S. Thomas Vojta

List of Publications and Presentations

January 12, 2024

Review Articles

[7] T. Vojta: *Disorder in quantum many-body systems*, Annu. Rev. Condens. Matter Phys. **10**, 233–52 (2019), arXiv:1806.05611

[6] T. Vojta: *Quantum Griffiths effects and smeared phase transitions in metals: theory and experiment*, J. Low Temp. Phys. **161**, 299 (2010), arXiv:1005.2707

[5] T. Vojta: *Computing Quantum Phase Transitions*, Reviews in Computational Chemistry **26**, 167–221 (2009), arXiv:0709.0964

[4] T. Vojta: *Rare region effects at classical, quantum, and non-equilibrium phase transitions*, J. Phys. A **39**, R143–R205 (2006), cond-mat/0602312

[3] D. Belitz, T.R. Kirkpatrick, and T. Vojta: *How generic scale invariance influences quantum and classical phase transitions*, Rev. Mod. Phys. **77**, 579–632 (2005), cond-mat/0403182

[2] T. Vojta: *Quantum phase transitions*, in K.H. Hoffmann and M. Schreiber (Eds.): *Computational Statistical Physics*, Springer, Berlin (2002), pp. 211–226, cond-mat/0010285

[1] T. Vojta: *Quantum phase transitions in electronic systems*, Ann. Phys. (Leipzig) 9 (2000) 403–40, cond-mat/9910514

Refereed Research Articles

[161] G. Khairnar and T. Vojta, *Can helicity modulus be defined for boundary conditions with finite twist?*, submitted to J. Stat. Mech., arXiv:2312.04468

[160] R. Beattie-Hauser and T. Vojta, *Scalar susceptibility of a diluted classical XY model*, submitted to Phys. Rev. B, arXiv:2311.07457

[159] S. Kaur, H.K. Kundu, S. Kumar, A. Dogra, R. Narayanan, T. Vojta and A. Bid, *Temperature dependent cloaking of the Quantum Griffiths Singularity in $LaScO_3/SrTiO_3$ heterostructures*, submitted to 2D Materials, arXiv:2206.10215

[158] W. Wang, M. Balcerek, K. Burnecki, A.V. Chechkin, S. Janušonis, J. Slezak, T. Vojta, A. Wylomanska and R. Metzler, *Multifractional Brownian motion with continuous memory*, Phys. Rev. Research **5**, L032025 (2023), arXiv:2303.01551

[157] S. Janušonis, J.H. Haiman, R. Metzler and T. Vojta, *Predicting the Distribution of Serotonergic Axons: A Supercomputing Simulation of Reflected Fractional Brownian Motion in a 3D-Mouse Brain Model*, Front. Comp. Neuroscience **17**, 1189853 (2023), bioRxiv:2023.03.19.533385

[156] X. Ye and T. Vojta, *Contact process with simultaneous spatial and temporal disorder*, Phys. Rev. E **106**, 044102 (2022), arXiv:2207.11798

[155] W.J. Meese, T. Vojta and R.M. Fernandes, *Random-strain-induced correlations in materials with intertwined nematic and magnetic orders*, Phys. Rev. B **106**, 115134 (2022), arXiv:2112.05769

[154] X. Ye, R. Narayanan and T. Vojta, *Stripe order, impurities, and symmetry breaking in a diluted frustrated magnet*, Phys. Rev. B **105**, 024201 (2022), arXiv:2111.00101

[153] P. Reiss, D. Graf, A.A. Haghighirad, T. Vojta and A.I. Coldea, *Signatures of a Quantum Griffiths Phase close to an Electronic Nematic Quantum Phase Transition*, Phys. Rev. Lett. **127**, 246402 (2021), arXiv:2103.07991

[152] M. Puschmann and T. Vojta, *Green's functions on a renormalized lattice: An improved method for the*

integer quantum Hall transition, Ann. Phys. **435**, 168485 (2021), arXiv:2102.00271

[151] M. Puschmann, J.C. Getelina, J.A. Hoyos and T. Vojta, *Inhomogeneous mean-field approach to collective excitations in disordered interacting bosons*, Ann. Phys. **435**, 168526 (2021), arXiv:2101.11065

[150] T. Vojta, Z. Miller and S. Halladay, *Tempered fractional Brownian motion on finite intervals*, Eur. Phys. J. B **94**, 208 (2021), arXiv:2107.10774

[149] J. Crewse and T. Vojta, *Localization of the Higgs mode at the superfluid-Mott glass transition*, Phys. Rev. B **104**, 014511 (2021), arXiv:2104.04593

[148] M. Puschmann, P. Cain, M. Schreiber and T. Vojta, *Edge state critical behavior of the integer quantum Hall transition*, Eur. Phys. J. Special Topics **230**, 1003 (2021), arXiv:2004.01611

[147] T. Vojta and A. Warhover, *Probability density of fractional Brownian motion and the fractional Langevin equation with absorbing walls*, J. Stat. Mech. **2021**, 033215 (2021), arXiv:2012.03142

[146] G. Khairnar, C. Lerch and T. Vojta, *Phase boundary near a magnetic percolation transition*, Eur. Phys. J. B **94**, 43 (2021), arXiv:2011.03390

[145] T. Vojta, S. Halladay, S. Skinner, S. Janušonis, T. Guggenberger, and R. Metzler, *Reflected fractional Brownian motion in one and higher dimensions*, Phys. Rev. E **102**, 032108 (2020), arXiv:2004.14511

[144] M. Puschmann, J. Crewse, J.A. Hoyos and T. Vojta, *Collective modes at a disordered quantum phase transition*, Phys. Rev. Lett. **125**, 027002 (2020), arXiv:1911.04452, featured in "Highlights in Physics" on the website of the Brazilian Physical Society

[143] S. Janušonis, N. Detering, R. Metzler and T. Vojta, *Serotonergic Axons as Fractional Brownian Motion Paths: Insights into the Self-organization of Regional Densities*, Front. Comp. Neuroscience **14**, 56 (2020), bioRxiv:2019.12.27.889725

[142] N.A. Lewellyn, I.M. Percher, J.J. Nelson, J. Garcia-Barriocanal, I. Volotsenko, A. Frydman, T. Vojta, and A.M. Goldman, *Quantum Superconductor-Metal Transitions in the Presence of Quenched Disorder*, J. Supercond. Novel Magn. **33**, 183–190 (2020)

[141] T. Vojta, S. Skinner and R. Metzler, *Probability density of the fractional Langevin equation with reflecting walls*, Phys. Rev. E **100**, 042142 (2019), arXiv:1907.08188

[140] X. Ye, J. Cook, E.D. Huemiller, A.D.K. Finck, P. Ghaemi, T. Vojta, V. Adiga, S.R. Saha, J. Paglione and C. Kurter, *Unconventional Josephson junctions with topological Kondo insulator weak links*, Phys. Rev. B **100**, 104505 (2019), arXiv:1908.02343

[139] C. Lerch and T. Vojta, *Superfluid density and compressibility at the superfluid-Mott glass transition*, Eur. Phys. J. Special Topics **227**, 2275 (2019), arXiv:1712.08245

[138] A.H.O. Wada, A. Warhover and T. Vojta, *Non-Gaussian behavior of reflected fractional Brownian motion*, J. Stat. Mech. **2019**, 033209 (2019), arXiv:1811.06130

[137] M. Puschmann, P. Cain, M. Schreiber and T. Vojta, *Integer quantum Hall transition on a tight-binding lattice*, Phys. Rev. B (Rapid Communication) **B 99**, 121301(R) (2019), arXiv:1805.09958

[136] T. Guggenberger, G. Pagnini, T. Vojta and R. Metzler, *Fractional Brownian motion in a finite interval: correlations effect depletion or accretion zones of particles near boundaries*, New J. Phys. **21**, 022002 (2019), arXiv:1903.08927

[135] N.A. Lewellyn, I.M. Percher, J.J. Nelson, J. Garcia-Barriocanal, I. Volotsenko, A. Frydman, T. Vojta, and A.M. Goldman, *Infinite-randomness fixed point of the quantum superconductor-metal transitions in amorphous thin films*, Phys. Rev. B **99**, 054515 (2019), arXiv:1809.02672

[134] C. Kurter, A. Finck, E. Huemiller, J. Medvedeva, A. Weis, J. Atkinson, Y. Qiu, S.H. Lee, L. Shen, T. Vojta, P. Ghaemi, Y.S. Hor and D. Van Harlingen: *Conductance spectroscopy of exfoliated thin flakes of* $Nb_xBi_2Se_3$, Nano Lett. **19**, 38 (2019), arXiv:1707.08516

