisotropy as a sensitive probe of Fermi surface distortions from electron-nematic order*, Phys. Rev. B **80** (2009), 220514(R) (1-4), Editor's Suggestion
- [92] A. Hackl, S. Kehrein und M. Vojta, *Non-equilibrium magnetization dynamics of ferromagnetically coupled Kondo spins*, Phys. Rev. B **80** (2009), 195117 (1-15)
- [91] A. Wollny und M. Vojta, *Inter-layer Josephson coupling in stripe-ordered superconducting cuprates*, Phys. Rev. B **80** (2009), 132504 (1-4)
- [90] P. G. Niklowitz, C. Pfleiderer, S. Mühlbauer, P. Böni, T. Keller, P. Link, J. A. Wilson, M. Vojta und J. A. Mydosh, *New angles on the border of antiferromagnetism in NiS_2 and URu_2Si_2* , Physica B **404** (2009), 2955-2960
- [89] A. Wollny und M. Vojta, *Photoemission signatures of valence-bond stripes in cuprates: Long-range vs. short-range order*, Physica B **404** (2009), 3079-3082
- [88] R. L. Doretto und M. Vojta, *Quantum magnets with weakly confined spinons: Multiple length scales and quantum impurities*, Phys. Rev. B **80** (2009), 024411 (1-15)
- [87] A. Hackl und M. Vojta, *Pressure-induced magnetic transition and volume collapse in FeAs superconductors: An orbital-selective Mott scenario*, New. J. Phys. **11** (2009), 055064 (1-15)
- [86] C.-H. Chung, K. Le Hur, M. Vojta und P. Wölfle, *Non-equilibrium transport at a dissipative quantum phase transition*, Phys. Rev. Lett. **102** (2009), 216803 (1-4)
- [85] A. Winter, H. Rieger, M. Vojta und R. Bulla, *The quantum phase transition in the sub-ohmic spin-boson model: Quantum Monte-Carlo study with a continuous imaginary time cluster algorithm*, Phys. Rev. Lett. **102** (2009), 030601 (1-4)
- [84] A. Rosch, D. Rasch, B. Binz und M. Vojta, *Metastable superfluidity of repulsive fermionic atoms in optical lattices*, Phys. Rev. Lett. **101** (2008), 265301 (1-4)
- [83] M. Garst, L. Fritz, A. Rosch und M. Vojta, *Dimensional crossover in quantum critical metallic magnets*, Phys. Rev. B **78** (2008), 235118 (1-18)
- [82] M. Vojta, *Electronic properties of disordered valence-bond stripes in cuprate superconductors*, Phys. Rev. B **78** (2008), 144508 (1-6)
- [81] M. Vojta, *From itinerant to local-moment antiferromagnetism in Kondo lattices: Adiabatic continuity vs. quantum phase transition*, Phys. Rev. B **78** (2008), 125109 (1-8)
- [80] A. Hackl und M. Vojta, *Kondo volume collapse, Kondo breakdown, and Fermi surface transitions in heavy-fermion metals*, Phys. Rev. B **77** (2008), 134439 (1-11)
- [79] H. Weber und M. Vojta, *Heavy-fermion metals with hybridization nodes: Unconventional Fermi liquids and competing phases*, Phys. Rev. B **77** (2008), 125118 (1-15)
- [78] M. Vojta und O. Rösch, *Superconducting d-wave stripes in cuprates: Valence bond order coexisting with nodal quasiparticles*, Phys. Rev. B **77** (2008), 094504 (1-5)
- [77] C.-H. Chung, M. T. Glossop, L. Fritz, M. Kirčan, K. Ingersent und M. Vojta, *Quantum phase transitions in a resonant-level model with dissipation: Renormalization-group studies*, Phys. Rev. B **76** (2007), 235103 (1-13)
- [76] O. Rösch und M. Vojta, *Reduced dimensionality in layered quantum dimer magnets: Frustration vs. inhomogeneous condensates*, Phys. Rev. B **76** (2007), 224408 (1-21)
- [75] O. Rösch und M. Vojta, *Quantum phase transitions and dimensional reduction in antiferromagnets with inter-layer frustration*, Phys. Rev. B **76** (2007), 180401(R) (1-4)
- [74] S. Florens, L. Fritz und M. Vojta, *Boundary quantum criticality in models of magnetic impurities coupled to bosonic baths*, Phys. Rev. B **75** (2007), 224420 (1-14)
- [73] F. B. Anders, R. Bulla und M. Vojta, *Equilibrium and non-equilibrium dynamics of the sub-ohmic spin-boson model*, Phys. Rev. Lett. **98** (2007), 210402 (1-4)

- [72] R. K. Kaul und M. Vojta, *Strongly inhomogeneous phases and non-Fermi liquid behavior in randomly depleted Kondo lattices*, Phys. Rev. B **75** (2007), 132407 (1-4)
- [71] G. Zaránd, C.-H. Chung, P. Simon und M. Vojta, *Quantum criticality in a double-quantum-dot system*, Phys. Rev. Lett. **97** (2006), 166802 (1-4)
- [70] L. Fritz, S. Florens und M. Vojta, *Universal crossovers and critical dynamics of quantum phase transitions: A renormalization group study of the pseudogap Kondo problem*, Phys. Rev. B **74** (2006), 144410 (1-17)
- [69] H. Weber und M. Vojta, *A mean-field theory for strongly disordered non-frustrated antiferromagnets*, Eur. Phys. J. B **53** (2006), 185-192
- [68] C. Pfleiderer, J. A. Mydosh und M. Vojta, *Pressure dependence of the magnetization of URu₂Si₂*, Phys. Rev. B **74** (2006), 104412 (1-9)
- [67] M. Vojta, T. Vojta und R. K. Kaul, *Spin excitations in fluctuating stripe phases of cuprates*, Phys. Rev. Lett. **97** (2006), 097001 (1-4)
- [66] N. Tong und M. Vojta, *Signatures of a noise-induced quantum phase transition in a mesoscopic metal ring*, Phys. Rev. Lett. **97** (2006), 016802 (1-4)
- [65] H. von Löhneysen, H. Bartolf, C. Pfleiderer, F. Obermair, M. Vojta und P. Wölfle, *Magnetotransport in CeCu_{6-x}Au_x*, Physica B **378-380** (2006), 44-45
- [64] S. Florens, L. Fritz und M. Vojta, *The Kondo effect in bosonic spin liquids*, Phys. Rev. Lett. **96** (2006), 036601 (1-4)
- [63] M. Vojta und S. Sachdev, *Phenomenological lattice model for dynamic spin and charge fluctuations in the cuprates*, J. Phys. Chem. Solids **67** (2006), 11-16
- [62] M. Kirčan und M. Vojta, *Magnetic order in lightly doped cuprates: Coherent vs. incoherent hole quasiparticles and non-magnetic impurities*, Phys. Rev. B **73** (2006), 014516 (1-10)
- [61] L. Fritz und M. Vojta, *Kondo screening in unconventional superconductors: The role of anomalous propagators*, Phys. Rev. B **72** (2005), 212510 (1-3)
- [60] H.-J. Lee, R. Bulla und M. Vojta, *Numerical renormalization group for impurity quantum phase transitions: Structure of critical fixed points*, J. Phys. Cond. Matter **17** (2005), 6935-6957
- [59] S. Florens und M. Vojta, *Critical points and non-Fermi liquids in the underscreened pseudogap Kondo model*, Phys. Rev. B **72** (2005), 115117 (1-9)
- [58] H. Bartolf, C. Pfleiderer, O. Stockert, M. Vojta und H. von Löhneysen, *Hall effect across the quantum phase transition of CeCu_{6-x}Au_x*, Physica B **359-361** (2005), 86-88
- [57] L. Fritz, M. Kirčan und M. Vojta, *Critical theories for the pseudogap Kondo problem*, Physica B **359-361** (2005), 77-79
- [56] T. Senthil, S. Sachdev und M. Vojta, *Quantum phase transitions out of the heavy Fermi liquid*, Physica B **359-361** (2005), 9-16
- [55] T. Senthil und M. Vojta, *Spontaneous interlayer coherence in bilayer Kondo systems*, Phys. Rev. B **71** (2005), 121102(R) (1-4)
- [54] S. Florens und M. Vojta, *Impact of disorder on unconventional superconductors with competing ground states*, Phys. Rev. B **71** (2005), 094516 (1-12)
- [53] M. Vojta, N. Tong und R. Bulla, *Quantum phase transitions in the sub-ohmic spin-boson model: Failure of the quantum-classical mapping*, Phys. Rev. Lett. **94** (2005), 070604 (1-4); Erratum Phys. Rev. Lett. **102** (2009), 249904(E)
- [52] R. Bulla, H.-J. Lee, N. Tong und M. Vojta, *Numerical renormalization group for quantum impurities in a bosonic bath*, Phys. Rev. B **71** (2005), 045122 (1-21)
- [51] L. Fritz und M. Vojta, *Phase transitions in the pseudogap Anderson and Kondo models: Critical dimensions, renormalization group, and local-moment criticality*, Phys. Rev. B **70** (2004), 214427 (1-24)
- [50] M. Vojta und T. Ulbricht, *Magnetic excitations in a bond-centered stripe phase: Spin waves far from the semi-classical limit*, Phys. Rev. Lett. **93** (2004), 127002 (1-4)
- [49] M. Vojta und L. Fritz, *Upper-critical dimension in a quantum impurity model: Critical theory of the asymmetric pseudogap Kondo problem*, Phys. Rev. B **70** (2004), 094502 (1-4)
- [48] R. Sknepnek, T. Vojta und M. Vojta, *Exotic vs. conventional scaling and universality in a disordered bilayer quantum Heisenberg antiferromagnet*, Phys. Rev. Lett. **93** (2004), 097201 (1-4)
- [47] M. Garst, S. Kehrein, T. Pruschke, A. Rosch und M. Vojta, *Quantum phase transition of Ising-coupled Kondo impurities*, Phys. Rev. B **69** (2004), 214413 (1-23)

- [46] M. Kirčan und M. Vojta, *Critical properties of the Fermi-Bose Kondo and pseudogap Kondo models: Renormalized perturbation theory*, Phys. Rev. B **69** (2004), 174421 (1-16)
- [45] T. Senthil, M. Vojta und S. Sachdev, *Weak magnetism and non-Fermi liquids near heavy-fermion critical points*, Phys. Rev. B **69** (2004), 035111 (1-19)
- [44] R. Bulla, N. Tong und M. Vojta, *Numerical renormalization group for bosonic systems and application to the sub-ohmic spin-boson model*, Phys. Rev. Lett. **91** (2003), 170601 (1-4)
- [43] S. Sachdev und M. Vojta, *Quantum impurity in an antiferromagnet: non-linear sigma model theory*, Phys. Rev. B **68** (2003), 064419 (1-13)
- [42] T. Senthil, S. Sachdev und M. Vojta, *Fractionalized Fermi liquids*, Phys. Rev. Lett. **90** (2003), 216403 (1-4)
- [41] C. Gros, P. Lemmens, M. Vojta, R. Valentí, K.-Y. Choi, H. Kageyama, Z. Hiroi, N. V. Mushinikov, T. Goto, M. Johnson und P. Millet, *Longitudinal magnon in the tetrahedral spin system $\text{Cu}_2\text{Te}_2\text{O}_5\text{Br}_2$ near quantum criticality*, Phys. Rev. B **67** (2003), 174405 (1-5)
- [40] M. Vojta und M. Kirčan, *Pseudogap Fermi-Bose Kondo model*, Phys. Rev. Lett. **90** (2003), 157203 (1-4)
- [39] A. Polkovnikov, S. Sachdev und M. Vojta, *Spin collective mode and quasiparticle contributions to STM spectra of d -wave superconductors with pinning*, Physica C **388-389** (2003), 19-24
- [38] M. Vojta, R. Zitzler, R. Bulla und T. Pruschke, *Kondo screening in d -wave superconductors in a Zeeman field and implications for STM spectra of Zn-doped cuprates*, Phys. Rev. B **66** (2002), 134527 (1-5)
- [37] M. Vojta, *Superconducting charge-ordered states in cuprates*, Phys. Rev. B **66** (2002), 104505 (1-5)
- [36] M. Vojta und R. Bulla, *A fractional-spin phase in the power-law Kondo model*, Eur. Phys. J. B **28** (2002), 283-287
- [35] A. Polkovnikov, M. Vojta und S. Sachdev, *Pinning of dynamic spin density wave fluctuations in the cuprate superconductors*, Phys. Rev. B **65** (2002), 220509(R) (1-4)
- [34] M. Vojta, R. Bulla und W. Hofstetter, *Quantum phase transitions in models of coupled magnetic impurities*, Phys. Rev. B **65** (2002), 140405(R) (1-4)
- [33] M. Vojta und R. Bulla, *Kondo effect of impurity moments in d -wave superconductors: Quantum phase transition and spectral properties*, Phys. Rev. B **65** (2002), 014511 (1-17)
- [32] M. Hentschel und M. Vojta, *Multiple beam interference in a quadrupolar glass fiber*, Opt. Lett. **26** (2001), 1764-1766
- [31] T. Sommer, M. Vojta und K. W. Becker, *Magnetic properties and spin waves of bilayer magnets in a uniform field*, Eur. Phys. J. B **23** (2001), 329-339
- [30] M. Vojta, *Multichannel pseudogap Kondo model: Large- N solution and quantum-critical dynamics*, Phys. Rev. Lett. **87** (2001), 097202 (1-4)
- [29] S. Sachdev, M. Troyer und M. Vojta, *Spin orthogonality catastrophe in two-dimensional antiferromagnets and superconductors*, Phys. Rev. Lett. **86** (2001), 2617-2620
- [28] M. Vojta, A. Hübsch und R. M. Noack, *Phase diagram of the quarter-filled extended Hubbard model on a two-leg ladder*, Phys. Rev. B **63** (2001), 045105 (1-11)
- [27] A. Polkovnikov, S. Sachdev und M. Vojta, *Impurity in a d -wave superconductor: Kondo effect and STM spectra*, Phys. Rev. Lett. **86** (2001), 296-299
- [26] G. B. Martins, J. C. Xavier, C. Gazza, M. Vojta und E. Dagotto, *Indications of spin-charge separation at short distances and stripe formation in the extended t - J model on ladders and planes*, Phys. Rev. B **63** (2001), 014414 (1-13)
- [25] M. Vojta, Y. Zhang und S. Sachdev, *Renormalization group analysis of quantum critical points in d -wave superconductors*, Int. J. Mod. Phys. B **14** (2000), 3719-3734
- [24] M. Vojta, C. Buragohain und S. Sachdev, *Impurity spin dynamics in two-dimensional antiferromagnets and superconductors*, Physica C **341-348** (2000), 327-328
- [23] M. Vojta, Y. Zhang und S. Sachdev, *Quantum phase transitions in d -wave superconductors*, Phys. Rev. Lett. **85** (2000), 4940-4943; Erratum Phys. Rev. Lett. **100** (2008), 089904(E)
- [22] S. Sachdev und M. Vojta, *Translational symmetry breaking in two-dimensional antiferromagnets and superconductors*, J. Phys. Soc. Jpn. **69** Suppl B (2000), 1-9
- [21] M. Vojta, Y. Zhang und S. Sachdev, *Competing orders and quantum criticality in doped antiferromagnets*, Phys. Rev. B **62** (2000), 6721-6744