[133] A.K. Ibrahim and T. Vojta, *Monte Carlo simulations of a disordered superconductor-metal quantum phase transition*, Eur. Phys. J. B **91**, 311 (2018), arXiv:1808.0009

[132] J. Crewse, C. Lerch and T. Vojta, *Quantum critical behavior of a three-dimensional superfluid-Mott glass transition*, Phys. Rev. B **98**, 054514 (2018), arXiv:1805.07466

[131] A.H.O. Wada, M. Small and T. Vojta, *Extinction transitions in correlated external noise*, Phys. Rev. E **98**, 022112 (2018), arXiv:1805.02583; selected as an Editor's Suggestion

[130] S.S. Kunwar, A. Sen, T. Vojta and R. Narayanan, *Tuning a random field mechanism in a frustrated magnet*, Phys. Rev. B **98**, 024206 (2018), arXiv:1803.05597

[129] A.H.O. Wada and T. Vojta, *Fractional Brownian motion with reflecting wall*, Phys. Rev. E (Rapid Communication) **97**, 020102(R) (2018), arXiv:1711.05232

[128] S.E. Rowley, T. Vojta, A.T. Jones, W. Guo, J. Oliveira, F.D. Morrison, N. Lindfield, E. Baggio Saitovitch, B.E. Watts and J.F. Scott: *Quantum percolation phase transition and magneto-electric dipole glass in hexagonal ferrites*, Phys. Rev. B (Rapid Communication) **96**, 020407(R) (2017), arXiv:1708.03945

[127] H. Barghathi, S. Tackkett and T. Vojta: *Extinction phase transitions in a model of ecological and evolutionary dynamics*, Eur. Phys. J. B **90**, 129 (2017), arXiv:1704.01606; highlighted on the EPJ web portal and on wildlife.org

[126] R. Wang, A. Gebretsadik, S. Ubaid-Kassis, A. Schroeder, T. Vojta, P.J. Baker, F.L. Pratt, S.J. Blundell, T. Lancaster, I. Franke, J.S. Möller and K. Page: *Quantum Griffiths phase inside the ferromagnetic phase of $Ni_{1-x}V_x$*, Phys. Rev. Lett. **118**, 267202 (2017), arXiv:1612.07207

[125] A.K. Ibrahim and T. Vojta: *Emerging critical behavior at a first-order phase transition rounded by disorder*, Fortschr. Phys. **65**, 1600018 (2017), arXiv:1602.04508

[124] A.K. Ibrahim and T. Vojta: *Monte Carlo simulations of the disordered three-color quantum Ashkin-Teller chain*, Phys. Rev. B **95**, 054403 (2017), arXiv:1612.05617

[123] T. Vojta, J. Crewse, M. Puschmann, D. Arovas, and Y. Kiselev: *Quantum critical behavior of the superfluid-Mott glass transition*, Phys. Rev. B **94**, 134501 (2016), arXiv:1607.01860

[122] H. Barghathi, J.A. Hoyos and T. Vojta: *Contact process with temporal disorder*, Phys. Rev. E **94**, 022111 (2016), arXiv:1603.08075

[121] T. Vojta and R. Dickman: *Spatio-temporal generalization of the Harris criterion and its application to diffusive disorder*, Phys. Rev. E **93**, 032143 (2016), arXiv:1601.03282

[120] H. Barghathi and T. Vojta: *Random-field disorder at an absorbing state transition in one and two dimensions*, Phys. Rev. E **93**, 022120 (2016), arXiv:1511.04725

[119] M. Puschmann, P. Cain, M. Schreiber and T. Vojta: *Multifractal analysis of electronic states on random Voronoi-Delaunay lattices*, Eur. Phys. J. B **88**, 314 (2015), arXiv:1508.04284; highligthed on the EPJ web portal

[118] T. Vojta and J.A. Hoyos: *Infinite-noise criticality: Nonequilibrium phase transitions in fluctuating environments*, Europhys. Lett. **112**, 30002 (2015), arXiv:1507.05677

[117] H. Barghathi, F. Hrahsheh, J.A. Hoyos, R. Narayanan and T. Vojta: *Strong-randomness phenomena in quantum Ashkin-Teller models*, Physica Scripta **T165**, 014040 (2015), arXiv:1404.2509

[116] Q. Zhu, X. Wan, R. Narayanan, J.A. Hoyos and T. Vojta: *Emerging criticality in the disordered three-color Ashkin-Teller model*, Phys. Rev. B **91**, 224201 (2015), arXiv:1504.00408

[115] A. K. Ibrahim, H. Barghathi, and T. Vojta: *Enhanced rare-region effects in the contact process with long-range correlated disorder*, Phys. Rev. E **90**, 042132 (2014), arXiv:1407.5084

[114] H. Barghathi and T. Vojta: *How random is topological disorder? Phase transitions on random lattices*, Phys. Rev. Lett. **113**, 120602 (2014), arXiv:1402.4425

[113] T. Vojta, J. Igo and J.A. Hoyos: *Rare regions and Griffiths singularities at a clean critical point: The five-dimensional disordered contact process*, Phys. Rev. E **90**, 012139 (2014), arXiv:1405.4337

[112] D. Nozadze and T. Vojta: *Numerical method for disordered quantum phase transitions in the large−N limit*, Phys. Stat. Sol. B **251**, 675 (2014), arXiv:1302.5839

[111] T. Vojta and J.A. Hoyos: *Criticality and quenched disorder: rare regions vs. Harris criterion*, Phys. Rev. Lett. **112**, 075702 (2014), arXiv:1309.0753

[110] F. Hrahsheh, R. Narayanan, J.A. Hoyos and T. Vojta: *Strong-randomness infinite-coupling phase in a random quantum spin chain*, Phys. Rev. B **89**, 014401 (2014), arXiv:1310.4864

[109] H. Barghathi, D. Nozadze and T. Vojta: *Contact process on generalized Fibonacci chains: infinite-modulation criticality and double-log periodic oscillations*, Phys. Rev. E **89**, 012112 (2014), arXiv:1310.2976

[108] F. Hrahsheh and T. Vojta: *Disordered bosons in one dimension: from weak to strong randomness criticality*, Phys. Rev. Lett. **109**, 265303 (2012), arXiv:1210.4807

[107] T. Vojta: *Monte-Carlo simulations of the clean and disordered contact process in three dimensions*, Phys. Rev. E **86**, 051137 (2012), arXiv:1209.1400

[106] F. Hrahsheh, J.A. Hoyos and T. Vojta: *Rounding of a first-order quantum phase transition to a strong-coupling critical point*, Phys. Rev. B **86**, 214204 (2012), arXiv:1208.0471

[105] H. Barghathi and T. Vojta: *Random fields at a nonequilibrium phase transition*, Phys. Rev. Lett. **109**, 170603 (2012), arXiv:1206.1878

[104] F. Hrahsheh and T. Vojta: *Anomalous elasticity in a disordered layered XY model*, Physica Scripta **T151**, 014074 (2012), arXiv:1204.3545

[103] M. Al-Ali, J.A. Hoyos and T. Vojta: *Percolation transition in quantum Ising and rotor models with sub-Ohmic dissipation*, Phys. Rev. B **86**, 075119 (2012), arXiv:1206.4332

[102] D. Nozadze and T. Vojta: *Quantum Griffiths singularities in ferromagnetic metals*, Phys. Rev. B **85**, 174202 (2012), arXiv:1202.5562; selected as an Editor's Suggestion

[101] J.A. Hoyos and T. Vojta: *Dissipation effects in random transverse-field Ising chains*, Phys. Rev. B **85**, 174403 (2012), arXiv:1203.0698

[100] L. Demkó, S. Bordács, T. Vojta, D. Nozadze, F. Hrahsheh, C. Svoboda, B. Dóra, H. Yamada, M. Kawasaki, Y. Tokura and I. Kézsmárki: *Disorder promotes ferromagnetism: Rounding of the quantum phase transition in* $Sr_{1-x}Ca_xRuO_3$, Phys. Rev. Lett. **108**, 185701 (2012), arXiv:1202.3810

[99] C. Svoboda, D. Nozadze, F. Hrahsheh and T. Vojta: *Disorder correlations at smeared phase transitions*, Europhys. Lett. **97**, 20007 (2012), arXiv:1109.4290

[98] M. Al-Ali and T. Vojta: *Quantum phase transition of the sub-Ohmic rotor model*, Phys. Rev. B **84**, 195136 (2011), arXiv:1110.2470

[97] F. Hrahsheh, H. Barghathi and T. Vojta: *Infinite-randomness criticality in a randomly layered Heisenberg magnet*, Phys. Rev. B **84**, 184202 (2011), arXiv:1109.4172