- [20] M. Vojta, C. Buragohain und S. Sachdev, *Quantum impurity dynamics in two-dimensional antiferromagnets and superconductors*, Phys. Rev. B **61** (2000), 15152-15184
- [19] S. Sachdev und M. Vojta, *Quantum phase transitions in antiferromagnets and superfluids*, Physica B **280** (2000), 333-340
- [18] M. Vojta, *Hole dynamics and photoemission in a t - J model for $\text{SrCu}_2(\text{BO}_3)_2$* , Phys. Rev. B **61** (2000), 11309-11312
- [17] S. Sachdev, C. Buragohain und M. Vojta, *Quantum impurity in a nearly-critical two-dimensional antiferromagnet*, Science **286** (1999), 2479-2482
- [16] M. Vojta und K. W. Becker, *Doped bilayer antiferromagnets: Hole dynamics on both sides of a magnetic ordering transition*, Phys. Rev. B **60** (1999), 15201-15213
- [15] A. Hübsch, M. Vojta und K. W. Becker, *Construction of size-consistent effective Hamiltonians for systems with arbitrary Hilbert space*, J. Phys. Cond. Matter **11** (1999), 8523-8535
- [14] M. Vojta und S. Sachdev, *Charge order, superconductivity, and a global phase diagram of doped antiferromagnets*, Phys. Rev. Lett. **83** (1999), 3916-3919
- [13] M. Vojta, R. E. Hetzel und R. M. Noack, *Charge-order transition in the extended Hubbard model on a two-leg ladder*, Phys. Rev. B **60** (1999), R8417-R8421
- [12] M. Vojta und E. Dagotto, *Quasiparticles and pairing in doped triangular antiferromagnets*, Physica B **259-261** (1999), 916-917
- [11] M. Vojta, *Spin polarons in triangular antiferromagnets*, Phys. Rev. B **59** (1999), 6027-6030
- [10] M. Vojta und E. Dagotto, *Indications of unconventional superconductivity in doped and undoped triangular antiferromagnets*, Phys. Rev. B **59** (1999), R713-R716
- [9] M. Vojta und K. W. Becker, *Dynamical charge correlations in the weakly doped t - J model calculated by projection technique*, Eur. Phys. J. B **3** (1998), 427-435
- [8] K. W. Becker und M. Vojta, *Cumulant approach and coupled-cluster method in many-particle systems*, Mol. Phys. **94** (1998), 217-223
- [7] M. Vojta und K. W. Becker, *Hole motion in an arbitrary spin background: Beyond the minimal spin-polaron approximation*, Phys. Rev. B **57** (1998), 3099-3107
- [6] H. Köhler, M. Vojta und K. W. Becker, *Cumulant approach to the low-temperature thermodynamics of many-body systems*, Phys. Rev. B **56** (1997), 6603-6614
- [5] M. Vojta und K. W. Becker, *Charge correlations and optical conductivity in weakly doped antiferromagnets*, Europhys. Lett. **38** (1997), 607-612
- [4] M. Vojta und K. W. Becker, *Cumulant approach to weakly doped antiferromagnets*, Phys. Rev. B **54** (1996), 15483-15493
- [3] M. Vojta und K. W. Becker, *Spin waves and static susceptibility in the weakly doped t - J model*, Ann. Physik (Leipzig) **5** (1996), 156-174
- [2] A. Vojta, G. Vojta, M. Vojta und T. Vojta: *The Coulomb glass on a fractal lattice*, J. Phys. Cond. Matter **7** (1995), L67-L72
- [1] G. Vojta und M. Vojta, *Quantum statistics of the Toda oscillator in the Wigner function formalism*, Ann. Physik (Leipzig) **45** (1988), 614-624

Bücher und Konferenzberichte

- [12] M. Vojta, *Orbitals, Frustrations, and Quantum Criticality*, in: Orbital Physics in Correlated Matter, Schriften des Forschungszentrums Jülich, Jülich (2023)
- [11] H. von Löhneysen und M. Vojta (Eds.), *Quantum Phase Transitions in Correlated Electron Systems*, Eur. Phys. J. Special Topics **224** – Special Issue, EDP Sciences (2015)
- [10] M. Vojta, C. Röthig und G. Schön (Eds.), *CFN Lectures on Functional Nanostructures Vol. 2: Nanoelectronics*, Proceedings of the CFN Summer School, Springer (2011)
- [9] M. Vojta und T. Vojta, *Melting at the absolute zero of temperature: Quantum phase transitions in condensed matter*, Festschrift on the occasion of Prof. Günter Vojta's 80th birthday, Leipziger Universitätsverlag (2008), arXiv:0809.2272
- [8] R. Bulla und M. Vojta, *Quantum phase transitions*

- in models of magnetic impurities*, in: Proceedings of the Nato Advanced Research Workshop on Concepts in Electron Correlations, Hvar, October 2002, Kluwer (2003), arXiv:cond-mat/0210015
- [7] M. Vojta, *Bulk and boundary quantum phase transitions in d-wave superconductors*, Habilitationsschrift, Universität Augsburg (2002)
- [6] A. Polkovnikov, S. Sachdev, M. Vojta und E. Demler, *Magnetic field tuning of charge and spin order in the cuprate superconductors*, in: Proceedings of the Conference on Physical Phenomena at High Magnetic Fields IV, Santa Fe, October 2001, World Scientific (2002), arXiv:cond-mat/0110329
- [5] M. Vojta und S. Sachdev, *Quantum phase transitions and collective modes in d-wave superconductors*, in: Proceedings of the DPG Spring Meeting 2001, Hamburg, Adv. Solid State Phys. **41** (2001), 329-341, arXiv:cond-mat/0104176
- [4] S. Sachdev und M. Vojta, *Non-magnetic impurities as probes of insulating and doped Mott insulators in two dimensions*, in: Proceedings of the XIII International Congress on Mathematical Physics, London, July 2000, International Press Boston (2001), arXiv:cond-mat/0009202
- [3] S. Sachdev und M. Vojta, *Damping of collective modes and quasiparticles in d-wave superconductors*, in: Proceedings of the EC Summer School on New Theoretical Approaches to Strongly Correlated Systems, Cambridge, April 2000, Kluwer Academic (2001), 3-21, arXiv:cond-mat/0005250
- [2] G. Vojta und M. Vojta, *Teubner-Taschenbuch der Statistischen Physik*, Teubner Stuttgart (2000)
- [1] M. Vojta, *Magnetismus und Transport in dotierten Spinsystemen*, Dissertationsschrift, Technische Universität Dresden (1998)

Eingeladene Vorträge

- [253] *Emergent chiral metal near a Kondo breakdown quantum phase transition*, Workshop on Unconventional Magnets, Metals, and Superconductors, Berlin (28.8.2024)
- [252] *Emergent chiral metal near a Kondo breakdown quantum phase transition*, International Conference on Magnetism (ICM), Bologna (30.6.2024)
- [251] *Emergent chiral metal near a Kondo breakdown quantum phase transition*, Conference on Fractionalization and Emergent Gauge Field, Trieste (7.12.2023)
- [250] *Orbitals, Frustrations, and Quantum Criticality*, Fall School on Orbital Physics in Correlated Matter, Jülich (19.9.2023)
- [249] *Emergent mesoscale quantum phase transition in a ferromagnet*, Workshop on Strong Electron Correlations in Quantum Materials, Sao Paulo (20.6.2023)
- [248] *Emergent mesoscale quantum phase transition in a ferromagnet*, Sino-German Workshop on Topology, Dynamics and Quantum Information in Condensed Matter Systems, Hangzhou (7.6.2023)
- [247] *Quantum spin liquids: From solvable models to experiments*, Physikalisches Kolloquium, KIT Karlsruhe (12.5.2023)
- [246] *Quantum criticality: From magnets to strange metals*, Max-Planck Spring School on Modern Topics in Condensed Matter, MPI-PKS Dresden (18./19.4.2023)
- [245] *Emergent mesoscale quantum phase transition in a ferromagnet*, Quantum Materials Symposium, Yongpyong (6.2.2023)
- [244] *Strain tuning of frustrated magnets: Spin liquids and Landau levels*, Focus Workshop on Band Topology in Quantum Magnets, Dresden (3.6.2022)
- [243] *Strain tuning of frustrated magnets: Of exotic Landau levels and squeezed spin liquids*, Condensed Matter Theory Seminar, Technische Universität München (17.5.2022)
- [242] *Strain tuning of highly frustrated magnets*, Condensed Matter Theory Seminar, Universiteit Utrecht (1.12.2021)
- [241] *Modelling α -RuCl₃*, Focus Workshop on Thermal Transport and Microscopic Descriptions of α -RuCl₃, Dresden (24.11.2021)
- [240] *Quantum magnetism, spin liquids, and topology*, 39th SPP Physics Conference, Philippines (21.10.2021)
- [239] *Emergent mesoscale antiferromagnetism near ferromagnetic quantum criticality*, Workshop on Correlations in Novel Quantum Materials, Stuttgart (11.6.2021)

- [238] *Local quantum criticality near the Mott transition*, SFB-Kolloquium, Universität zu Köln (12.5.2021)
- [237] *Frustrated Magnetism and Spin Liquids*, Quantum Materials Canada Workshop (11.5.2021)
- [236] *Local quantum criticality near the Mott transition*, Quantum Materials Canada Seminar (2.2.2021)
- [235] *Quantum spin liquids: From solvable models to experiments*, Colloquium at the Racah Institute for Physics, Jerusalem (16.11.2020)
- [234] *Strong correlations and quantum criticality: From spin liquids to high-temperature superconductivity*, Physics Colloquium, Universidade de Sao Carlos (18.9.2020)
- [233] *Local quantum criticality near the Mott transition*, PSI Condensed Matter Summer Camp (17.8.2020)
- [232] *Heisenberg-Kitaev: Models and Materials*, Condensed Matter Colloquium, University College London (27.5.2020)
- [231] *Quantum spin liquids: From solvable models to experiments*, Kolloquium des Helmholtz-Zentrums Dresden-Rossendorf (9.3.2020)
- [230] *Heisenberg-Kitaev physics in magnetic fields*, APS March Meeting, Denver (5.3.2020); cancelled due to COVID-19
- [229] *Kondo physics, quantum phase transitions, and exotic metals*, Winter School on Gapless Fermions - from Fermi liquids to strange metals, MPI-PKS Dresden (24./25.2.2020)
- [228] *Destruction of magnetic long-range order by quenched disorder: Triangular and pyrochlore antiferromagnets*, Workshop on Frustrated Magnetism, Daejeon (17.10.2019)
- [227] *Cluster-glass phase in pyrochlore XY antiferromagnets with quenched disorder*, Workshop on Quantum Ferromagnetism, Dresden (9.5.2019)
- [226] *Exotic Landau levels: From Majorana fermions to supersymmetry*, Workshop on Quantum Dynamics, Transport, and Exotic Order, Dresden (29.3.2019)
- [225] *Fractionalized Fermi liquids and exotic superconductivity in the Kitaev Kondo lattice*, Workshop on Constrained Quantum Dynamics, Dresden (28.3.2019)
- [224] *Exotic Landau levels: From Majorana fermions to supersymmetry*, Condensed Matter Seminar, Universität zu Köln (24.1.2019)
- [223] *Heisenberg-Kitaev: Models and Materials*, Condensed Matter Colloquium, Paul-Scherrer-Institut Villigen (30.11.2018)
- [222] *Novel phases in bilayer Kitaev models*, Workshop on Correlated Electrons in Transition-Metal Compounds: New Challenges, Dresden (6.11.2018)
- [221] *Strongly correlated electrons: From concepts to topological phases*, Fall School on Topological and Correlated Electronics, Würzburg (18.9.2018)
- [220] *Fractionalized Fermi liquids and exotic superconductivity in the Kitaev Kondo lattice*, Workshop on Frustration, Orbital Fluctuations, and Topology in Kondo Lattices and their Relatives, Dresden (17.7.2018)
- [219] *Quantum spin liquids: From solvable models to experiments*, Kolloquium des Zentrums für Quantendynamik, Universität Heidelberg (7.2.2018)
- [218] *Quantum spin liquids: From solvable models to experiments*, Physikalisches Kolloquium, Martin-Luther-Universität Halle (7.12.2017)
- [217] *Strong correlations and quantum criticality: From spin liquids to high-temperature superconductivity*, Physikalisches Kolloquium, Universität Würzburg (13.11.2017)
- [216] *Heisenberg-Kitaev: Models and Materials*, Gordon-Godfrey-Workshop on Spins and Strong Electron Correlations, Sydney (1.11.2017)
- [215] *Heisenberg-Kitaev physics in magnetic fields*, Korrelationstage, Dresden (11.9.2017)
- [214] *Bound states of fractionalized excitations in quantum spin liquids*, Workshop on Spin Liquids and Pseudofermions, Köln (13.6.2017)
- [213] *Frustrated Magnets: Theory*, 81. Frühjahrstagung der DPG, Dresden (21.3.2017)
- [212] *Modelling SmB_6 : Distinct topological crystalline phases, surface states, and surface reconstruction*, APS March Meeting, New Orleans (15.3.2017)
- [211] *Quantum spin liquids: From solvable models to experiments*, Physikalisches Kolloquium, Universität Greifswald (12.1.2017)
- [210] *Frustration and topology: Introduction*, Summer School on Correlated Magnetism, Nimbchen (19.9.2016)
- [209] *Landau levels of Majorana fermions in a spin liquid*, Workshop on Electronic Correlations to Functionality, Irsee (13.9.2016)

- [208] *Metallic states of weakly doped Mott insulators*, Conference on Strong Correlations and the Normal State of the High-Temperature Superconductors, Dresden (19.5.2016)
- [207] *Fractionalized Fermi liquids and cuprate superconductors*, Seminar über Festkörpertheorie, Freie Universität Berlin (11.5.2016)
- [206] *Landau levels of Majorana fermions in a spin liquid*, 80. Frühjahrstagung der DPG, Regensburg (7.3.2016)
- [205] *Landau levels of Majorana fermions in a spin liquid*, Conference Majorana2016, Waldthausen/Mainz (24.2.2016)
- [204] *Starke Korrelationen, neue Phasen und Quantenkritikalität*, Physikalisches Kolloquium, Universität Magdeburg (12.1.2016)
- [203] *Strong correlations and quantum criticality: From spin liquids to high-temperature superconductivity*, Physikalisches Kolloquium, Universität Bremen (29.10.2015)
- [202] *Landau levels of Majorana fermions in a spin liquid*, Korrelationstage, Dresden (1.10.2015)
- [201] *Weakly doped cuprates: Fractionalized Fermi liquids?*, Conference on Materials and Mechanisms of Superconductivity (M2S-HTSC), Geneva (27.8.2015)
- [200] *Spin liquids: Introduction and Kitaev model*, Summer School on Magnetism on the Nanoscale, Prague (27.7.2015)
- [199] *Classical and quantum phase transitions*, Doctoral Training School in Statistical Physics, Les Houches (29.6.-3.7.2015)
- [198] *Tutorial: Kitaev spin liquids*, Workshop on Novel States of Matter and Their Excitations, Berlin (16.6.2015)
- [197] *Coupled-dimer magnets: Systematic expansions, quantum criticality, and disorder*, Theorie-Kolloquium, Universität zu Köln (22.5.2015)
- [196] *Coupled-dimer magnets: Systematic expansions, quantum criticality, and disorder*, Condensed Matter Seminar, Czech Academy of Sciences, Prague (28.4.2015)
- [195] *Theoretical Concepts of Quantum Phase Transitions*, 79. Frühjahrstagung der DPG, Berlin (17.3.2015)
- [194] *Quantum Phase Transitions – Theory*, SFB/TR Focus Lecture, Universität Augsburg (23.1.2015)
- [193] *Dirty magnets: Fractional moments, excitation spectra, and cluster spin glasses*, Condensed Matter Seminar, Paul-Scherrer-Institut Villigen (7.11.2014)
- [192] *Magnetism in spin models for depleted honeycomb-lattice iridates: Spin-glass order towards percolation*, Workshop on Novel States of Matter and Their Excitations, Dresden (30.9.2014)
- [191] *Magnetism in spin models for depleted honeycomb-lattice iridates: Spin-glass order towards percolation*, Workshop on Mott Physics Beyond the Heisenberg Model, Oxford (18.9.2014)
- [190] *Non-linear bond-operator theory and 1/d expansion for coupled-dimer magnets*, Workshop on Quantum Spin Dynamics, Dresden (11.9.2014)
- [189] *Theory of heavy fermions: Problem (un)solved?*, International Conference on Strongly Correlated Electron Systems (SCES 14), Grenoble (9.7.2014)
- [188] *Dirty magnets: From fractional moments to cluster spin glasses*, European Conference on the Physics of Magnetism, Poznan (25.6.2014)
- [187] *Quantum phase transitions in impurity models and the quantum-to-classical correspondence*, Workshop on Highly Correlated Electronic Systems and Quantum Impurities, Jerusalem (11.6.2014)
- [186] *Quantum criticality and novel phases: From spin liquids to high-temperature superconductivity*, Physics Colloquium, Universiteit Utrecht (30.4.2014)
- [185] *From graphene to topological insulators*, Summer School BuildMoNa on Quantum-Coherent Structures, Leipzig (1.10.2013)
- [184] *Excitation spectra of dirty magnets*, Korrelationstage, Dresden (23.9.2013)
- [183] *Spin-glass order in spin models for doped honeycomb-lattice iridates*, Workshop on Spin-Orbital Entanglement: Exotic States of Quantum Matter in Electronic Systems, Dresden (1.8.2013)
- [182] *Disorder in the honeycomb Kitaev and Kitaev-Heisenberg models*, Workshop on New Opportunities to Study 4d and 5d Compounds, Oak Ridge (22.7.2013)
- [181] *The fate of topological-insulator surface states under strong disorder*, Seminar über Theoretische Probleme der Kondensierten Materie, Dortmund (19.6.2013)
- [180] *Starke Korrelationen, neue Phasen und Quantenkritikalität*, Physikalisches Kolloquium, Technische Universität Dortmund (18.6.2013)

- [179] *Dirty magnets: From fractional moments to cluster spin glasses*, Seminar über Festkörperphysik, Max-Planck-Institut für Festkörperforschung Stuttgart (3.6.2013)
- [178] *Narrow-band Lifshitz transitions*, Workshop on Photoemission and Electronic Structure of 4f and 5f Systems, Dresden (30.5.2013)
- [177] *Dirty magnets: From fractional moments to cluster spin glasses*, Condensed Matter Seminar, ETH Zürich (23.5.2013)
- [176] *Kondo effect in spin liquids*, Workshop on New States of Matter and Their Excitations, Berlin (23.4.2013)
- [175] *Weakly doped cuprates: Fractionalized Fermi liquids?*, Workshop on Strongly Correlated Transition-Metal Compounds, Köln (7.3.2013)
- [174] *Starke Korrelationen, neue Phasen und Quantenkritikalität*, Physikalisches Kolloquium, Universität Duisburg-Essen (9.1.2013)
- [173] *Strong correlations, novel phases, and quantum criticality*, Kolloquium über Festkörperphysik, TU München (20.12.2012)
- [172] *Spin liquids, non-Fermi liquids, and underdoped cuprates*, EuroMagNet Summer School, Juliusruh (Rügen) (6.10.2012)
- [171] *Charge density waves, fractionalized Fermi liquids, and the cuprate pseudogap*, Conference on Materials and Mechanisms of Superconductivity (M2S-HTSC), Washington (31.7.2012)
- [170] *Lifshitz transitions and non-Fermi liquid behavior in heavy-fermion metals*, International Conference on Magnetism (ICM), Busan (17.7.2012)
- [169] *Stripes, fractionalized Fermi liquids, and the cuprate pseudogap*, Workshop on Strongly Correlated Electrons in High Magnetic Fields, Les Houches (24.5.2012)
- [168] *Strong correlations, novel phases, and quantum criticality*, Physikalisches Kolloquium, Universität Göttingen (17.4.2012)
- [167] *Vacancies in antiferromagnets: Fractional moments and singular response*, Workshop on Impurities and Textures in Unconventional Magnets, Dresden (4.4.2012)
- [166] *The fate of topological-insulator surface states under strong disorder*, Workshop on Electronic Correlations and Disorder in Quantum Matter, Karlsruhe (1.4.2012)
- [165] *Quantum phase transitions in impurity models and the quantum-to-classical correspondence*, International Conference on Recent Progress in Many-Body Theories (RPMBT 16), Bariloche (1.12.2011)
- [164] *Spin liquids, non-Fermi liquids, and the cuprate pseudogap*, Condensed Matter Seminar, LNCMI Toulouse (28.10.2011)
- [163] *Cubic interactions and quantum criticality in dimerized antiferromagnets*, International Conference on Electronic Correlations in Models and Materials, Augsburg (12.9.2011)
- [162] *Quantum phase transitions in impurity models: What is needed to spoil the quantum-to-classical correspondence?*, Tokyo-Cologne Workshop on Strongly Correlated Transition-Metal Compounds, Köln (8.9.2011)
- [161] *Orbital-selective Mott transitions: A new paradigm in correlation physics*, Summer School on Multiband and Multiorbital Effects in Novel Materials, Cargese (2.8.-4.8.2011)
- [160] *Introduction to field theories for quantum magnets*, Workshop on Synergies between Field Theories and Exact Computational Methods in Strongly Correlated Quantum Matter, Trieste (23.7.2011)
- [159] *Fractional impurity moments in non-collinear magnets*, Conference on Novel Developments in Quantum Impurity Physics, Dresden (10.6.2011)
- [158] *Defect-induced spin-glass magnetism in superconducting cuprates*, Symposium on High-Temperature Superconductivity, Ringberg (18.5.2011)
- [157] *Defect-induced spin-glass magnetism in superconducting cuprates*, 477. WE-Heraeus-Seminar on Unconventional Superconductivity, Bad Honnef (12.4.2011)
- [156] *Hochtemperatur-Supraleitung in Kupraten: Lösung in Sicht?*, Physikalisches Kolloquium, Bergische Universität Wuppertal (11.4.2011)
- [155] *Quantum critical Kondo screening in graphene*, APS March Meeting, Dallas (23.3.2011)
- [154] *Quantum critical Kondo screening in graphene*, Korrelationstage, Dresden (28.2.2011)
- [153] *Orbital-selective Mott phases: A new paradigm in correlation physics*, Festkörper-Kolloquium, Max-Planck-Institut für Chemische Physik fester Stoffe Dresden (10.2.2011)
- [152] *Schmelzen am Temperaturnullpunkt: Quantenphasenübergänge in der Festkörperphysik*, Physikalisches Kolloquium, Technische Universität Dresden (14.12.2010)

- [151] *Orbital-selective Mott phases: A new paradigm in correlation physics*, Arnold-Sommerfeld-Kolloquium, LMU München (8.12.2010)
- [150] *Quantum critical Kondo screening in graphene*, Seminar über Kondensierte Materie, Universität Basel (1.12.2010)
- [149] *Quantum critical Kondo screening in graphene*, 465. WE-Heraeus-Seminar über Analytische und numerische Methoden korrelierter Elektronen, Bad Honnef (29.9.2010)
- [148] *Critical non-Fermi liquids in correlated metals*, 11th German-Japanese Symposium on Correlated Electron Systems, Hiroshima (14.9.2010)
- [147] *Quantum critical Kondo screening in graphene*, Workshop on Principles and Design of Strongly Correlated Electronic Systems, Trieste (4.8.2010)
- [146] *Nernst effect in symmetry-broken phases of cuprates*, Conference on Edge Topics in Correlated Materials, Paris (18.5.2010)
- [145] *Quantum critical Kondo screening in graphene*, Condensed Matter Theory Seminar, ICTP Trieste (6.5.2010)
- [144] *Quantum critical Kondo screening in graphene*, Seminar über Festkörpertheorie, RWTH Aachen (27.4.2010)
- [143] *Nernst effect in symmetry-broken phases of cuprates*, Workshop on Properties of High-Temperature Superconductors, München (13.4.2010)
- [142] *Orbital-selective Mott transitions: Heavy fermions and beyond*, 74. Frühjahrstagung der DPG, Regensburg (24.3.2010)
- [141] *Superconductivity: Towards a solution of the high-T_c problem*, Colloquium, Centro Atomico and Instituto Balseiro Bariloche (20.11.2009)
- [140] *From frustration to monopoles*, Condensed Matter Theory Seminar, Centro Atomico Bariloche (26.10.2009)
- [139] *Neue Phasen und Quantenkritikalität*, Theorie-Kolloquium, Technische Universität Dresden (10.9.2009)
- [138] *Starke Korrelationen, neue Phasen und Quantenkritikalität*, Theorie-Kolloquium, Universität Karlsruhe (21.7.2009)
- [137] *Orbital-selective Mott transitions: Heavy fermions and beyond*, Summer Workshop on Emergent Phenomena, Cargese (7.7.2009)
- [136] *Properties of valence-bond stripes in cuprates*, Workshop on Inhomogeneous Phases in Strongly Correlated Electron Systems, Paris (30.6.2009)
- [135] *Properties of valence-bond stripes in cuprates*, KITP Conference on Higher-Temperature Superconductivity, Santa Barbara (24.6.2009)
- [134] *Towards a solution of the high-T_c problem*, Physikalisches Kolloquium, Universität Saarbrücken (28.5.2009)
- [133] *Melting at absolute zero: Quantum phase transitions in condensed matter*, Kolloquium Optik und Kondensierte Materie, Universität Bonn (12.5.2009)
- [132] *Volume collapse and Fermi surface transitions in heavy fermions and iron pnictides*, Condensed Matter Seminar, University of Cambridge (7.5.2009)
- [131] *Volume collapse and Fermi surface transitions in heavy fermions and iron pnictides*, Condensed Matter Seminar, Universität Fribourg (24.4.2009)
- [130] *Lattice symmetry breaking in cuprate superconductors: How stripy is the pseudogap?*, Condensed Matter Seminar at ISIS, Rutherford Appleton Laboratory, Didcot (21.4.2009)
- [129] *High-T_c superconductors: Fluctuating stripes and supersolids*, Seminar über Festkörpertheorie, Bergische Universität Wuppertal (15.1.2009)
- [128] *Melting at absolute zero: Quantum phase transitions in condensed matter*, SFB-Kolloquium, Universität Göttingen (12.12.2008)
- [127] *Almost deconfined spinons: Dual character of excitations in frustrated magnets*, Seminar über Festkörpertheorie, Max-Planck-Institut für Festkörperforschung Stuttgart (12.11.2008)
- [126] *Disordered valence-bond stripes in cuprates*, Workshop on Properties of Cuprate Superconductors, Ringberg (3.11.2008)
- [125] *Weakly confined spinons in frustrated magnets*, Seminar über korrelierte Elektronensysteme, Max-Planck-Institut für Physik komplexer Systeme Dresden (24.10.2008)
- [124] *Schmelzen am Temperaturnullpunkt: Quantenphasenübergänge in der Festkörperphysik*, Sommerfeld-Seminar, Universität Leipzig (16.10.2008)
- [123] *Dimensional reduction in frustrated quantum critical magnets*, Workshop on Ordering Phenomena in Transition Metal Oxides, Augsburg (6.10.2008)