[96] D. Nozadze and T. Vojta: *Transport properties in antiferromagnetic quantum Griffiths phases*, Europhys. Lett. **95**, 57010 (2011), arXiv:1103.6274

[95] F. Hrahsheh, D. Nozadze and T. Vojta: *Composition-tuned smeared quantum phase transitions*, Phys. Rev. B **83**, 224402 (2011), arXiv:1103.5439

[94] T. Vojta, J.A. Hoyos, P. Mohan and R. Narayanan: *Influence of superohmic dissipation on a disordered quantum critical point*, J. Phys. Condens. Matter **23**, 094206 (2011), arXiv:1008.1106

[93] A. Schroeder, S. Ubaid-Kassis and T. Vojta: *Signatures of a quantum Griffiths phase in a d-metal alloy close to its ferromagnetic quantum critical point*, J. Phys. Condens. Matter **23**, 094205 (2011), arXiv:1006.4094

[92] J.A. Hoyos, N. Laflorencie, A.P. Vieira and T. Vojta: *Protecting clean critical points by local disorder correlations*, Europhys. Lett. **93**, 30004 (2011), arXiv:1011.0182

[91] M.Y. Lee and T. Vojta: *Generalized contact process with two symmetric absorbing states in two dimensions*, Phys. Rev. E **83**, 011114 (2011), arXiv:1010.3298

[90] A. Del Maestro, B. Rosenow, J.A. Hoyos and T. Vojta: *Dynamical conductivity at the dirty superconductor-metal quantum phase transition*, Phys. Rev. Lett. **105**, 145702 (2010), arXiv:1006.3793

[89] P. Mohan, P.M. Goldbart, R. Narayanan, J. Toner and T. Vojta: *An anomalously elastic, intermediate phase in randomly layered superfluids, superconductors, and planar magnets*, Phys. Rev. Lett. **105**, 085301 (2010), arXiv:1003.5201

[88] M.Y. Lee and T. Vojta: *Phase transitions of the generalized contact process with two absorbing states*, Phys. Rev. E **81**, 061128 (2010), arXiv:1003.1308

[87] P. Mohan, R. Narayanan and T. Vojta: *Infinite randomness and quantum Griffiths effects in a classical system: the randomly layered Heisenberg magnet*, Phys. Rev. B **81**, 144407 (2010), arXiv:0912.5244

[86] S. Ubaid-Kassis, T. Vojta and A. Schroeder: *Quantum Griffiths Phase in the weak itinerant ferromagnetic alloy* $Ni_{1-x}V_x$, Phys. Rev. Lett. **104**, 066402 (2010), arXiv:0912.1146

[85] T. Vojta and J.A. Hoyos: *Magnetic Grüneisen ratio of the random transverse-field Ising chain*, phys. stat. sol (b) **247**, 525 (2010), arXiv:0906.0972

[84] T. Heitmann, A. Schmets, J. Gaddy, J. Lamsal, M. Petrovic, W. Montfrooij, and T. Vojta: *Magnetic excitations in the spinel compound* $Li_x[Mn_{1.96}Li_{0.04}]O_4$ $(x = 0.2, 0.6, 0.8, 1.0)$*: how a classical system can mimic quantum critical scaling*, Phys. Rev. B **81**, 014411 (2010),

arXiv:0902.4412; selected as an Editor's Suggestion, highlighted with a synopsis on the physics.aps.org website

[83] T. Vojta: *Thermal expansion and Grüneisen parameter in quantum Griffiths phases*, Phys. Rev. B **80**, 041101(R) (2009), arXiv:0905.2106

[82] M.Y. Lee and T. Vojta: *Absorbing-state phase transitions on percolating lattices*, Phys. Rev. E **79**, 041112 (2009), arXiv:0901.1995

[81] J. Lamsal, J. Gaddy, M. Petrovic, W. Montfrooij and T. Vojta: *The search for quantum critical scaling in a classical system*, J. Appl. Phys. **105**, 07E322 (2009)

[80] J. Gaddy, J. Lamsal, M. Petrovic, W. Montfrooij, A. Schmets and T. Vojta: *Magnetic ordering in the spinel compound* $LiMn_{2-x}Li_xO_4$, J. Appl. Phys. **105**, 07D532 (2009)

[79] T. Vojta and J.A. Hoyos: *Smeared quantum phase transition in the dissipative random quantum Ising model*, Physica E **42**, 383–387 (2010), arXiv:0811.3754

[78] T. Vojta, A. Farquhar, and J. Mast: *Infinite-randomness critical point in the two-dimensional disordered contact process*, Phys. Rev. E **79**, 011111 (2009), arXiv:0810.1569

[77] T. Vojta, C. Kotabage, and J.A. Hoyos: *Infinite-randomness quantum critical points induced by dissipation*, Phys. Rev. B **79**, 024401 (2009), arXiv:0809.2699; selected as an Editor's Suggestion, see accompanying Viewpoint Commentary by G. Refael, Physics **2**, 1 (2009), [also: Virtual Journal of Nanoscale Science & Technology **19**, no. 3 (2009)]

[76] J.A. Hoyos and T. Vojta: *Theory of smeared quantum phase transitions*, Phys. Rev. Lett. **100**, 240601 (2008), arXiv:0802.2303

[75] J.A. Hoyos and T. Vojta: *Dissipation effects in percolating quantum Ising magnets*, Physica B **403**, 1245 (2008), cond-mat/0703557

[74] T. Vojta and J.A. Hoyos: *Ordered droplets in quantum magnets with long-range interactions*, Physica B **403**, 1239 (2008), cond-mat/0703555

[73] J.A. Hoyos, C. Kotabage, and T. Vojta: *Effects of dissipation on a quantum critical point with disorder*, Phys. Rev. Lett. **99**, 230601 (2007), [also: Virtual Journal of Nanoscale Science & Technology **16**, no. 25 (2007)], arXiv:0705.1865

[72] J.A. Hoyos and T. Vojta: *Local defect in a magnet with long-range interactions*, Phys. Rev. B **75**, 104418 (2007), cond-mat/0611001

[71] S. Huether, R. Kinney and T. Vojta: *Slow dynamics at the smeared phase transition of randomly layered magnets*, Phys. Rev. B **74**, 094425 (2006), cond-mat/0607025

[70] T. Vojta and R. Sknepnek: *Quantum phase transitions of the diluted O(3) rotor model*, Phys. Rev. B **74**, 094415 (2006), cond-mat/0606154

[69] J.A. Hoyos and T. Vojta: *Percolation transition and dissipation in quantum Ising magnets*, Phys. Rev. B **74**, 140401(R) (2006), cond-mat/0605036

[68] M. Vojta, T. Vojta, and R.K. Kaul: *Spin excitations in fluctuating stripe phases*, Phys. Rev. Lett. **97**, 097001 (2006), cond-mat/0510448

[67] T. Vojta and M.Y. Lee: *Nonequilibrium phase transition on a randomly diluted lattice*, Phys. Rev. Lett. **96**, 035701 (2006), cond-mat/0511065

[66] T. Vojta and J. Schmalian: *Percolation quantum phase transitions in diluted magnets*, Phys. Rev. Lett. **95**, 237206 (2005), cond-mat/0508211

[65] T. Vojta and M. Dickison: *Critical behavior and Griffiths effects in the disordered contact process*, Phys. Rev. E **72**, 036126 (2005), cond-mat/0505354

[64] T. Vojta and J. Schmalian: *Quantum Griffiths effects in itinerant Heisenberg magnets*, Phys. Rev. B **72**, 045438 (2005), [also: Virtual Journal of Nanoscale Science & Technology, **12**, no. 4 (2005), cond-mat/0405609

[63] B. Fendler, R. Sknepnek and T. Vojta: *Dynamics at a smeared phase transition*, J. Phys. A: Math. Gen. **38**, 2349–2358 (2005), cond-mat/0409688

[62] M. Dickison and T. Vojta: *Monte-Carlo simulations of the smeared phase transition in a contact process with extended defects*, J. Phys. A **38**, 1199–1208 (2005), cond-mat/0410626

[61] T. Vojta and R. Sknepnek: *Critical points and quenched disorder: From Harris criterion to rare regions and smearing*, phys. stat. sol. (b) **241**, 2118 (2004), cond-mat/0405070

[60] T. Vojta: *Broadening of a nonequilibrium phase transition by extended structural defects*, Phys. Rev. E **70**, 026108 (2004), cond-mat/0402606