- [122] *Weakly confined spinons in frustrated magnets*, 10th German-Japanese Symposium on Correlated Electron Systems, Ringberg (28.9.2008)
- [121] *Superconducting d-wave stripes in cuprates*, International Conference on Strongly Correlated Electron Systems (SCES 08), Buzios (19.8.2008)
- [120] *Valence-bond supersolids in cuprates*, Conference on Frontiers of Quantum and Mesoscopic Thermodynamics (FQMT 08), Prag (1.8.2008)
- [119] *High-T_c superconductors: Fluctuating stripes and supersolids*, Condensed Matter Theory Seminar, University of Oxford (16.5.2008)
- [118] *Melting at absolute zero: Quantum phase transitions in condensed matter*, Theorie-Kolloquium, Universität Mainz (8.5.2008)
- [117] *Superconducting d-wave stripes in cuprates: Weakly pinned valence bond solids*, 72. Frühjahrstagung der DPG, Berlin (28.2.2008)
- [116] *Melting at absolute zero: Quantum phase transitions in condensed matter*, 19. Edgar-Lüscher-Seminar, Klosters (17.2.2008)
- [115] *Melting at absolute zero: Quantum phase transitions in condensed matter*, Kolloquium über Festkörperphysik, TU München (7.2.2008)
- [114] *Melting at absolute zero: Quantum phase transitions in condensed matter*, Physikalisches Kolloquium, Universität Regensburg (4.2.2008)
- [113] *d-wave stripes in cuprates*, Workshop on Properties of High-Temperature Superconductors, München (17.12.2007)
- [112] *Strong correlations, novel phases, and quantum criticality*, Workshop on Theoretical Condensed Matter Physics, IFW Dresden (15.12.2007)
- [111] *Melting at absolute zero: Quantum phase transitions in condensed matter*, Physikalisches Kolloquium, Universität Bielefeld (10.12.2007)
- [110] *Schmelzen am Temperaturnullpunkt: Quantenphasenübergänge in der Festkörperphysik*, Physikalisches Kolloquium, Universität zu Köln (4.12.2007)
- [109] *Schmelzen am Temperaturnullpunkt: Quantenphasenübergänge in der Festkörperphysik*, Physikalisches Kolloquium, Universität Frankfurt (21.11.2007)
- [108] *Quantum phase transitions and dimensional reduction in antiferromagnets with inter-layer frustration*, Workshop on Quantum Matter, Köln (10.10.2007)
- [107] *Heavy Fermi liquids with hybridization nodes: Arranging competition in momentum space*, Conference on New Trends in Quantum Impurity Physics, Dresden (24.8.2007)
- [106] *Strong inhomogeneities and non-Fermi liquids in randomly depleted Kondo lattices*, Seminar über Festkörpertheorie, RWTH Aachen (5.6.2007)
- [105] *Dimensional reduction and quantum criticality in frustrated antiferromagnets*, Theorie-Kolloquium, Universität Bonn (16.4.2007)
- [104] *Strong inhomogeneities and non-Fermi liquids in randomly depleted Kondo lattices*, Workshop on Novel Concepts in Disordered and Interacting Quantum Systems, Hangzhou (12.3.2007)
- [103] *On dimensional reduction in frustrated critical antiferromagnets*, Workshop on Mobile Bosons and Fermions on Frustrated Lattices, Dresden (11.1.2007)
- [102] *Fluctuating stripes in cuprate superconductors*, Seminar über Festkörperphysik, IFW Dresden (10.1.2007)
- [101] *Quantum phase transitions in correlated metals*, Condensed Matter Seminar, Università di Catania (2.10.2006)
- [100] *Strong inhomogeneities and non-Fermi liquids in randomly depleted Kondo lattices*, Workshop on Novel States of Quantum Matter, Trieste (24.8.2006)
- [99] *Strong inhomogeneities and non-Fermi liquids in randomly depleted Kondo lattices*, Workshop on Advanced Quantum Materials, Seoul (20.7.2006)
- [98] *Universal spin excitations from fluctuating stripes in cuprates*, Conference on Materials and Mechanisms of Superconductivity (M2S-HTSC), Dresden (11.7.2006)
- [97] *Quantum phase transitions in correlated electron systems*, Theorie-Kolloquium, LMU München (17.5.2006)
- [96] *Fluctuating stripes in cuprate superconductors*, Conference on Condensed Matter and Materials Physics (CMMP) 2006, Exeter (20.4.2006)
- [95] *Fluctuating stripes in cuprate superconductors*, Workshop on Novel Materials and Superconductors, Planneralp (13.2.2006)
- [94] *Strong correlations and quantum criticality*, Workshop on Novel Materials and Superconductors, Planneralp (12.2.2006)

- [93] *Impurity quantum phase transitions: Theories and applications*, Seminar über Festkörpertheorie, Universität Hannover (12.12.2005)
- [92] *Spin excitations in fluctuating stripe phases*, SFB-Seminar, Universität Augsburg (29.11.2005)
- [91] *Quantum phase transitions in condensed matter*, Seminar über korrelierte Elektronensysteme, Max-Planck-Institut für Physik komplexer Systeme Dresden (10.11.2005)
- [90] *Spin excitations in fluctuating stripe phases*, Workshop on High-Temperature Superconductors, Ringberg (8.11.2005)
- [89] *Quantum criticality and exotic phases in condensed matter*, Workshop on the Theory of Quantum Gases and Quantum Coherence, Cortona (30.10.2005)
- [88] *Quantum phase transitions in correlated electron systems*, Kolloquium über Festkörperphysik, TU München (20.10.2005)
- [87] *The Kondo effect in spin liquids*, KITP Miniprogram on Complexity in Transition Metal Oxides, Santa Barbara (27.7.2005)
- [86] *Quantum phase transitions in condensed matter*, Physikalisches Kolloquium, Freie Universität Berlin (24.6.2005)
- [85] *Introduction to quantum phase transitions*, Helmholtz Workshop on Quantum Phase Transitions, Universität/Forschungszentrum Karlsruhe (13.6.2005)
- [84] *Quantum phase transitions in condensed matter*, SFB-Kolloquium, Universität Köln (8.6.2005)
- [83] *Quantum phase transitions in condensed matter*, Theorie-Kolloquium, TU Kaiserslautern (31.5.2005)
- [82] *Quantum phase transitions in condensed matter*, Physikalisches Kolloquium, Universität Frankfurt (11.5.2005)
- [81] *Fluctuating orders in doped Mott insulators*, Workshop on Collective Quantum States in Low-Dimensional Transition Metal Oxides, Dresden (22.2.2005)
- [80] *Quantenphasenübergänge in der Festkörperphysik*, Theorie-Kolloquium, Universität Bayreuth (15.2.2005)
- [79] *Impurity quantum phase transitions*, Theorie-Kolloquium, Universität Köln (4.2.2005)
- [78] *Quantum criticality in heavy-fermion metals*, Seminar über Festkörpertheorie, Universität Bremen (3.2.2005)
- [77] *Fluctuating orders and quantum phase transitions in correlated metals*, Seminar über Festkörpertheorie, TU Braunschweig (28.1.2005)
- [76] *Quantenphasenübergänge in der Festkörperphysik*, Physikalisches Kolloquium, Universität Würzburg (24.1.2005)
- [75] *Quantum phase transitions*, Vorlesungen im Rahmen einer Gastprofessur, Universität Innsbruck (22.11.–1.12.2004)
- [74] *Bond charge order in doped Mott insulators*, Workshop on Ordering Phenomena in Cuprate Superconductors, München (5.11.2004)
- [73] *Fluctuating orders and quantum phase transitions in doped Mott insulators*, Gordon Research Conference on Superconductivity, Oxford (20.9.2004)
- [72] *Quantum phase transitions*, Summer School on Correlated Electrons, Debrecen (8.9.2004)
- [71] *Quantum criticality in heavy-electron metals*, Kolloquium über Festkörperphysik, Max-Planck-Institut für Chemische Physik fester Stoffe Dresden (19.8.2004)
- [70] *Quantum phase transitions: Theory*, PSI Summer School on Condensed Matter Physics, Zuoz (13.8.2004)
- [69] *Bond order and spin excitations in cuprates*, 8th German-Japanese Symposium on Correlated Electron Systems, Freudenstadt (2.8.2004)
- [68] *Phase transitions and critical dimensions in quantum impurity models*, Workshop on Novel States and Phase Transitions in Highly Correlated Matter, Trieste (12.7.2004)
- [67] *Quantum phase transitions in condensed matter physics*, Theorie-Kolloquium, Freie Universität Berlin (5.7.2004)
- [66] *Phase transitions and critical dimensions in quantum impurity models*, Seminar über Festkörpertheorie, Ruhr-Universität Bochum (29.6.2004)
- [65] *Quantum phase transitions in condensed matter physics*, Seminar über Festkörpertheorie, Universität Heidelberg (24.6.2004)
- [64] *Phase transitions and critical dimensions in quantum impurity models*, KITP Workshop on Exotic Order and Criticality in Quantum Matter, Santa Barbara (13.4.2004)

- [63] *Quantum criticality in magnetic metals*, 15. Edgar-Lüscher-Seminar, Bad Serneus (19.2.2004)
- [62] *Impurity quantum phase transitions: Theories and applications*, Seminar über Festkörpertheorie, Universität Marburg (12.1.2004)
- [61] *Competing orders and quantum phase transitions in the cuprates*, SFB-Kolloquium, Universität Köln (7.1.2004)
- [60] *Impurity quantum phase transitions: Theories and applications*, Condensed Matter Seminar, Universität Genf (28.11.2003)
- [59] *Quantum phase transitions and non-Fermi liquids in heavy-electron materials*, Atelier Physique Theoretique, Grenoble (13.11.2003)
- [58] *Phase diagram and dynamics of the sub-ohmic spin-boson model*, International Conference on Functional Nanostructures, Karlsruhe (1.10.2003)
- [57] *Quantum phase transitions in solid state physics*, Invited Lectures at the Oak Ridge National Laboratory NSET workshop, Fall Creek Falls (22.9.–24.9.2003)
- [56] *Impurity quantum phase transitions: Theories and applications*, Condensed Matter Theory Seminar, Yale University (18.9.2003)
- [55] *Impurity quantum phase transitions: Theories and applications*, Condensed Matter Theory Seminar, Harvard University (16.9.2003)
- [54] *Competing orders and quantum phase transitions in cuprate superconductors*, Condensed Matter Seminar, Seoul National University (11.8.2003)
- [53] *Quantum impurities in cuprate superconductors*, Condensed Matter Seminar, Sung Kyun Kwan University (11.8.2003)
- [52] *Quantum phase transitions in solid state physics*, Lecture Series at the Asia-Pacific Center for Theoretical Physics, Pohang (5.8.–9.8.2003)
- [51] *Fractionalized Fermi liquids*, Workshop on Quantum Phase Transitions, Dresden (11.7.2003)
- [50] *Competing orders and quantum phase transitions in correlated electron systems*, Seminar über Festkörperphysik, Forschungszentrum Karlsruhe (3.7.2003)
- [49] *Quantum phase transitions in solid state physics*, Seminar über Theoretische Physik, Universität Göttingen (23.6.2003)
- [48] *Fractionalized Fermi liquids*, Workshop on Fermi Liquid Instabilities in Correlated Metals, Dresden (12.6.2003)
- [47] *Competing orders and quantum phase transitions in cuprate superconductors*, Seminar über Festkörpertheorie, LMU München (8.5.2003)
- [46] *Fractionalized Fermi liquids*, Seminar über Festkörpertheorie, ETH Zürich (15.4.2003)
- [45] *Quantum phase transitions in solid state physics*, Seminar über Festkörpertheorie, Universität Regensburg (10.4.2003)
- [44] *Quantum impurities in cuprate superconductors*, Workshop on Modern Aspects of Quantum Impurity Physics, Dresden (7.4.2003)
- [43] *Quantum phase transitions in solid state physics*, Condensed Matter Seminar, Universität Strasbourg (4.4.2003)
- [42] *Competing orders and quantum phase transitions in cuprate superconductors*, Condensed Matter Seminar, University of Sherbrooke (12.3.2003)
- [41] *Impurity quantum phase transitions: Kondo effect, tunneling, and transport*, Condensed Matter Seminar, Duke University (10.3.2003)
- [40] *Spin and charge order in superconducting cuprates*, APS March Meeting, Austin (4.3.2003)
- [39] *Competing orders in cuprate superconductors*, Condensed Matter Theory Seminar, Universität Fribourg (31.1.2003)
- [38] *Magnetism, collective modes, and STM spectra in cuprates*, Gordon Research Conference on Superconductivity, Ventura (15.1.2003)
- [37] *Competing orders and quantum phase transitions in the cuprates*, Seminar zur Festkörperphysik, Walter-Meissner-Institut Garching (13.12.2002)
- [36] *Quantum phase transitions in antiferromagnets and superconductors*, Physics Colloquium, University of Missouri-Rolla (31.10.2002)
- [35] *Impurity moments in cuprate superconductors*, 287. WE-Heraeus-Seminar on Quantum Transport through Nano-Wires, Point Contacts, and near Interfaces, Bad Honnef (22.10.2002)
- [34] *Competing orders and quantum phase transitions in the cuprates*, Condensed Matter Theory Seminar, Universiteit Utrecht (17.10.2002)
- [33] *Spin and charge order in cuprate superconductors*, Nato Advanced Research Workshop on Concepts in Electron Correlations, Hvar (30.9.2002)