[59] R. Sknepnek, T. Vojta and R. Narayanan: *Order parameter symmetry and mode coupling effects at dirty superconducting quantum phase transitions*, Phys. Rev. B **70**, 104514 (2004), cond-mat/0211519

[58] R. Sknepnek and T. Vojta: *Smeared phase transition in a three-dimensional Ising model with planar defects: Monte-Carlo simulations*, Phys. Rev. B **69**, 174410 (2004), cond-mat/0311394

[57] R. Sknepnek, T. Vojta and M. Vojta: *Exotic vs. conventional scaling and universality in a disordered bilayer quantum Heisenberg antiferromagnet*, Phys. Rev. Lett. **93**, 097201 (2004), cond-mat/0402352

[56] T. Vojta: *Smearing of the phase transition in Ising systems with planar defects*, J. Phys. A **36**, 10921-35 (2003), cond-mat/0303598

[55] T.R. Kirkpatrick, T. Vojta, D. Belitz and R. Narayanan: *Superconductivity and Quantum Phase Transitions in Weak Itinerant Ferromagnets*, Int. J. Mod. Phys. B **17**, 5081 (2003), cond-mat/0108443

[54] D. Belitz, S.L. Sessions, T.R. Kirkpatrick, M.T. Mercaldo, R. Narayanan and T. Vojta: *Transport Anomalies and Marginal Fermi-Liquid Effects at a Quantum Critical Point*, Int. J. Mod. Phys. B **17**, 5041 (2003), cond-mat/0108118

[53] T. Vojta: *Disorder-induced rounding of certain quantum phase transitions*, Phys. Rev. Lett. **90**, 107202 (2003), cond-mat/0212305

[52] M. Schreiber and T. Vojta: *The Hartree-Fock based diagonalization - an efficient algorithm for the treatment of interacting electrons in disordered solids*, Math. Comp. Sim. **62**, 243-254 (2003), cond-mat/0111062

[51] D. Belitz, T.R. Kirkpatrick and T. Vojta:*Local versus nonlocal order parameter field theories for quantum phase transitions?*, Phys. Rev. B **65**, 165112 (2002), cond-mat/0109547

[50] T. Vojta, D. Belitz and T.R. Kirkpatrick: *Annealed local magnetic moments and the metal-insulator transition in disordered electronic systems*, phys. stat. sol. (b) **230**, 97–100 (2002)

[49] M. Schreiber, J. Siewert and T. Vojta: *Interacting electrons in parabolic quantum dots: energy levels, addition energies, and charge distributions*, Int. J. Mod. Phys. B **15**, 3641 (2001)

[48] T.R. Kirkpatrick, D. Belitz, T. Vojta and R. Narayanan: *Strong enhancement of superconducting T_c in ferromagnetic phases*, Phys. Rev. Lett. **87**, 127003 (2001), cond-mat/0105627

[47] T. Vojta and M. Schreiber: *Localization and conductance in the quantum Coulomb glass*, Phil. Mag. B **81**, 1117 (2001), cond-mat/0109551

[46] T. Vojta and R. Sknepnek: *The quantum phase transition of itinerant helimagnets*, Phys. Rev. B **64**, 052404 (2001), cond-mat/0009441

[45] F. Epperlein, S. Kilina, M. Schreiber, S. Uldanov and T. Vojta: *Fock space localization, return probability, and conductance of disordered interacting electrons*, Physica B **296**, 52–5 (2001), cond-mat/0105481

[44] R. Narayanan and T. Vojta: *The effect of rare regions on disordered itinerant quantum antiferromagnets with cubic anisotropy*, Phys. Rev. B **63**, 014405 (2001), cond-mat/0004013

[43] R.A. Römer, M. Schreiber and T. Vojta: *Disorder and two-particle interaction in low-dimensional quantum systems*, Physica E **9**, 397–404 (2001), cond-mat/0009378

[42] D. Belitz, T.R. Kirkpatrick, R. Narayanan and T. Vojta: *Transport anomalies and marginal Fermi liquid effects at a quantum critical point*, Phys. Rev. Lett. **85**, 4602–5 (2000), cond-mat/0008431

[41] D. Belitz, T.R. Kirkpatrick and T. Vojta: *Rare regions, local moments, and annealed disorder: A novel mechanism for metal-insulator transitions*, Phys. Rev. Lett. **84**, 5176–9 (2000), cond-mat/9910040

[40] T. Vojta, F. Epperlein, S. Kilina and M. Schreiber: *From localization to delocalization in the quantum Coulomb glass*, phys. stat. sol. (b) **218**, 31–34 (2000), cond-mat/0003395

[39] T. Vojta, D. Belitz, T.R. Kirkpatrick, R. Narayanan: *Quantum critical behavior of itinerant ferromagnets*, Ann. Phys. (Leipzig) **8**, 593–602 (1999), cond-mat/9907404

[38] R. Narayanan, T. Vojta, D. Belitz and T.R. Kirkpatrick: *Rare regions and annealed disorder in quantum phase transitions*, Ann. Phys. (Leipzig) **8**, SI–185–8 (1999), cond-mat/9907384

[37] F. Epperlein, T. Vojta, and Michael Schreiber: *Crossover from interaction induced localization to delocalization in disordered electron systems*, Ann. Phys. (Leipzig) **8**, SI–61–4 (1999), cond-mat/9910321

[36] R. Narayanan, T. Vojta, D. Belitz and T.R. Kirkpatrick: *Critical behavior of disordered quantum magnets: The relevance of rare regions*, Phys. Rev. B **60**, 10150–63 (1999), cond-mat/9905047

[35] R. Narayanan, T. Vojta, D. Belitz and T.R. Kirkpatrick: *Influence of rare regions on magnetic quantum phase transitions*, Phys. Rev. Lett. **82** , 5132–5 (1999), cond-mat/9903194

[34] D. Belitz, T.R. Kirkpatrick and T. Vojta: *First order transitions and multicritical points in weak itinerant ferromagnets*, Phys. Rev. Lett. **82**, 4707–10 (1999), cond-mat/9812420

[33] T. Vojta, F. Epperlein and M. Schreiber: *Hartree-Fock based diagonalization: an efficient method for simulating disordered interacting electrons*, Computer Phys. Commun. **121–122**, 489-92 (1999), cond-mat/9809171

[32] M. Schreiber, F. Epperlein and T. Vojta: *Transport in disordered interacting systems: Numerical results for one-dimensional spinless electrons*, Physica A **266**, 443–9 (1999), cond-mat/9807385

[31] R.A. Römer, M. Schreiber and T. Vojta: *Two interacting particles in a random potential: Numerical calculations of the interaction matrix elements*, phys. stat. sol. (b) **211**, 681–9 (1999), cond-mat/9702241

[30] T. Vojta and F. Epperlein: *Electronic transport in disordered interacting systems*, Ann. Phys. (Leipzig) **7**, 493–8 (1998), cond-mat/9812247

[29] T. Vojta and M. Schreiber: *Differences between sequential and random order of updates in damage spreading simulations*, Phys. Rev. E **58**, 7998–8001 (1998), cond-mat/9807229

[28] T. Vojta, F. Epperlein and M. Schreiber: *Do interactions increase or reduce the conductance of disordered electrons? It depends!*, Phys. Rev. Lett. **81**, 4212–5 (1998), cond-mat/9806194

[27] D. Belitz, T.R. Kirkpatrick, A. Millis and T. Vojta: *Nonanalytic magnetization dependence of the magnon effective mass in itinerant quantum ferromagnets*, Phys. Rev. B **58**, 14155–8 (1998), cond-mat/9806168

[26] T. Vojta: *In an Ising model with spin-exchange dynamics damage always spreads*, J. Phys. A **31**, 6595–6603 (1998), cond-mat/9803053

[25] F. Epperlein, M. Schreiber and T. Vojta: *Quantum Coulomb glass – Hartree-Fock approximation versus exact diagonalization*, phys. stat. sol. (b) **205**, 233–6 (1998), cond-mat/9708193

[24] T. Vojta, F. Epperlein and M. Schreiber: *Quantum Coulomb glass: Anderson localization in an interacting system*, phys. stat. sol. (b) **205**, 53–9 (1998), cond-mat/9708192

[23] T. Vojta: *Damage spreading in random field systems*, J. Phys. A **30**, L643–9 (1997), cond-mat/9705299

[22] F. Epperlein, M. Schreiber and T. Vojta: *Quantum Coulomb glass within the Hartree-Fock approximation*, Phys. Rev. B **56**, 5890–6 (1997), cond-mat/9704068

[21] T. Vojta, D. Belitz, R. Narayanan and T.R. Kirkpatrick: *Quantum critical behavior of clean itinerant ferromagnets*, Z. Phys. B **103**, 451–61 (1997), cond-mat/9612224

[20] T. Vojta: *Chaotic behavior and damage spreading in the Glauber Ising model – a master equation approach*, Phys. Rev. E **55**, 5157–64 (1997), cond-mat/9611232

[19] D. Belitz, T.R. Kirkpatrick and T. Vojta: *Nonanalytic behavior of the spin-susceptibility in clean Fermi systems*, Phys. Rev. B **55**, 9452–64 (1997), cond-mat/9611099

[18] T. Wappler, T. Vojta and M. Schreiber: *Monte-Carlo simulations of the dynamical behavior of the Coulomb glass*, Phys. Rev. B **55**, 6272–8 (1997), cond-mat/9610089

[17] T. Vojta: *Damage spreading and dynamic stability of kinetic Ising models*, J. Phys. A **30**, L7–13 (1997), cond-mat/9610084

[16] T. Vojta, D. Belitz, R. Narayanan and T.R. Kirkpatrick: *Breakdown of Landau-Ginzburg-Wilson theory for certain quantum phase transitions*, Europhys. Lett. **36**, 191–97 (1996), cond-mat/9510146

[15] A. Vojta and T. Vojta: *Current localization in nonlinear inhomogeneous media*, J. Phys. Condens. Matter **8**, L461–67 (1996)

[14] T. Vojta and M. Schreiber: *Critical behavior of a quantum spherical model in a random field*, Phys. Rev. B **53**, 8211–8214 (1996)

[13] T. Vojta: *Quantum version of spherical model: Crossover from quantum to classical critical behavior*, Phys. Rev. B **53**, 710–714 (1996)

[12] M. Schreiber, K. Tenelsen and T. Vojta: *Density of states, relaxation dynamics, and hopping conductivity of disordered many-electron systems with long-range correlations*, J. Lumin. **66/67**, 521 (1996)

[11] M. Sarvestani, M. Schreiber and T. Vojta: *The Coulomb gap at finite temperatures*, Phys. Rev. B **52**, R3820–3823 (1995)

[10] T. Vojta and M. Schreiber: *Generalization of the Schwartz-Soffer inequality for correlated random fields*, Phys. Rev. B **52**, R693–695 (1995)

[9] A. Vojta, G. Vojta, M. Vojta and T. Vojta: *The Coulomb glass on a fractal lattice*, J. Phys. Condens. Matter **7**, L67–73 (1995)

[8] T. Vojta and M. Schreiber: *Critical behavior of the Coulomb glass (Comment)*, Phys. Rev. Lett. **73**, 2933 (1994)

[7] T. Vojta and M. Schreiber: *Critical correlations and susceptibilities in the random-field spherical model*, Phys. Rev. B **50**, 1272–74 (1994)

[6] T. Vojta and M. Schreiber: *Generalized Coulomb gap in the spherical version of a lattice model of disordered and correlated particles*, Phys. Rev. B **49**, 7861–7867 (1994)

[5] T. Vojta, W. John and M. Schreiber: *Bethe-Peierls-Weiss approximation for the two- and three-dimensional Coulomb glass: Zero temperature and finite temperature results*, J. Phys. Condens. Matter **5**, 4989–5000 (1993)

[4] T. Vojta: *Spherical random-field-systems with long-range interactions: General results and application to Coulomb glass*, J. Phys. A **26**, 2883–2893 (1993)

[3] T. Vojta and W. John: *The one-dimensional Coulomb glass within the Bethe-Peierls-Weiss approximation*, J. Phys. Condens. Matter **5**, 57–66 (1993)

[2] T. Vojta, I. Mertig and R. Zeller: *Calculation of the residual resistivity and thermopower of sp-impurities in silver*, Phys. Rev. B **46**, 15761–15766 (1992)

[1] R. Kaschner and T. Vojta: *Accurate Numerical Calculation of the Electron Density at a Bijellic Interface within the Gradient Expansion Method*, phys. stat. sol. (b) **162**, 141–146 (1990)

Proceedings, Books, and Book Chapters

[24] M. Puschmann and T. Vojta: *Superfluid-Mott glass quantum multicritical point on a percolating lattice*, Proceedings of the 28th IUPAP Conference on Computational Physics, J. Phys. Conf. Series **905**, 012038 (2017) arXiv:1608.06862

[23] R. Wang, S. Ubaid-Kassis, A. Schroeder, P.J. Baker, F.L. Pratt, S.J. Blundell, T. Lancaster, I. Franke, J.S. Möller and T. Vojta: *Evidence for magnetic clusters in $Ni_{1-x}V_x$ close to the quantum critical concentration*, Proceedings of the International Conference on Strongly Correlated Electron Systems 2014, J. Phys.: Conf. Series **592**, 012089 (2015), arXiv:1410.0094

[22] T. Vojta: *Strong-disorder magnetic quantum phase transitions: Status and new developments*, Proceedings of the International Conference on Recent Progress in Many-Body Theories 17, J. Phys. Conf. Series **529**, 012016 (2014), arXiv:1311.7361

[21] T. Vojta: *Phases and phase transitions in disordered quantum systems*, in A. Avella and F. Mancini (Eds.): Lectures On The Physics Of Strongly Correlated Systems XVII, AIP Conference Proceedings 1550, AIP Publishing, Melville (2013), pp. 188–247, arXiv:1301.7746

[20] D. Nozadze, C. Svoboda, F. Hrahsheh and T. Vojta: *Modification of smeared phase transitions by spatial disorder correlations*, in A. Avella and F. Mancini (Eds.): Lectures On The Physics Of Strongly Correlated Systems XVII, AIP Conference Proceedings 1550, AIP Publishing, Melville (2013), pp. 263–267, arXiv:1212.5962

[19] D. Nozadze and T. Vojta: *Non-Fermi liquid transport and "universal" ratios in quantum Griffiths phases*, Proceedings of the International Conference on Strongly Correlated Electron Systems 2011, J. Phys. Conf. Series **391**, 012162 (2012) , arXiv:1110.3093

[18] F. Hrahsheh, H. Barghathi, P. Mohan, R. Narayanan and T. Vojta: *Evidence for power-law Griffiths singularities in a layered Heisenberg magnet*, Proceedings of the International Conference on Strongly Correlated Electron Systems 2010, J. Phys. Conf. Series, **273**, 012004 (2011), arXiv:1005.5484

[17] M. Vojta and T. Vojta: *Melting at the absolute zero of temperature: Quantum phase transitions in condensed matter*, in W. Eisenberg (Ed.): Festschrift on the occasion of Prof. Günter Vojta's 80th birth-

day, Synergie, Syntropie, Nichtlineare Systeme, vol. **7**, Leipziger Universitätsverlag, Leipzig (2008), pp 63–73, arXiv:0809.2272

[16] T. Vojta and J.A. Hoyos: *Quantum phase transitions on percolating lattices*, in J. Boronat, G. Astrakharchik and F. Mazzanti (Eds.): Recent Progress in Many-Body Theories, World Scientific, Singapore (2008)

[15] T. Vojta: *Parallel simulations of phase transitions in disordered many-particle systems*, in K.H. Hoffmann and A. Meyer (Eds.): Parallel algorithms and cluster computing, Springer, Berlin (2006)

[14] M. Schreiber, A. Möbius and T. Vojta: *Simulationsverfahren zur Lösung bisher nicht analytisch behandelbarer Probleme*, in Proc. Symposium Simulation in Physik, Informatik und Informationstechnik (SYSI), Leipzig (2002)

[13] M. Schreiber, J. Siewert and T. Vojta: *Interacting electrons in parabolic quantum dots: energy levels, addition energies, and charge distributions*, in K. Cho and A. Matsui (Eds.): Excitonic Processes in Condensed Matter, World Scientific, Singapore (2001), pp. 73–77

[12] T.R. Kirkpatrick, T. Vojta, D. Belitz and R. Narayanan: *Superconductivity and Quantum Phase Transitions in Weak Itinerant Ferromagnets*, in R.F. Bishop et al. (Eds.): Recent Progress in Many-Body Theories 11, World Scientific, Singapore (2002)

[11] D. Belitz, S.L. Sessions, T.R. Kirkpatrick, M.T. Mercaldo, R. Narayanan and T. Vojta: *Transport Anomalies and Marginal Fermi-Liquid Effects at a Quantum Critical Point*, in R.F. Bishop et al. (Eds.): Recent Progress in Many-Body Theories 11, World Scientific, Singapore (2002)