- [32] *Competing orders and quantum phase transitions in the cuprates*, Seminar über Festkörpertheorie, Max-Planck-Institut für Physik komplexer Systeme Dresden (23.7.2002)
- [31] *Competing orders and quantum phase transitions in the cuprates*, 7th German-Japanese Symposium on Correlated Electron Systems, Seeon (16.7.2002)
- [30] *Quantum phase transition in solid state physics*, Theorie-Seminar, Universität Stuttgart (9.7.2002)
- [29] *Quantum phase transitions in antiferromagnets and superconductors*, Theorie-Kolloquium, Universität Saarbrücken (25.6.2002)
- [28] *Quantenphasenübergänge in Antiferromagneten und Supraleitern*, Seminar über Festkörpertheorie, RWTH Aachen (20.6.2002)
- [27] *Competing orders and quantum phase transitions in the cuprates*, Condensed Matter Seminar, Universität Lausanne (6.6.2002)
- [26] *Quantenphasenübergänge in Antiferromagneten und Supraleitern*, Seminar über Festkörpertheorie, Universität Hamburg (3.5.2002)
- [25] *Competing orders in cuprate superconductors*, Seminar über Festkörpertheorie, Max-Planck-Institut für Festkörperforschung Stuttgart (3.4.2002)
- [24] *Quantenphasenübergänge in Antiferromagneten und Supraleitern*, Theorie-Kolloquium, Universität Karlsruhe (31.1.2002)
- [23] *Impurities and quantum magnetism in high-Tc superconductors*, Seminar über Festkörpertheorie, LMU München (29.11.2001)
- [22] *Impurities and quantum magnetism in the cuprates*, Seminar zur Theorie der kondensierten Materie, RWTH Aachen (27.11.2001)
- [21] *Competing orders and quantum phase transitions in d-wave superconductors*, Theoretisch-Physikalisches Seminar, Universität Hannover (16.11.2001)
- [20] *Defects and local excitations in cuprates*, Workshop on Strongly Correlated Electron Systems, Leiden (7.11.2001)
- [19] *Defects in cuprates - Magnetism and spectral properties*, Workshop on Excitations in Unconventionally Ordered Metals, Santa Fe (26.10.2001)
- [18] *Impurity magnetism in correlated metals and superconductors*, Workshop on Defects in Correlated Electron Systems, Dresden (22.7.2001)
- [17] *Impurities in nearly critical magnets and superconductors*, International Conference on Magnetic Correlations, Superconductivity, and Novel Materials, Dresden (19.7.2001)
- [16] *Quantum phase transitions in d-wave superconductors*, Seminar über Festkörpertheorie, Universität Heidelberg (21.6.2001)
- [15] *Störstellen und Magnetismus in den Kupraten*, Seminar über Festkörpertheorie, TU Braunschweig (17.5.2001)
- [14] M. Vojta: *Quantenphasenübergänge und Quasiteilchendämpfung in d-Wellen-Supraleitern*, 65. Frühjahrstagung der DPG, Hamburg (29.3.2001)
- [13] *Impurities in d-wave superconductors: Kondo spin dynamics and tunneling spectra*, APS March Meeting, Seattle (15.3.2001)
- [12] *Impurities and quantum magnetism in high-Tc superconductors*, Lorentz-Seminar, Universität Leiden (1.3.2001)
- [11] *Impurities and quantum magnetism in high-Tc superconductors*, Seminar über Festkörperphysik, TU Chemnitz (6.12.2000)
- [10] *Impurities and quantum magnetism in the cuprates*, Seminar über Festkörperphysik, Max-Planck-Institut für Festkörperforschung Stuttgart (15.11.2000)
- [9] *Impurities and quantum magnetism in the cuprates*, Theorie-Kolloquium, TU Dresden (2.11.2000)
- [8] *Impurity dynamics in high-Tc superconductors*, Seminar über Festkörpertheorie, Universität Karlsruhe (30.10.2000)
- [7] *Impurities and quantum magnetism in the cuprates*, Condensed Matter Seminar, Université de Paris-Sud Orsay (26.10.2000)
- [6] M. Vojta: *Quantum phase transitions and quasiparticle damping in d-wave superconductors*, 3rd International Conference on Stripes and High-Temperature Superconductivity, Rom (27.9.2000)
- [5] *Stripe charge order and superconductivity in doped antiferromagnets*, Condensed Matter Theory Seminar, Brown University, Providence (10.2.2000)
- [4] *Ladungsordnung und Supraleitung in dotierten Antiferromagneten*, Seminar zur Theorie der Kondensierten Materie, Universität Augsburg (15.12.1999)
- [3] *Ladungsordnung in dotierten Antiferromagneten*, Seminar über Festkörperphysik, TU Dresden (15.6.1999)

- [2] *Magnetic properties of weakly doped high-temperature superconductors*, Seminar über Festkörperphysik, TU Chemnitz (2.4.1998)
- [1] *Dynamical charge correlations in weakly doped anti-ferromagnets*, Seminar über korrelierte Elektronensysteme, Max-Planck-Institut für Physik komplexer Systeme Dresden (26.2.1997)

Konferenzbeiträge

- [271] M. Vojta, *Emergent chiral metal near a Kondo breakdown quantum phase transition*, Workshop on Unconventional magnets, metals, and superconductors, Berlin (2024)
- [270] M. Vojta, *Emergent chiral metal near a Kondo breakdown quantum phase transition*, International Conference on Magnetism (ICM), Bologna (2024)
- [269] T. Drechsler and M. Vojta, *Emergent chiral metal near a Kondo breakdown quantum phase transition*, SKM-Frühjahrstagung der DPG, Berlin (2024)
- [268] C. Kourris und M. Vojta, *Kondo screening in Kitaev-type spin-orbital liquids*, SKM-Frühjahrstagung der DPG, Berlin (2024)
- [267] G. Fragkopoulou und M. Vojta, *Bond disorder in extended Heisenberg-Kitaev models*, SKM-Frühjahrstagung der DPG, Berlin (2024)
- [266] D. Lozano-Gomez, Y. Iqbal und M. Vojta, *A novel classical spin-liquid with fractionalized bionic charges and chiral field excitations in the pyrochlore lattice*, SKM-Frühjahrstagung der DPG, Berlin (2024)
- [265] M. Miranda und M. Vojta, *Kondo screening in Kitaev spin liquids with a Fermi surface*, SKM-Frühjahrstagung der DPG, Berlin (2024)
- [264] J. Karl, J. Erdmenger, Z.-Y. Xian, Y. Thurn und M. Vojta, *JT gravity on hyperbolic lattices as an Ising model*, SKM-Frühjahrstagung der DPG, Berlin (2024)
- [263] P. M. Consoli und M. Vojta, *Disorder effects in spiral spin liquids: Long-range spin textures, Friedel-like oscillations, and spiral spin glasses*, APS March Meeting, Minneapolis (2024)
- [263] J. A. Hoyos, M. Vojta und E. C. Andrade, *From disorder to order and back again*, APS March Meeting, Minneapolis (2024)
- [261] M. Vojta, *Emergent chiral metal near a Kondo breakdown quantum phase transition*, Conference on Fractionalization and Emergent Gauge Field, Trieste (2023)
- [260] M. Vojta, *Emergent mesoscale quantum phase transition in a ferromagnet*, Workshop on Strong Electron Correlations in Quantum Materials, Sao Paulo (2023)
- [259] M. Vojta, *Emergent mesoscale quantum phase transition in a ferromagnet*, Sino-German Workshop on Topology, Dynamics and Quantum Information in Condensed Matter Systems, Hangzhou (2023)
- [258] C. Kourris und M. Vojta, *Kondo screening and coherence on the Kagome lattice: Energy scales of the Kondo effect in the presence of flat bands*, SKM-Frühjahrstagung der DPG, Dresden (2023)
- [257] P. M. C nsoli und M. Vojta, *Kondo breakdown transitions and phase-separation tendencies in valence-fluctuating heavy-fermion materials*, SKM-Frühjahrstagung der DPG, Dresden (2023)
- [256] F. K hler und M. Vojta, *Strain-induced pseudo-Landau levels in semimetals from dimensional reduction*, SKM-Frühjahrstagung der DPG, Dresden (2023)
- [255] P. M. C nsoli und M. Vojta, *Disorder effects in spiral spin liquids*, SKM-Frühjahrstagung der DPG, Dresden (2023)
- [254] B. Frank, Z. H. Liu, F. F. Assaad, M. Vojta und L. Janssen, *Marginal Fermi liquid at a magnetic quantum critical point from dimensional confinement*, SKM-Frühjahrstagung der DPG, Dresden (2023)
- [253] A. Engelhardt, A. Wendl, A. Bauer, A. Erb, M. Vojta und C. Pfleiderer, *Transverse-field quantum phase transitions in CoNb_2O_6* , SKM-Frühjahrstagung der DPG, Dresden (2023)
- [252] M. Weber und M. Vojta, *Fixed-point annihilation and duality in the $SU(2)$ -symmetric spin-boson model*, SKM-Frühjahrstagung der DPG, Dresden (2023)
- [251] S. Dey, J. Maciejka und M. Vojta, *A Schwinger boson theory of the $1/3$ magnetization plateau on the triangular lattice*, SKM-Frühjahrstagung der DPG, Dresden (2023)
- [250] M. Vojta, *Emergent mesoscale quantum phase transition in a ferromagnet*, Quantum Materials Symposium, Yongpyong (2023)

- [249] A. Wendl, H. Eisenlohr, J. Spallek, C. Duvinage, M. Vojta und C. Pfleiderer, *Specific heat and magnetocaloric effect at transverse-field quantum criticality in LiHoF_4* , SKM-Herbsttagung der DPG, Regensburg (2022)
- [248] Z. Liu M. Vojta, F. F. Assaad und L. Janssen, *Metallic and deconfined quantum criticality in Dirac system*, SKM-Herbsttagung der DPG, Regensburg (2022)
- [247] B. Danu, M. Vojta, T. Grover und F. F. Assaad, *Spin chain on a metallic surface: Dissipation-induced order vs. Kondo entanglement*, SKM-Herbsttagung der DPG, Regensburg (2022)
- [246] M. Vojta, *Strain tuning of frustrated magnets: Spin liquids and Landau levels*, Focus Workshop on Band Topology in Quantum Magnets, Dresden (2022)
- [245] M. Vojta and L. Janssen, *Modelling $\alpha\text{-RuCl}_3$* , Focus Workshop on Thermal Transport and Microscopic Descriptions of $\alpha\text{-RuCl}_3$, Dresden (2021)
- [244] M. Vojta, *Quantum magnetism, spin liquids, and topology*, 39th SPP Physics Conference, Philippines (2021)
- [243] M. Vojta, *Emergent mesoscale antiferromagnetism near ferromagnetic quantum criticality*, Workshop on Correlations in Novel Quantum Materials, Stuttgart (2021)
- [242] M. Vojta, *Frustrated Magnetism and Spin Liquids*, Quantum Materials Canada Workshop (2021)
- [241] M. Vojta, *Kondo physics, quantum phase transitions, and exotic metals*, Winter School on Gapless Fermions - from Fermi liquids to strange metals, MPI-PKS Dresden (2020)
- [240] M. Vojta, S. Dey, J. A. Hoyos, E. C. Andrade und S. Rachel, *Destruction of magnetic long-range order by quenched disorder: Triangular and pyrochlore antiferromagnets*, Workshop on Frustrated Magnetism, Daejeon (2019)
- [239] M. Vojta, H. Eisenlohr und S.-S. B. Lee, *Quantum Criticality near the Mott Transition*, Korrelationstage, Dresden (2019)
- [238] M. Vojta, J. A. Hoyos, E. C. Andrade und S. Rachel, *Cluster-glass phase in pyrochlore XY antiferromagnets with quenched disorder*, Workshop on Quantum Ferromagnetism, Dresden (2019)
- [237] S. Ray, M. Vojta und L. Janssen, *Quantum critical behavior of 2D Fermi systems with quadratic band touching*, SKM-Frühjahrstagung der DPG, Regensburg (2019)
- [236] H. Eisenlohr, S.-S. B. Lee, A. Weichselbaum und M. Vojta, *Quantum Criticality near the Mott Transition*, SKM-Frühjahrstagung der DPG, Regensburg (2019)
- [235] U. F. P. Seifert, J. Gritsch, E. Wagner, D. G. Joshi, W. Brenig, M. Vojta und K. P. Schmidt, *Bi-layer Kitaev models: Phase diagrams and novel phases*, SKM-Frühjahrstagung der DPG, Regensburg (2019)
- [234] M. M. Nayga, S. Rachel und M. Vojta, *Antiferromagnetic magnons with strain*, SKM-Frühjahrstagung der DPG, Regensburg (2019)
- [233] M. Vojta, S. Rachel und M. M. Nayga, *Exotic Landau levels: From Majorana fermions to supersymmetry*, Workshop on Quantum Dynamics, Transport, and Exotic Order, Dresden (2019)
- [232] M. Vojta and U. F. P. Seifert, *Fractionalized Fermi liquids and exotic superconductivity in the Kitaev Kondo lattice*, Workshop on Constrained Quantum Dynamics, Dresden (2019)
- [231] M. Vojta and U. F. P. Seifert, *Novel phases in bi-layer Kitaev models*, Workshop on Correlated Electrons in Transition-Metal Compounds: New Challenges, Dresden (2018)
- [230] M. Vojta, *Strongly correlated electrons: From concepts to topological phases*, Fall School on Topological and Correlated Electronics, Würzburg (2018)
- [229] M. Vojta and U. F. P. Seifert, *Fractionalized Fermi liquids and exotic superconductivity in the Kitaev Kondo lattice*, Workshop on Frustration, Orbital Fluctuations, and Topology in Kondo Lattices and their Relatives, Dresden (2018)
- [228] M. Vojta, J. A. Hoyos, E. C. Andrade und S. Rachel, *Cluster-glass phase in pyrochlore XY antiferromagnets with quenched disorder*, 82. Frühjahrstagung der DPG, Berlin (2018)
- [227] S. Dey und M. Vojta, *Quenched bond disorder in a non-collinear antiferromagnet*, 82. Frühjahrstagung der DPG, Berlin (2018)
- [226] U. F. P. Seifert, T. Meng und M. Vojta, *Fractionalized Fermi liquids and exotic superconductivity in the Kitaev Kondo lattice*, 82. Frühjahrstagung der DPG, Berlin (2018)
- [225] M. Vojta, *Heisenberg-Kitaev: Models and Materials*, Gordon-Godfrey-Workshop on Spins and Strong Electron Correlations, Sydney (1.11.2017)
- [224] M. Vojta, L. Janssen und E. C. Andrade, *Heisenberg-Kitaev physics in magnetic fields*, Korrelationstage, Dresden (2017)

- [223] M. Vojta, *Bound states of fractionalized excitations in quantum spin liquids*, Workshop on Spin Liquids and Pseudofermions, Köln (2017)
- [222] M. Vojta, *Frustrated Magnets: Theory*, 81. Frühjahrstagung der DPG, Dresden (2017)
- [221] L. Janssen, E. C. Andrade und M. Vojta, *Honeycomb-lattice Heisenberg-Kitaev model in a magnetic field: Spin canting, metamagnetism, and vortex crystals*, 81. Frühjahrstagung der DPG, Dresden (2017)
- [220] J. Gritsch, M. Vojta und K. P. Schmidt, *Quantum phase diagram of a bilayer Kitaev model with inter-layer Heisenberg interaction*, 81. Frühjahrstagung der DPG, Dresden (2017)
- [219] D. G. Joshi und M. Vojta, *J_1 - J_2 Heisenberg model on a triangular-lattice bilayer*, 81. Frühjahrstagung der DPG, Dresden (2017)
- [218] M. Vojta und P. P. Baruselli, *Modelling SmB_6 : Distinct topological crystalline phases, surface states, and surface reconstruction*, APS March Meeting, New Orleans (2017)
- [217] S. Rachel, I. Goethel, D. P. Arovas und M. Vojta, *Strain-induced Landau Levels in arbitrary dimensions with an exact spectrum*, APS March Meeting, New Orleans (2017)
- [216] M. Vojta, *Landau levels of Majorana fermions in a spin liquid*, Workshop on Electronic Correlations to Functionality, Irsee (2016)
- [215] M. Vojta, *Metallic states of weakly doped Mott insulators*, Conference on Strong Correlations and the Normal State of the High-Temperature Superconductors, Dresden (2016)
- [214] M. Vojta, *Landau levels of Majorana fermions in a spin liquid*, 80. Frühjahrstagung der DPG, Regensburg (2016)
- [213] S. Rachel, M. Laubach, D. G. Joshi, J. Reuther, R. Thomale und M. Vojta, *Quantum disordered insulating phase in the frustrated cubic-lattice Hubbard model*, 80. Frühjahrstagung der DPG, Regensburg (2016)
- [212] D. G. Joshi und M. Vojta, *$1/d$ expansion for the transverse-field Ising model*, 80. Frühjahrstagung der DPG, Regensburg (2016)
- [211] E. Wolf, E. C. Andrade und M. Vojta, *Slow holes in triangular-lattice antiferromagnets: Spin textures and quasiparticle destruction*, 80. Frühjahrstagung der DPG, Regensburg (2016)
- [210] M. Vojta, *Landau levels of Majorana fermions in a spin liquid*, Conference Majorana2016, Waldthausen/Mainz (2016)
- [209] M. Vojta, *Landau levels of Majorana fermions in a spin liquid*, Korrelationstage, Dresden (2015)
- [208] M. Vojta, *Weakly doped cuprates: Fractionalized Fermi liquids?*, Conference on Materials and Mechanisms of Superconductivity (M2S-HTSC), Geneva (2015)
- [207] M. Vojta, *Tutorial: Kitaev spin liquids*, Workshop on Novel States of Matter and Their Excitations, Berlin (2015)
- [206] D. G. Joshi und M. Vojta, *Non-linear bond-operator theory and $1/d$ expansion for coupled-dimer magnets*, 79. Frühjahrstagung der DPG, Berlin (2015)
- [205] P. P. Baruselli und M. Vojta, *Scanning tunneling spectroscopy and surface quasiparticle interference in models for the topological Kondo insulator SmB_6* , 79. Frühjahrstagung der DPG, Berlin (2015)
- [204] M. Vojta, *Theoretical Concepts of Quantum Phase Transitions*, 79. Frühjahrstagung der DPG, Berlin (2015)
- [203] M. Vojta und E. C. Andrade, *Magnetism in spin models for depleted honeycomb-lattice iridates: Spin-glass order towards percolation*, Workshop on Novel States of Matter and Their Excitations, Dresden (2014)
- [202] M. Vojta und E. C. Andrade, *Magnetism in spin models for depleted honeycomb-lattice iridates: Spin-glass order towards percolation*, Workshop on Mott Physics Beyond the Heisenberg Model, Oxford (2014)
- [201] M. Vojta und D. Joshi, *Non-linear bond-operator theory and $1/d$ expansion for coupled-dimer magnets*, Workshop on Quantum Spin Dynamics, Dresden (2014)
- [200] M. Vojta, *Theory of heavy fermions: Problem (un)solved?*, International Conference on Strongly Correlated Electron Systems (SCES 14), Grenoble (2014)
- [199] M. Vojta, *Dirty magnets: From fractional moments to cluster spin glasses*, European Conference on the Physics of Magnetism, Poznan (2014)
- [198] M. Vojta, *Quantum phase transitions in impurity models and the quantum-to-classical correspondence*, Workshop on Highly Correlated Electronic Systems and Quantum Impurities, Jerusalem (2014)

- [197] M. Vojta und E. C Andrade, *Magnetism in spin models for depleted honeycomb-lattice iridates: Spin-glass order towards percolation*, SKM-Frühjahrstagung der DPG, Dresden (2014)
- [196] D. G. Joshi, K. Coester, K. P. Schmidt und M. Vojta, *Non-linear bond-operator theory and $1/d$ expansion for coupled-dimer magnets*, SKM-Frühjahrstagung der DPG, Dresden (2014)
- [195] P. P. Baruselli und M. Vojta, *Kondo holes in topological Kondo insulators*, SKM-Frühjahrstagung der DPG, Dresden (2014)
- [194] M. Vojta, *From graphene to topological insulators*, Summer School BuildMoNa on Quantum-Coherent Structures, Leipzig (2013)
- [193] M. Vojta, *Excitation spectra of dirty magnets*, Korrelationstage, Dresden (2013)
- [192] E. Andrade und M. Vojta, *Magnetism in spin models for depleted honeycomb-lattice iridates: Spin-glass order towards percolation*, Workshop on Quantum Criticality: Experiment and Theory, Freudenstadt (2013)
- [191] M. Vojta und E. Andrade, *Spin-glass order in spin models for doped honeycomb-lattice iridates*, Workshop on Spin-Orbital Entanglement: Exotic States of Quantum Matter in Electronic Systems, Dresden (2013)
- [190] M. Vojta und E. Andrade, *Disorder in the honeycomb Kitaev and Kitaev-Heisenberg models*, Workshop on New Opportunities to Study 4d and 5d Compounds, Oak Ridge (2013)
- [189] M. Vojta, *Narrow-band Lifshitz transition*, Workshop on Photoemission and Electronic Structure of 4f and 5f Systems, Dresden (2013)
- [188] M. Vojta, *Kondo effect in spin liquids*, Workshop on New States of Matter and Their Excitations, Berlin (2013)
- [187] M. Vojta, *Quantum phase transitions in coupled-dimer magnets: Systematic expansions and disorder*, 77. Frühjahrstagung der DPG, Regensburg (2013)
- [186] L. Fritz, A. Mitchell, D. Schuricht, and M. Vojta, *Kondo effect on the surface of 3D topological insulators: Signatures in scanning tunneling spectroscopy*, 77. Frühjahrstagung der DPG, Regensburg (2013)
- [185] E. C. Andrade, M. Brando, C. Geibel, and M. Vojta, *Competing Magnetic Anisotropies and Multicriticality: The Case of Co-doped YbRh_2Si_2* , 77. Frühjahrstagung der DPG, Regensburg (2013)
- [184] M. Vojta, *Weakly doped cuprates: Fractionalized Fermi liquids?*, Workshop on Strongly Correlated Transition-Metal Compounds, Köln (2013)
- [183] M. Vojta, *Spin liquids, non-Fermi liquids, and underdoped cuprates*, EuroMagNet Summer School, Juliusruh (Rügen) (2012)
- [182] M. Vojta, *Charge density waves, fractionalized Fermi liquids, and the cuprate pseudogap*, Conference on Materials and Mechanisms of Superconductivity (M2S-HTSC), Washington (2012)
- [181] M. Vojta, *Lifshitz transitions and non-Fermi liquid behavior in heavy-fermion metals*, International Conference on Magnetism (ICM), Busan (2012)
- [180] M. Vojta, *Stripes, fractionalized Fermi liquids, and the cuprate pseudogap*, Workshop on Strongly Correlated Electrons in High Magnetic Fields, Les Houches (2012)
- [179] M. Vojta und A. Wollny, *Vacancies in antiferromagnets: Fractional moments and singular response*, Workshop on Impurities and Textures in Unconventional Magnets, Dresden (2012)
- [178] M. Vojta, G. Schubert, H. Fehske und L. Fritz, *The fate of topological-insulator surface states under strong disorder*, Workshop on Electronic Correlations and Disorder in Quantum Matter, Karlsruhe (2012)
- [177] A. Benlagra, T. Pruschke und M. Vojta, *Finite-temperature spectra and quasiparticle interference in Kondo lattices: From light electrons to coherent heavy quasiparticles*, 76. Frühjahrstagung der DPG, Berlin (2012)
- [176] E. C. Andrade und M. Vojta, *Magnetic excitations in disordered striped antiferromagnetic insulators*, 76. Frühjahrstagung der DPG, Berlin (2012)
- [175] A. Wollny, L. Fritz und M. Vojta, *Vacancies in non-collinear antiferromagnets*, 76. Frühjahrstagung der DPG, Berlin (2012)
- [174] M. Vojta, *Quantum phase transitions in impurity models and the quantum-to-classical correspondence*, International Conference on Recent Progress in Many-Body Theories (RPMBT 16), Bariloche (2011)
- [173] M. Vojta, L. Fritz, S. Wessel, R. L. Doretto, S. Wenzel und S. Burdin, *Cubic interactions and quantum criticality in dimerized antiferromagnets*, International Conference on Electronic Correlations in Models and Materials, Augsburg (2011)

- [172] M. Vojta, C. Guo, A. Weichselbaum und J. v. Delft, *Quantum phase transitions in impurity models: What is needed to spoil the quantum-to-classical correspondence?*, Tokyo-Cologne Workshop on Strongly Correlated Transition-Metal Compounds, Köln (2011)
- [171] M. Vojta, *Orbital-selective Mott transitions: A new paradigm in correlation physics*, Summer School on Multiband and Multiorbital Effects in Novel Materials, Cargèse (2011)
- [170] S. Wessel, L. Fritz, R. L. Doretto, S. Wenzel, S. Burdin und M. Vojta, *Cubic interactions and quantum criticality in dimerized antiferromagnets*, Workshop on Synergies between Field Theories and Exact Computational Methods in Strongly Correlated Quantum Matter, Trieste (2011)
- [169] E. Andrade und M. Vojta, *Defect-induced spin-glass magnetism in incommensurate spin-gap magnets*, Workshop on Synergies between Field Theories and Exact Computational Methods in Strongly Correlated Quantum Matter, Trieste (2011)
- [168] M. Vojta, *Introduction to field theories for quantum magnets*, Workshop on Synergies between Field Theories and Exact Computational Methods in Strongly Correlated Quantum Matter, Trieste (2011)
- [167] M. Vojta, A. Wollny und L. Fritz, *Fractional impurity moments in non-collinear magnets*, Conference on Novel Developments in Quantum Impurity Physics, Dresden (2011)
- [166] M. Vojta und E. Andrade, *Defect-induced spin-glass magnetism in superconducting cuprates*, Symposium on High-Temperature Superconductivity, Ringberg (2011)
- [165] M. Vojta und E. Andrade, *Defect-induced spin-glass magnetism in superconducting cuprates*, 477. WE-Heraeus-Seminar on Unconventional Superconductivity, Bad Honnef (2011)
- [164] M. Vojta, *Quantum critical Kondo screening in graphene*, APS March Meeting, Dallas (2011)
- [163] A. Hackl und M. Vojta, *Non-equilibrium spin dynamics in quantum impurity systems*, APS March Meeting, Dallas (2011)
- [162] M. Vojta und A. Hackl, *Zeeman-driven Lifshitz transition: A scenario for the Fermi-surface reconstruction in YbRh_2Si_2* , APS March Meeting, Dallas (2011)
- [161] C. Guo, A. Weichselbaum, M. Vojta und J. v. Delft, *DMRG-optimized NRG treatment of subohmic spin-boson model*, APS March Meeting, Dallas (2011)
- [160] M. Vojta, *Theory of disordered stripes in hole-doped $\text{La}_{2-x}\text{Sr}_x\text{CoO}_4$* , 75. Frühjahrstagung der DPG, Dresden (2011)
- [159] A. Wollny, L. Fritz und M. Vojta, *Impurities in non-collinear antiferromagnets*, 75. Frühjahrstagung der DPG, Dresden (2011)
- [158] I. Schneider, A. Benlagra, L. Fritz und M. Vojta, *Phase transitions in the multichannel Kondo and Anderson model with pseudogap density of states*, 75. Frühjahrstagung der DPG, Dresden (2011)
- [157] E. Andrade und M. Vojta, *Impurity-driven order in gapped magnets*, 75. Frühjahrstagung der DPG, Dresden (2011)
- [156] A. Benlagra, L. Fritz und M. Vojta, *Interplay between Kondo effects in a Kondo lattice with two inequivalent local moments*, 75. Frühjahrstagung der DPG, Dresden (2011)
- [155] M. Vojta, *Quantum critical Kondo screening in graphene*, Korrelationstage, Dresden (2011)
- [154] A. Wollny, L. Fritz und M. Vojta, *Vacancies in non-collinear antiferromagnets*, Korrelationstage, Dresden (2011)
- [153] I. Schneider, A. Benlagra, L. Fritz und M. Vojta, *Phase transitions in the multichannel Kondo and Anderson models with pseudogap density of states*, Korrelationstage, Dresden (2011)
- [152] E. Andrade und M. Vojta, *Impurity-driven order in gapped magnets*, Korrelationstage, Dresden (2011)
- [151] A. Benlagra, L. Fritz und M. Vojta, *Interplay between Kondo effects in a Kondo lattice with two inequivalent local moments*, Korrelationstage, Dresden (2011)
- [150] M. Vojta, L. Fritz und R. Bulla, *Quantum critical Kondo screening in graphene*, 465. WE-Heraeus-Seminar über Analytische und numerische Methoden korrelierter Elektronen, Bad Honnef (2010)
- [149] M. Vojta, *Critical non-Fermi liquids in correlated metals*, 11th German-Japanese Symposium on Correlated Electron Systems, Hiroshima (2010)
- [148] M. Vojta, L. Fritz und R. Bulla, *Quantum critical Kondo screening in graphene*, Workshop on Principles and Design of Strongly Correlated Electronic Systems, Trieste (2010)