[10] J. Siewert, M. Schreiber and T. Vojta: *Interacting electrons in parabolic quantum dots*, in N. Miura and T. Ando (Eds.): Springer Proceedings in Physics, vol. 87, no. 2 (2001), pp. 1061–1062

[9] M. Schreiber and T. Vojta: *Condensed matter physics on the computer*, in Proc. Int. Summer School on Teaching Computational Physics, Trest (2000)

[8] T. Vojta: *Quantum and classical phase transitions in electronic systems*, Habilitation thesis, TU Chemnitz (2000)

[7] F. Epperlein, M. Schreiber, T. Vojta and A. Möbius: *Coulomb interactions and localization in disordered electron systems*, in Proc. 24th International Conference on the Physics of Semiconductors, Jerusalem (1998)

[6] M. Schreiber, F. Epperlein and T. Vojta: *Density of states and localization properties of disordered quantum systems with long-range interactions*, in M. Scheffler and R. Zimmermann (Eds.): Proc. 23rd International Conference on the Physics of Semiconductors, World Scientific, Singapore (1996), pp. 169–72

[5] T. Vojta, T. Wappler and M. Schreiber: *Damage Spreading in the Coulomb Glass*, in O. Millo and Z. Ovadyahu (Eds.): Proc. 6th International Conference on Hopping and Related Phenomena, Jerusalem (1995), pp. 80–5

[4] T. Vojta, M. Schreiber and M. Sarvestani: *Is One-Parameter Scaling Valid for the Density of States in the Coulomb Gap?*, in: O. Millo and Z. Ovadyahu (Eds.): Proc. 6th International Conference on Hopping and Related Phenomena, Jerusalem (1995), pp. 74–9

[3] T. Vojta: *Disorder and interactions in systems of localized particles* (in German), Harri Deutsch, Frankfurt/Main (1995)

[2] T. Vojta and M. Schreiber: *The spherical version of the Coulomb glass*, in C.J. Adkins, A.R. Long and J.A. McInnes (Eds.): Hopping and Related Phenomena 5, World Scientific, Singapure (1994), pp. 314–318

[1] T. Vojta and W. John: *Coulomb-gap in the 1D Efros model*, in P. Ziesche and H. Eschrig (Eds.): Electronic Structure of Solids 91, Akademie-Verlag, Berlin (1991), pp. 67–71

Other, Non-refereed Articles

[3] A. Schroeder, S. Ubaid-Kassis and T. Vojta: *Finding the elusive quantum Griffiths phase*, J. Phys. Condens. Matter, Labtalk article 45309 (2011)

[2] T. Vojta: *Atypical is normal at the metal-insulator transition*, Physics **2**, 66 (2009)

[1] T. Vojta: *From order to disorder via quantum fluctuations* (in German), Physik in unserer Zeit **32** (2001), 38–43

Invited Talks at National and International Meetings

[58] T. Vojta, *Collective modes at a disordered quantum phase transition*, KITP program "A new spin on quantum magnets", Santa Barbara (15 Aug 2023)

[57] T. Vojta, X. Ye, and R. Narayanan, *Controlling the stripe order in a diluted frustrated magnet*, Workshop on Strong Electron Correlations in Quantum Materials: Inhomogeneities, Frustration, and Topology, São Paulo (19 Jun 2023)

[56] T. Vojta, *Collective modes at a disordered quantum phase transition*, Autumn Meeting of the Brazilian Physical Society, Ouro Preto (23 May 2023)

[55] T. Vojta, X. Ye, and R. Narayanan, *Controlling the stripe order in a diluted frustrated magnet*, International Conference on Frontiers of Quantum and Mesoscopic Thermodynamics, Prague (05 Aug 2022)

[54] T. Vojta, X. Ye, and R. Narayanan, *Controlling the stripe order in a diluted frustrated magnet*, 15th Joint MMM-INTERMAG Conference, New Orleans (29 Dec 2021), talk delivered online

[53] T. Vojta, *Collective modes at the superfluid-Mott glass transition*, International Conference on Frontiers of Quantum and Mesoscopic Thermodynamics, Prague (20 Jul 2021), conference held virtually

[52] T. Vojta, *Collective modes at a disordered quantum phase transition*, Localisation 2020, Sapporo (25 Aug 2020), conference held virtually

[51] T. Vojta, M. Puschmann, P. Cain, and M. Schreiber,*Integer quantum Hall transition on a tight-binding lattice*, International Conference on Frontiers of Quantum and Mesoscopic Thermodynamics, Prague (19 Jul 2019)

[50] T. Vojta, *Collective modes at a disordered quantum phase transition*, International Workshop on Quantum Ferromagnetism and Related Phenomena, Dresden (06 May 2019)

[49] T. Vojta, J. Crewse, C. Lerch, M. Puschmann, D. Arovas: *Fate of the amplitude (Higgs) mode at the superfluid-Mott glass quantum phase transition*, International Workshop on Anderson Localization and Interactions, Dresden (27 Sep 2018)

[48] T. Vojta, J. Crewse, C. Lerch, M. Puschmann, D. Arovas: *Fate of the amplitude (Higgs) mode at a disordered quantum phase transition*, ICTP Workshop on Strong Electron Correlations in Quantum Materials: Inhomogeneities, Frustration and Topology, São Paulo (17 Aug 2018)

[47] T. Vojta, J. Crewse, M. Puschmann, D. Arovas: *Amplitude (Higgs) Mode and the superfluid-Mott glass quantum phase transition*, KITP program on Intertwined Order and Fluctuations in Quantum Materials, Santa Barbara (15 Aug 2017)

[46] T. Vojta, J. Crewse, M. Puschmann, D. Arovas: *Fate of the amplitude (Higgs) mode at a disordered quantum phase transition*, International Conference on Frontiers of Quantum and Mesoscopic Thermodynamics, Prague (11 Jul 2017)

[45] T. Vojta: *Emerging phases and phase transitions in quantum matter*, Workshop on Aesthetics and Dynamics, Chemnitz (22 April 2017)

[44] T. Vojta: *Superfluid-Mott glass quantum phase transition*, Workshop on Disorder in Condensed Matter and Black Holes, Leiden (10 Jan 2017)

[43] T. Vojta: *Infinite-noise criticality: Nonequilibrium phase transitions in fluctuating environments*, International Conference on Renormalization Group Theory of Disordered Systems, Paris (25 Jul 2016)

[42] T. Vojta: *Quantum critical behavior of a superfluid-insulator transition*, 28th IUPAP Conference on Computational Physics, Johannesburg (13 Jul 2016)

[41] T. Vojta: *How random is topological disorder: Phase transitions and localization on random lattices*, International Conference on on Quantum Disordered Systems, Chennai (1 Mar 2016)

[40] T. Vojta: *Phases and phase transitions in disordered quantum systems*, series of four lectures at the School on Quantum Disordered Systems, Chennai (24 Feb 2016)

[39] T. Vojta, H. Barghathi, M. Puschmann, P. Cain and M. Schreiber: *How random is topological disorder? Phase transitions and localization on random lattices*, International Conference on Frontiers of Quantum and Mesoscopic Thermodynamics, Prague (30 Jul 2015)

[38] T. Vojta: *How random is topological disorder*, International Conference on Coherence and Correlations on different scales, Ustron (6 Sep 2014)

[37] T. Vojta: Criticality and quenched disorder: Rare regions vs. Harris criterion, Workshop on Quantum Criticality in Correlated Materials and Model Systems, Natal (24 Jul 2014)

[36] T. Vojta: *How random is topological disorder*, International Workshop on Recent Progress and Perspectives in Scaling, Multifractality, Interactions, and Topological Effects Near Anderson Transitions, Dresden (14 Mar 2014)

[35] T. Vojta: *Strong-randomness ferromagnetic quantum phase transitions*, International Conference on Recent Progress in Many-Body Theories 17, Rostock (12 Sep 2013)

[34] T. Vojta: *Strong-randomness phenomena at superfluid phase transitions*, International Conference on Frontiers of Quantum and Mesoscopic Thermodynamics, Prague (1 Aug 2013)

[33] T. Vojta: Phase transitions, disorder, and Griffiths singularities, series of four lectures at the 2013 Boulder School for Condensed Matter and Materials Physics, Boulder (17 July 2013)

[32] T. Vojta: *Strong-randomness phenomena at superfluid phase transitions*, International Conference on Disorder in Condensed Matter and Ultracold Atoms, Varenna (12 June 2013)

[31] T. Vojta: *Phases and phase transitions in disordered quantum systems*, series of five lectures at the XVII Training Course in the Physics of Strongly Correlated System, Vietri Sul Mare (8 Oct 2012)