- [147] M. Vojta und A. Hackl, *Nernst effect in symmetry-broken phases of cuprates*, Conference on Edge Topics in Correlated Materials, Paris (2010)
- [146] M. Vojta und A. Hackl, *Nernst effect in symmetry-broken phases of cuprates*, Workshop on Properties of High-Temperature Superconductors, München (2010)
- [145] M. Vojta, *Spin dynamics in nearly critical magnets with quenched disorder*, 74. Frühjahrstagung der DPG, Regensburg (2010)
- [144] M. Vojta, *Orbital-selective Mott transitions: Heavy fermions and beyond*, 74. Frühjahrstagung der DPG, Regensburg (2010)
- [143] A. Wollny, L. Fritz und M. Vojta, *Vacancies in non-collinear antiferromagnets*, 74. Frühjahrstagung der DPG, Regensburg (2010)
- [142] A. Hackl, M. Vojta, S. Kehrein, W. Hofstetter und D. Roosen, *Non-equilibrium magnetization dynamics of ferromagnetically coupled Kondo spins*, 74. Frühjahrstagung der DPG, Regensburg (2010)
- [141] M. Garst, L. Fritz, A. Rosch und M. Vojta, *Dimensional crossover in quantum critical metallic magnets*, Conference on Quantum Criticality and Novel Phases, Dresden (2009)
- [140] A. Hackl und M. Vojta, *Kondo volume collapse and Kondo breakdown transitions in heavy fermions*, Conference on Quantum Criticality and Novel Phases, Dresden (2009)
- [139] M. Vojta, *Orbital-selective Mott transitions: Heavy fermions and beyond*, Summer Workshop on Emergent Phenomena, Cargese (2009)
- [138] M. Vojta, *Properties of valence-bond stripes in cuprates*, Workshop on Inhomogeneous Phases in Strongly Correlated Electron Systems, Paris (2009)
- [137] M. Vojta, *Properties of valence-bond stripes in cuprates*, KITP Conference on Higher-Temperature Superconductivity, Santa Barbara (2009)
- [136] A. Wollny und M. Vojta, *Valence-bond stripes in cuprates: ARPES and inter-layer tunneling*, School on Modern Theories of Correlated Electron Systems, Les Houches (2009)
- [135] L. Hollender und M. Vojta, *Longitudinal magnon decay near a quantum critical point*, 73. Frühjahrstagung der DPG, Dresden (2009)
- [134] A. Wollny und M. Vojta, *Valence-bond stripes in cuprates: ARPES and inter-layer tunneling*, 73. Frühjahrstagung der DPG, Dresden (2009)
- [133] T. Rindler-Daller und M. Vojta, *A hidden-disorder scenario for the low-temperature phase transitions in heavy-fermion compounds*, Korrelationstage, Dresden (2009)
- [132] M. Vojta, *Disordered valence-bond stripes in cuprates*, Workshop on Properties of Cuprate Superconductors, Ringberg (2008)
- [131] M. Vojta und O. Rösch, *Dimensional reduction in frustrated quantum critical magnets*, Workshop on Ordering Phenomena in Transition Metal Oxides, Augsburg (2008)
- [130] M. Vojta und R. Doretto, *Weakly confined spinons in frustrated magnets*, 10th German-Japanese Symposium on Correlated Electron Systems, Ringberg (2008)
- [129] M. Vojta, *Superconducting d-wave stripes in cuprates*, International Conference on Strongly Correlated Electron Systems (SCES 08), Buzios (2008)
- [128] M. Vojta, *Valence-bond supersolids in cuprates*, Conference on Frontiers of Quantum and Mesoscopic Thermodynamics (FQMT 08), Prag (2008)
- [127] M. Vojta, *Superconducting d-wave stripes in cuprates: Weakly pinned valence bond solids*, 72. Frühjahrstagung der DPG, Berlin (2008)
- [126] A. Hackl und M. Vojta, *Kondo volume collapse and Kondo breakdown transitions in heavy fermions*, 72. Frühjahrstagung der DPG, Berlin (2008)
- [125] M. Vojta und H. Weber, *Heavy-fermion metals with hybridization nodes: Unconventional Fermi liquids and competing phases*, 72. Frühjahrstagung der DPG, Berlin (2008)
- [124] M. Vojta, *Melting at absolute zero: Quantum phase transitions in condensed matter*, 19. Edgar-Lüscher-Seminar, Klostern (2008)
- [123] M. Vojta, *d-wave stripes in cuprates*, Workshop on Properties of High-Temperature Superconductors, München (2007)
- [122] H. Weber und M. Vojta, *Heavy Fermi liquids with hybridization nodes*, Workshop on Quantum Matter, Köln (2007)
- [121] A. Hackl und M. Vojta, *Kondo volume collapse and Kondo breakdown transitions in heavy fermions*, Workshop on Quantum Matter, Köln (2007)
- [120] M. Vojta und O. Rösch, *Quantum phase transitions and dimensional reduction in antiferromagnets with inter-layer frustration*, Workshop on Quantum Matter, Köln (2007)

- [119] M. Vojta, T. Vojta und R. K. Kaul, *Spin excitations in fluctuating stripe phases*, Gordon Research Conference on Superconductivity, Les Diablerets (2007)
- [118] M. Vojta und H. Weber, *Heavy Fermi liquids with hybridization nodes: Arranging competition in momentum space*, Conference on New Trends in Quantum Impurity Physics, Dresden (2007)
- [117] G. Zaránd, C.-H. Chung, P. Simon und M. Vojta, *Quantum criticality in a double-quantum-dot system*, International Conference on Strongly Correlated Electron Systems (SCES 07), Houston (2007)
- [116] M. Vojta und R. K. Kaul, *Strong inhomogeneities and non-Fermi liquids in randomly depleted Kondo lattices*, 71. Frühjahrstagung der DPG, Regensburg (2007)
- [115] O. Rösch, I. Fischer und M. Vojta, *Quantum phase transitions and dimensional reduction in antiferromagnets with inter-layer frustration*, 71. Frühjahrstagung der DPG, Regensburg (2007)
- [114] M. Vojta und R. K. Kaul, *Strong inhomogeneities and non-Fermi liquids in randomly depleted Kondo lattices*, Workshop on Novel Concepts in Disordered and Interacting Quantum Systems, Hangzhou (2007)
- [113] O. Rösch, I. Fischer und M. Vojta, *Quantum phase transitions and dimensional reduction in antiferromagnets with inter-layer frustration*, Korrelationstage, Dresden (2007)
- [112] M. Vojta, *Strong electronic correlations and the Kondo effect*, Transregio Workshop on Mesoscopic Physics, Langeoog (2007)
- [111] M. Vojta und O. Rösch, *On dimensional reduction in frustrated critical antiferromagnets*, Workshop on Mobile Bosons and Fermions on Frustrated Lattices, Dresden (2007)
- [110] M. Vojta und R. K. Kaul, *Strong inhomogeneities and non-Fermi liquids in randomly depleted Kondo lattices*, Workshop on Novel States of Quantum Matter, Trieste (2006)
- [109] M. Vojta und R. K. Kaul, *Strong inhomogeneities and non-Fermi liquids in randomly depleted Kondo lattices*, Workshop on Quantum Criticality, Leiden (2006)
- [108] M. Vojta und R. K. Kaul, *Strong inhomogeneities and non-Fermi liquids in randomly depleted Kondo lattices*, Workshop on Advanced Quantum Materials, Seoul (2006)
- [107] M. Vojta, T. Vojta und R. K. Kaul, *Fluctuating stripes in cuprate superconductors*, Conference on Materials and Mechanisms of Superconductivity (M2S-HTSC), Dresden (2006)
- [106] M. Vojta und R. K. Kaul, *Strong inhomogeneities and non-Fermi liquids in randomly depleted Kondo lattices*, ICAM Workshop on Frontiers in Correlated Matter, Snowmass (2006)
- [105] M. Vojta, T. Vojta und R. K. Kaul, *Fluctuating stripes in cuprate superconductors*, Conference on Condensed Matter and Materials Physics (CMMP), Exeter (2006)
- [104] L. Fritz und M. Vojta, *Kondo screening in unconventional superconductors: The role of anomalous propagators*, 70. Frühjahrstagung der DPG, Dresden (2006)
- [103] L. Fritz, S. Florens und M. Vojta, *The Kondo effect in bosonic spin liquids*, 70. Frühjahrstagung der DPG, Dresden (2006)
- [102] M. Vojta, T. Vojta und R. K. Kaul, *Spin excitations in fluctuating stripe phases*, 70. Frühjahrstagung der DPG, Dresden (2006)
- [101] I. Titvinidze und M. Vojta, *Competing phases of the t - J model on the triangular lattice*, 70. Frühjahrstagung der DPG, Dresden (2006)
- [100] H. Weber und M. Vojta, *Novel mean-field theory for strongly disordered non-frustrated antiferromagnets*, 70. Frühjahrstagung der DPG, Dresden (2006)
- [99] R. K. Kaul und M. Vojta, *Randomly depleted Kondo lattices*, APS March Meeting, Baltimore (2006)
- [98] M. Vojta, T. Vojta und R. K. Kaul, *Fluctuating stripes in cuprate superconductors*, Workshop on Novel Materials and Superconductors, Planneralm (2006)
- [97] M. Vojta, *Strong correlations and quantum criticality*, Workshop on Novel Materials and Superconductors, Planneralm (2006)
- [96] M. Vojta, T. Vojta und R. K. Kaul, *Spin excitations in fluctuating stripe phases*, Workshop on High-Temperature Superconductors, Ringberg (2005)
- [95] M. Vojta, *Quantum criticality and exotic phases in condensed matter*, Workshop on the Theory of Quantum Gases and Quantum Coherence, Cortona (2005)
- [94] M. Vojta, S. Florens und L. Fritz, *The Kondo effect in spin liquids*, KITP Miniprogram on Complexity in Transition Metal Oxides, Santa Barbara (2005)

- [93] M. Vojta, *Introduction to Quantum Phase Transitions*, Helmholtz Workshop on Quantum Phase Transitions, Universität/Forschungszentrum Karlsruhe (2005)
- [92] R. K. Kaul und M. Vojta, *Spin excitations in fluctuating stripe phases*, APS March Meeting, Los Angeles (2005)
- [91] L. Fritz, S. Florens, M. Vojta und K. Damle, *Bosonic Kondo effect in a deconfined magnet*, 69. Frühjahrstagung der DPG, Berlin (2005)
- [90] L. Fritz, M. Kirčán und M. Vojta, *Phase transitions in the pseudogap Kondo and Anderson models*, 69. Frühjahrstagung der DPG, Berlin (2005)
- [89] N. Tong, M. Vojta und R. Bulla, *NRG study of the quantum critical properties of the sub-ohmic spin-boson model*, 69. Frühjahrstagung der DPG, Berlin (2005)
- [88] M. Vojta, *Exotic order and quantum phase transitions in heavy-electron metals*, Korrelationstage, Dresden (2005)
- [87] M. Vojta, *Fluctuating orders in doped Mott insulators*, Workshop on Collective Quantum States in Low-Dimensional Transition Metal Oxides, Dresden (2005)
- [86] M. Vojta, *Bond charge order in doped Mott insulators*, Workshop on Ordering Phenomena in Cuprate Superconductors, München (2004)
- [85] L. Fritz, M. Kirčán und M. Vojta, *Quantum phase transitions in the Bose-Fermi Kondo and pseudogap Kondo models*, Heraeus Seminar on Quantum Phase Transitions, Bad Honnef (2004)
- [84] M. Vojta, *Fluctuating orders and quantum phase transitions in doped Mott insulators*, Gordon Research Conference on Superconductivity, Oxford (2004)
- [83] M. Vojta, *Quantum phase transitions*, Summer School on Correlated Electrons, Debrecen (2004)
- [82] M. Vojta, *Quantum phase transitions: Theory*, PSI Summer School on Condensed Matter Physics, Zuz (2004)
- [81] M. Vojta und T. Ulbricht, *Bond order and spin excitations in cuprates*, 8th German-Japanese Symposium on Correlated Electron Systems, Freudenstadt (2004)
- [80] M. Vojta, T. Senthil und S. Sachdev, *Weak magnetism and non-Fermi liquids near heavy-Fermion critical points*, International Conference on Strongly Correlated Electron Systems (SCES 04), Karlsruhe (2004)
- [79] L. Fritz, M. Kirčán und M. Vojta, *Quantum phase transitions in the Bose-Fermi Kondo and pseudogap Kondo models*, International Conference on Strongly Correlated Electron Systems (SCES 04), Karlsruhe (2004)
- [78] M. Vojta, *Phase transitions and critical dimensions in quantum impurity models*, Workshop on Novel States and Phase Transitions in Highly Correlated Matter, Trieste (2004)
- [77] M. Vojta, *Phase transitions and critical dimensions in quantum impurity models*, KITP Workshop on Exotic Order and Criticality in Quantum Matter, Santa Barbara (2004)
- [76] R. Sknepnek, T. Vojta und M. Vojta, *Exotic vs. conventional scaling and universality in a disordered bilayer quantum Heisenberg antiferromagnet*, 20th Condensed Matter Conference of the European Physical Society (CMD20), Prague (2004)
- [75] M. Vojta, L. Fritz und M. Kirčán, *Quantum phase transitions in the Bose-Fermi Kondo and pseudogap Kondo models*, 68. Frühjahrstagung der DPG, Regensburg (2004)
- [74] M. Vojta, T. Senthil und S. Sachdev, *Weak magnetism and non-Fermi liquids near heavy-Fermion critical points*, 68. Frühjahrstagung der DPG, Regensburg (2004)
- [73] M. Vojta, *Quantum criticality in magnetic metals*, 15. Edgar-Lüscher-Seminar, Bad Serneus (2004)
- [72] M. Vojta, T. Senthil und S. Sachdev, *Quantum phase transitions and non-Fermi liquids in heavy electron materials*, Atelier Physique Theoretique, Grenoble (2003)
- [71] M. Vojta, R. Bulla und N.-H. Tong, *Phase diagram and dynamics of the sub-ohmic spin-boson model*, International Conference on Functional Nanostructures, Karlsruhe (2003)
- [70] M. Vojta, *Quantum phase transitions in solid state physics*, Oak Ridge National Laboratory NSET workshop, Fall Creek Falls (2003)
- [69] M. Vojta, T. Senthil und S. Sachdev, *Fractionalized Fermi liquids*, Workshop on Quantum Phase Transitions, Dresden (2003)
- [68] M. Vojta, T. Senthil und S. Sachdev, *Fractionalized Fermi liquids*, Workshop on Fermi Liquid Instabilities in Correlated Metals, Dresden (2003)