[30] T. Vojta: *Infinite-randomness criticality in disordered metals and superconductors*, APS March Meeting, Boston (29 Feb 2012)

[29] T. Vojta: *Transport properties in magnetic quantum Griffiths phases*, International Conference Localisation 2011, Pohang (5 Aug 2011)

[28] T. Vojta: *Anomalously elastic intermediate phase in randomly layered superfluids, superconductors, and planar magnets*, International Conference on Frontiers of Quantum and Mesoscopic Thermodynamics, Prague (29 Jul 2011)

[27] T. Vojta: *Anomalous elasticity in disordered superfluids, superconductors and magnets*, Workshop on Synergies between Field Theory and Exact Computational Methods in Strongly Correlated Quantum Matter, Trieste (26 Jul 2011)

[26] T. Vojta: *Ultraslow dynamics in disordered superconducting nanowires*, KITP Program on Electron Glasses, Santa Barbara (28 Jul 2010)

[25] T. Vojta: *Superconductor-metal quantum phase transition in disordered nanowires*, International Workshop on Correlated Phenomena in Low-Dimensional Systems, Dresden (16 Jul 2010)

[24] T. Vojta: *Rare region effects at quantum phase transitions*, Symposium on Rare Fluctuations and Large Disorder in Quantum Systems, Princeton Center for Theoretical Science, Princeton University, Princeton (24 Sep 2009)

[23] T. Vojta: *Infinite-randomness quantum critical points induced by dissipation*, International Conference on Quantum Criticality and Novel Phases, Dresden (4 Aug 2009)

[22] T. Vojta: *Effects of dissipation on quantum critical points with disorder*, ICAM Workshop on Quantum Phase Transitions: Statics and Dynamics, Toronto (25 Sep 2008)

[21] T. Vojta: *Quantum critical points with disorder and dissipation*, Int. Conf. on Low-Temperature Physics LT25, Amsterdam (12 Aug 2008)

[20] T. Vojta: *Effects of dissipation on quantum critical points with disorder*, International Conference on Frontiers of Quantum and Mesoscopic Thermodynamics, Prague (28 July 2008)

[19] T. Vojta: *Disordered quantum phase transitions*, Series of four lectures at the Summer School of the Asia-Pacific Center for Theoretical Physics, Seoul (21 July 2008)

[18] T. Vojta: *Quantum phase transitions on percolating lattices*, International Conference on Recent Progress in Many-Body Theories 14, Barcelona (18 July 2007)

[17] T. Vojta: *Quantum phase transitions on percolating lattices*, APS March Meeting, Denver (7 Mar 2007)

[16] T. Vojta: *Quantum phase transitions and disorder: Infinite randomness, Griffiths singularities, and smearing*, APCTP Winter Workshop on Emergent phenomena near quantum critical points, Pohang, Korea, (7 Feb 2007)

[15] T. Vojta: *Quantum phase transitions on percolating lattices*, APCTP Winter Workshop on Emergent phenomena near quantum critical points, Pohang, Korea, (9 Feb 2007)

[14] T. Vojta: *Quantum phase transitions and disorder: rare regions, Griffiths effects and smearing*, KITP Conference on Quantum Phase Transitions, Kavli Institute for Theoretical Physics, Santa Barbara (18 Jan 2005)

[13] T. Vojta: *Ferromagnetic quantum phase transitions*, 20th General Conference of the Condensed Matter Division of the European Physical Society, Prague (21 July 2004)

[12] T. Vojta and R. Sknepnek: *Critical points and quenched disorder: From Harris criterion to rare regions and smearing*, International Workshop on Modelling and Simulation in Molecular Systems, Mesoscopic Structures, and Materials Science, Chemnitz (21 Apr 2004)

[11] T. Vojta: *Itinerant ferromagnetic quantum phase transition*, ICAM workshop on quantum criticality, New York (21 Mar 2003)

[10] T. Vojta: *Unconventional scaling at dirty superconducting quantum phase transitions*, SPHINX Workshop on Unconventional Critical Behaviour and Phase Transitions, Prague (21 Sep 2002)

[9] T. Vojta: *Quantum phase transitions in electronic systems*, European Science Foundation FERLIN Workshop on the Physics of Ytterbium systems at low temperatures, Krumbach (30 Nov 2001)

[8] A. Goldman, A. Möbius, Z. Ovadyahu and T. Vojta: *Discussion panel on glassy behavior in Coulomb systems*, 9th International Conference on Hopping and Related Phenomena, Shefayim (3 Sep 2001)

[7] T. Vojta: *Quantum phase transitions: Theory and simulations*, WE-Heraeus summer school on statistical physics: From the billiard table to Monte Carlo, Chemnitz (5 Oct 2000)

[6] T. Vojta: *Condensed matter physics on the computer*, Int. summer school on teaching computational physics, Trest (31 Aug 2000)

[5] T. Vojta, D. Belitz, T.R. Kirkpatrick, R. Narayanan: *Quantum critical behavior of itinerant ferromagnets*, Int. Conference on Localization, Hamburg (30 Jul 1999)

[4] T. Vojta, F. Epperlein and M. Schreiber: *Computer simulation of disordered interacting electrons*, Conference on Computational Physics, Granada (3 Sep 1998)

[3] T. Vojta, D. Belitz, T.R. Kirkpatrick and R. Narayanan: *Magnetic quantum phase transition of clean and disordered itinerant electrons*, 62. Frühjahrstagung der DPG, Regensburg (24 Mar 1998)

[2] T. Vojta: *Numerical simulation of the quantum Coulomb glass*, Workshop of A. von Humboldt-Stiftung: Localization and Electronic States in Low-dimensional Condensed Matter Systems, Papstdorf (16 Jan 1998)

[1] T. Vojta: *Quantum Coulomb glass*, 7th International Conference on Hopping and Related Phenomena, Rackeve (20 Aug 1997)

Seminars and Colloquia

[108] T.Vojta: *The world inside atoms revealed by ultrafast light pulses: The 2023 Physics Nobel Prize*, Physics Colloquium, Missouri University of Science and Technology, Rolla (30 Nov 2023)

[107] T. Vojta: *Entangled states - from theory to technology: The 2022 Physics Nobel Prize*, Physics Colloquium, Missouri University of Science and Technology, Rolla (1 Dec 2022)

[106] T. Vojta: *Collective modes at a disordered quantum phase transition*, Condensed Matter Seminar, Harvard University, Boston (21 Apr 2022)

[105] T. Vojta: *Hidden patterns in complex systems: The 2021 Nobel Prize in Physics*, Physics Colloquium, Missouri University of Science and Technology, Rolla (18 Nov 2021)

[104] T. Vojta: *Emerging phases and phase transitions in quantum matter*, Chemistry Seminar, Missouri

University of Science and Technology, Rolla (10 Feb 2020)

[103] T. Vojta: *Collective modes at a disordered quantum phase transition*, Condensed Matter Seminar, Los Alamos National Laboratory, Los Alamos (27 Jan 2020)

[102] T. Vojta and S. Saito: *New perspectives on our place in the universe: 2019 Physics Nobel Prize*, Physics Colloquium, Missouri University of Science and Technology, Rolla (21 Nov 2019)

[101] T. Vojta: *How random is topological disorder: Phase transitions in random systems*, Seminar, California Nanoscience Institute, Santa Barbara (12 Apr 2019)

[100] T. Vojta: *Emerging phases and phase transitions in (disordered) quantum matter*, Physics Colloquium, Illinois State University, Normal (26 Feb 2019)

[99] T. Vojta and D. Fischer: Tools made of light: 2018 Physics Nobel Prize, Physics Colloquium, Missouri University of Science and Technology, Rolla (29 Nov 2018)

[98] T. Vojta: *Quantum phase transitions and disorder: Griffiths singularities, infinite randomness, and smearing*, Condensed Matter Theory Seminar, University of Maryland, College Park (30 Oct 2018)

[97] T. Vojta: *Quantum phase transitions and disorder: Griffiths singularities, infinite randomness, and smearing*, Theoretical Physics Seminar, Stanford University, Palo Alto (25 Oct 2018)

[96] T. Vojta: *Exotic phase transitions in disordered magnets, superconductors, and ultracold gases*, Physics Colloquium, University of Regensburg, Germany (28 May 2018)

[95] T. Vojta: *Quantum phase transitions and disorder: Griffiths singularities, infinite randomness, and smearing*, Theoretical Physics Seminar, TU Dresden, Germany (8 Dec 2017)

[94] T. Vojta: *Quantum phase transitions and disorder: Griffiths singularities, infinite randomness, and smearing*, Seminar on Theory of disordered systems, Chemnitz University of Technology, Germany (6 Dec 2017)