- [67] M. Vojta, S. Sachdev, R. Bulla und M. Kirčan, *Quantum impurities in cuprate superconductors*, Workshop on Modern Aspects of Quantum Impurity Physics, Dresden (2003)
- [66] M. Kirčan und M. Vojta, *Screening of impurity moments in d-wave superconductors*, Workshop on Modern Aspects of Quantum Impurity Physics, Dresden (2003)
- [65] M. Vojta, T. Senthil und S. Sachdev: *Fractionalized Fermi liquids*, 67. Frühjahrstagung der DPG, Dresden (2003)
- [64] M. Kirčan und M. Vojta, *Screening of impurity moments in d-wave superconductors*, 67. Frühjahrstagung der DPG, Dresden (2003)
- [63] M. Hentschel und M. Vojta, *Multiple beam interference and optical filtering in microcavities*, 67. Frühjahrstagung der DPG, Dresden (2003)
- [62] M. Vojta, A. Polkovnikov und S. Sachdev, *Spin and charge order in superconducting cuprates*, 67. Frühjahrstagung der DPG, Dresden (2003)
- [61] M. Vojta, T. Senthil und S. Sachdev, *Fractionalized Fermi liquids*, APS March Meeting, Austin (2003)
- [60] M. Hentschel und M. Vojta, *Multiple beam interference and optical filtering in microcavities*, APS March Meeting, Austin (2003)
- [59] M. Vojta, A. Polkovnikov und S. Sachdev, *Spin and charge order in superconducting cuprates*, APS March Meeting, Austin (2003)
- [58] M. Vojta, T. Senthil und S. Sachdev, *Fractionalized Fermi liquids*, Korrelationstage, Dresden (2003)
- [57] M. Vojta, A. Polkonikov und S. Sachdev, *Magnetism, collective modes, and STM spectra in cuprates*, Gordon Research Conference on Superconductivity, Ventura (2003)
- [56] M. Vojta, R. Bulla und M. Kirčan, *Impurity moments in cuprate superconductors*, 287. WE-Heraeus-Seminar on Quantum Transport through Nano-Wires, Point Contacts, and near Interfaces, Bad Honnef (2002)
- [55] M. Vojta, A. Polkonikov und S. Sachdev, *Spin and charge order in cuprate superconductors*, Nato Advanced Research Workshop on Concepts in Electron Correlations, Hvar (2002)
- [54] M. Vojta und M. Kirčan, *The Fermi-Bose Kondo model: Phase diagram and applications*, Nato Advanced Research Workshop on Concepts in Electron Correlations, Hvar (2002)
- [53] M. Vojta und R. Bulla, *Impurity moments in doped cuprates*, Workshop on Emergent Materials and Highly Correlated Electrons, Trieste (2002)
- [52] M. Vojta und S. Sachdev, *Competing orders and quantum phase transitions in the cuprates*, 7th German-Japanese Symposium on Correlated Electron Systems, Seeon (2002)
- [51] M. Vojta, A. Polkovnikov und S. Sachdev, *Spin and charge order in cuprate superconductors*, Workshop on Intrinsic Multiscale Structure in Complex Electronic Oxides, Trieste (2002)
- [50] M. Vojta und S. Sachdev, *Quantum phase transitions and secondary pairing in d-wave superconductors*, First International Workshop on the Symmetry in Macroscopic Quantum States, Augsburg (2002)
- [49] M. Vojta und S. Sachdev, *Competing orders and quantum phase transitions in the cuprates*, 19th Condensed Matter Conference of the European Physical Society (CMD19), Brighton (2002)
- [48] M. Vojta, A. Polkovnikov und S. Sachdev, *Spin- und Ladungsordnung in supraleitenden Kupraten*, 66. Frühjahrstagung der DPG, Regensburg (2002)
- [47] M. Vojta, *Impurities and quantum phase transitions: Dynamic large- N studies*, 66. Frühjahrstagung der DPG, Regensburg (2002)
- [46] R. Bulla und M. Vojta, *Quantenphasenübergänge in Störstellenmodellen*, 66. Frühjahrstagung der DPG, Regensburg (2002)
- [45] M. Vojta, *Defects and local excitations in cuprates*, Workshop on Strongly Correlated Electron Systems, Leiden (2001)
- [44] M. Vojta, *Defects in cuprates - Magnetism and spectral properties*, Workshop on Excitations in Unconventionally Ordered Metals, Santa Fe (2001)
- [43] M. Vojta und R. Bulla, *Kondo effect in d-wave superconductors: Quantum phase transition and spectral properties*, Workshop on Defects in Correlated Electron Systems, Dresden (2001)
- [42] M. Vojta, *Impurity magnetism in correlated metals and superconductors*, Workshop on Defects in Correlated Electron Systems, Dresden (2001)
- [41] M. Vojta, *Impurities in nearly critical magnets and superconductors*, International Conference on Magnetic Correlations, Dresden (2001)
- [40] M. Vojta, Y. Zhang und S. Sachdev, *Quantenphasenübergänge und Quasiteilchendämpfung in d-Wellen-Supraleitern*, 65. Frühjahrstagung der DPG, Hamburg (2001)

- [39] M. Vojta, C. Buragohain und S. Sachdev, *Universelle Störstellendynamik in Antiferromagneten und Supraleitern*, 65. Frühjahrstagung der DPG, Hamburg (2001)
- [38] M. Vojta, R. Bulla, A. Polkovnikov und S. Sachdev, *Störstellen in d-Wellen-Supraleitern: Kondo-Effekt und STM-Spektren*, 65. Frühjahrstagung der DPG, Hamburg (2001)
- [37] T. Sommer, M. Vojta und K. W. Becker, *Magnetische Eigenschaften von Zweilag-Antiferromagneten im Magnetfeld*, 65. Frühjahrstagung der DPG, Hamburg (2001)
- [36] M. Vojta, A. Hübsch und R. M. Noack, *Charge and Spin Ordering in the Extended t - U - V Hubbard Ladder*, 65. Frühjahrstagung der DPG, Hamburg (2001)
- [35] M. Vojta, *Impurities in d-wave superconductors: Kondo spin dynamics and tunneling spectra*, APS March Meeting, Seattle (2001)
- [34] M. Vojta, *Störstellen in d-Wellen-Supraleitern: Kondo-Effekt und Dämpfung kollektiver Anregungen*, Korrelationstage, Dresden (2001)
- [33] S. Sachdev, C. Buragohain, A. Polkovnikov und M. Vojta, *Spin Correlations in Mott insulators and d-wave superconductor - Implications of experiments on non-magnetic impurities*, ITP Workshop on High-Temperature Superconductivity, Santa Barbara (2000)
- [32] S. Sachdev und M. Vojta, *Quantum antiferromagnetism and high-temperature superconductivity*, 13th International Symposium on Superconductivity, Tokyo (2000)
- [31] M. Vojta und S. Sachdev, *Quantum phase transitions and quasiparticle damping in d-wave superconductors*, 3rd International Conference on Stripes and High-Temperature Superconductivity, Rom (2000)
- [30] S. Sachdev, M. Vojta und Y. Zhang, *Quantum phase transitions in d-wave superconductors*, ITP Conference on High-Temperature Superconductivity, Santa Barbara (2000)
- [29] M. Vojta, A. Polkovnikov und S. Sachdev, *Impurities in d-wave superconductors: Kondo effect, STM spectra, and damping of collective modes*, ITP Conference on High-Temperature Superconductivity, Santa Barbara (2000)
- [28] S. Sachdev und M. Vojta, *Quantum phase transitions in d-wave superconductors*, XII Workshop on Strongly Correlated Electron Systems, Trieste (2000)
- [27] M. Vojta und S. Sachdev, *Universal damping of quasiparticles in d-wave superconductors*, Gordon Conference on Strongly Correlated Electrons, Plymouth (2000)
- [26] M. Vojta, C. Buragohain und S. Sachdev, *Quantum impurities in two-dimensional antiferromagnets and superconductors*, APS March Meeting, Minneapolis (2000)
- [25] A. Hübsch, M. Vojta und K. W. Becker, *Kumulantenverfahren zur Konstruktion effektiver Hamilton-Operatoren*, 64. Frühjahrstagung der DPG, Regensburg (2000)
- [24] R. E. Hetzel, M. Vojta und R. M. Noack, *Ladungs- und Spin-Ordnung im erweiterten Hubbard-Modell auf einer zweibeinigen Leiter*, 64. Frühjahrstagung der DPG, Regensburg (2000)
- [23] R. M. Noack, M. Vojta und R. E. Hetzel, *Charge and spin ordering in the extended Hubbard model on a ladder*, 18th Condensed Matter Conference of the European Physical Society (CMD18), Montreux (2000)
- [22] M. Vojta, C. Buragohain und S. Sachdev, *Impurity spin dynamics in two-dimensional antiferromagnets and superconductors*, 6th International Conference on Materials and Mechanisms of Superconductivity (M2S-HTSC-VI), Houston (2000)
- [21] M. Vojta und S. Sachdev, *Stripe charge order and superconductivity in doped antiferromagnets*, Workshop on Non-Fermi Liquid Effects in Metallic Systems with Strong Electronic Correlation, Cambridge (2000)
- [20] S. Sachdev und M. Vojta, *Quantum phase transitions in low-dimensional antiferromagnets and superfluids*, International Workshop on Microscopic Theories of Phase Transitions: Quantum Versus Thermal Fluctuations, Bad Honnef (1999)
- [19] S. Sachdev und M. Vojta, *Translational symmetry breaking in two-dimensional antiferromagnets and superconductors*, International Workshop on Magnetic Excitations in Strongly Correlated Electrons, Hamamatsu (1999)
- [18] M. Vojta und S. Sachdev, *Charge order and superconductivity in an extended t - J model*, ITP Conference on Quantum Magnetism, Santa Barbara (1999)
- [17] S. Sachdev und M. Vojta, *Quantum phase transitions in antiferromagnets and superfluids*, 22nd International Conference on Low Temperature Physics (LT22), Helsinki (1999)

- [16] S. Sachdev und M. Vojta, *A global phase diagram of doped antiferromagnets*, Workshop on Physics and Chemistry of Novel Materials: Strongly Correlated Electron Systems, Monte Verita (1999)
- [15] R. E. Hetzel und M. Vojta, *DMRG-Untersuchungen zur Ladungsordnung im erweiterten Hubbard-Modell*, 63. Frühjahrstagung der DPG, Münster (1999)
- [14] M. Vojta, T. Sommer und K. W. Becker, *Grundzustand und Lochdynamik in Zweilag-Antiferromagneten*, 63. Frühjahrstagung der DPG, Münster (1999)
- [13] M. Vojta, *Hole dynamics in the triangular lattice t - J model*, International Workshop on Electronic and Magnetic Properties of Novel Transition Metal Compounds, Dresden (1998)
- [12] M. Vojta und E. Dagotto, *Quasiparticles and pairing in doped triangular antiferromagnets*, International Conference on Strongly Correlated Electron Systems (SCES 98), Paris (1998)
- [11] K. W. Becker und M. Vojta, *Magnetic properties of doped antiferromagnets*, XI. Seminar on Phase Transitions and Critical Phenomena, Wrocław (1998)
- [10] M. Vojta und E. Dagotto, *Hole motion and superconductivity in a triangular antiferromagnet*, 62. Frühjahrstagung der DPG, Regensburg (1998)
- [9] M. Vojta und K. W. Becker, *Spin-Polaronen in korrelierten Elektronensystemen*, 62. Frühjahrstagung der DPG, Regensburg (1998)
- [8] M. Vojta und K. W. Becker, *Hole motion in an arbitrary spin background*, Korrelationstage, Dresden (1997)
- [7] K. W. Becker und M. Vojta, *Cumulant approach and coupled-cluster method for many-body systems*, International Workshop on Coupled-Cluster Theory and Electron Correlations, Cedar Key (1997)
- [6] M. Vojta und K. W. Becker, *Dynamische Ladungskorrelationen und optische Leitfähigkeit in schwach dotierten Antiferromagneten*, 61. Frühjahrstagung der DPG, Münster (1997)
- [5] M. Vojta und K. W. Becker, *Temperature dependence of magnetic properties of weakly doped antiferromagnets*, Symposium on Theoretical Aspects of Electronic Correlations in High-T_c Superconductors, Berlin (1996)
- [4] M. Vojta und K. W. Becker, *Magnetische Eigenschaften von schwach dotierten Antiferromagneten*, 60. Frühjahrstagung der DPG, Regensburg (1996)
- [3] M. Vojta und K. W. Becker, *Grundzustandseigenschaften von dotierten Antiferromagneten*, Korrelationstage, Friedrichroda (1995)
- [2] M. Vojta und K. W. Becker, *Dispersionsrelation für ein Loch im t - J -Modell*, 59. Frühjahrstagung der DPG, Berlin (1995)
- [1] B. Fritzsche, M. Vojta und A. Zehe, *On periodicity in diffusion behaviour of metals*, 35. Internationales wissenschaftliches Kolloquium, Ilmenau (1990)