[93] T. Vojta: *Quantum phase transitions and disorder: Griffiths singularities, infinite randomness, and smearing*, Seminar, Helmholtz-Zentrum Dresden-Rossendorf, Germany (4 Dec 2017)

[92] T. Vojta: *Cosmic chirps: 2017 Physics Nobel Prize*, Physics Colloquium, Missouri University of Science and Technology, Rolla (30 Nov 2017)

[91] T. Vojta: *Quantum phase transitions and disorder: Griffiths singularities, infinite randomness, and smearing*, Theoretical Physics Seminar, Washington University, St. Louis (5 Oct 2017)

[90] T. Vojta: *Emerging phases and phase transitions in (disordered) quantum matter*, Physics Colloquium, University of Vermont, Burlington (26 April 2017)

[89] T. Vojta: *Emerging phases and phase transitions in (disordered) quantum matter*, Physics Colloquium, Iowa State University, Ames (27 Feb 2017)

[88] T. Vojta: *Strange phenomena in flatland: Physics Nobel Prize 2016*, Physics Colloquium, Missouri University of Science and Technology, Rolla (1 Dec 2016)

[87] T. Vojta: *Infinite randomness in magnets, superconductors, bio-populations and evolution*, Condensed Matter Seminar, University of Oregon, Eugene (22 Jan 2016)

[86] T. Vojta: *Emerging phases and phase transitions in quantum matter*, Physics Colloquium, University of Oregon, Eugene (21 Jan 2016)

[85] T. Vojta: *Metamorphosis in the particle world: Physics Nobel Prize 2015*, Physics Colloquium, Missouri University of Science and Technology, Rolla (12 Nov 2015)

[84] T. Vojta: *Quantum phase transitions and novel phases in condensed matter*, Physics Colloquium, Universidade Federal de São Carlos, São Carlos, Brazil (13 May 2015)

[83] T. Vojta: *Phases and phase transitions in disordered quantum systems*, series of five lectures at the São Carlos Institute of Physics, São Carlos, Brazil, (4 May to 15 May 2015)

[82] T. Vojta: *Quantum phase transitions and novel phases in condensed matter*, Physics Colloquium, Universidade Federal de Minas Gerais, Belo Horizonte, Brazil (24 April 2015)

[81] T. Vojta: *Phases and phase transitions in disordered quantum systems*, series of five lectures at the Universidade Federal de Minas Gerais, Belo Horizonte, Brazil (23 April to 30 April 2015)

[80] T. Vojta: *Filling the world with new light: Physics Nobel Prize 2014*, Physics Colloquium, Missouri University of Science and Technology, Rolla (30 Jan 2015)

[79] T. Vojta: *Quantum phase transitions and disorder: Griffiths singularities, infinite randomness, and smearing*, Condensed Matter Seminar, University of Minnesota, Minneapolis (30 Oct 2014)

[78] T. Vojta: *Strong-randomness phenomena at superfluid phase transitions*, Condensed Matter Colloquium, Los Alamos National Laboratory (15 Oct 2014)

[77] T. Vojta: *Quantum phase transitions and novel phases in condensed matter*, Physics Colloquium, São Carlos Institute of Physics, São Carlos, Brazil (08 Aug 2014)

[76] T. Vojta: *Quantum phase transitions and disorder: Griffiths singularities, infinite randomness, and smearing*, Research Seminar, São Carlos Institute of Physics, São Carlos, Brazil (06 Aug 2014)

[75] T. Vojta: *Quantum phase transitions and disorder: Rare regions, infinite randomness and smearing*, Condensed Matter Seminar, University of Kentucky, Lexington (10 Dec 2013)

[74] T. Vojta: *Particle control in a quantum world: the 2012 Physics Nobel Prize*, Physics Colloquium, Missouri University of Science and Technology, Rolla (14 Nov 2012)

[73] T. Vojta: *Quantum phase transitions and disorder: from Harris criterion to infinite randomness and smearing*, Condensed Matter Physics Seminar, Ohio State University, Columbus (1 Oct 2012)

[72] T. Vojta: *Quantum phase transitions and novel phases in condensed matter*, Seminar, Missouri Institute of Computational and Applied Mathematics, Rolla (28 Nov 2011)

[71] T. Vojta: *The accelerating universe: the 2011 Physics Nobel Prize*, Physics Colloquium, Missouri University of Science and Technology, Rolla (27 Oct 2011)

[70] T. Vojta: *Quantum phase transitions and novel phases in condensed matter*, Physics Department Seminar, Missouri State University, Springfield (03 Mar 2011)

[69] T. Vojta: *Quantum phase transitions and disorder: from Harris criterion to infinite randomness and smearing*, Condensed Matter Seminar, Los Alamos National Laboratory (09 Feb 2011)

[68] Y.-S. Hor and T. Vojta: *Flat carbon: the 2010 Physics Nobel Prize*, Physics Colloquium, Missouri University of Science and Technology, Rolla (21 Oct 2010)

[67] T. Vojta: *Quantum phase transitions and novel phases in condensed matter*, Physics Colloquium, Truman State University, Kirksville (20 Oct 2010)

[66] T. Vojta: *Cluster computing in the Missouri S&T physics department*, Physics Colloquium, Missouri University of Science and Technology, Rolla (21 Jan 2010)

[65] T. Vojta and A. Yamilov: *Masters of light: the 2009 Physics Nobel Prize*, Physics Colloquium, Missouri University of Science and Technology, Rolla (19 Nov 2009)

[64] T. Vojta: *Infinite-randomness quantum critical points induced by dissipation*, Condensed Matter Seminar, California Institute of Technology, Pasadena (9 Nov 2009)

[63] T. Vojta: *Infinite-randomness quantum critical points induced by dissipation*, Theoretical Physics Colloquium, Tata Institute for Fundamental Research, Mumbai, India (20 Oct 2009)

[62] T. Vojta: *Quantum phase transitions*, Physics Colloquium, Institute for Mathematical Sciences, Chennai, India (13 Oct 2009)

[61] T. Vojta: *Phase transitions and disorder: from Harris criterion to infinite randomness and smearing*, Physics Colloquium, Indian Institute of Technology Madras, Chennai, India (07 Oct 2009)

[60] T. Vojta: *Phase transitions and disorder: from Harris criterion to infinite randomness and smearing*, Theoretical Physics Seminar, Physics Department, University of Bilbao, Spain (14 July 2009)

[59] T. Vojta: *Phase transitions and disorder: from Harris criterion to infinite randomness and smearing*, Seminar, Physics Department, Munich University of Technology, Germany (9 July 2009)

[58] T. Vojta: *Infinite-randomness quantum critical points induced by dissipation*, Seminar, Institute for Theoretical Condensed Matter Physics, University of Karlsruhe, Germany (25 May 2009)

[57] T. Vojta: *Phase transitions and disorder: from Harris criterion to infinite randomness and smearing*, Physics Colloquium, Dresden University of Technology, Dresden, Germany (19 May 2009)

[56] T. Vojta: *Phase transitions and disorder: from Harris criterion to infinite randomness and smearing*, Physics Colloquium, Max-Planck-Institute for Chemical Physics of Solids, Dresden, Germany (14 May 2009)

[55] T. Vojta: *How rare regions can dominate the thermodynamics of a macroscopic system*, Scientific Jam Session, Max-Planck-Institute for Physics of Complex System, Dresden, Germany (23 Januar 2009)

[54] T. Vojta: *The superconductor-metal transition in disordered nanowires*, Condensed Matter Seminar, Max-Planck-Institute for Physics of Complex System, Dresden, Germany (15 Januar 2009)

[53] T. Vojta: *Phase transitions and disorder: from Harris criterion to infinite randomness and smearing*, Physics Colloquium, Louisiana State University, Baton Rouge (4 Dec 2008)

[52] T. Vojta: *Broken symmetry: the 2008 Physics Nobel Prize*, Physics Colloquium, Missouri University of Science and Technology, Rolla (20 Nov 2008)

[51] T. Vojta: *Quantum phase transitions with disorder and dissipation*, Complex Quantum Systems Seminar, University of Texas, Austin (16 October 2008)

[50] T. Vojta: *Quantum phase transitions and disorder: From Harris criterion to infinite randomness and smearing*, Seminar of the Laboratory for Atomic and Solid State Physics, Cornell University (3 Oct 2008)

[49] T. Vojta: *Phase transitions and disorder: From Harris criterion to infinite randomness and smearing*, Physics Colloquium, Kent State University (18 Sep 2008)

[48] T. Vojta: *Phase transitions and disorder: Harris criterion, Griffiths singularities, and smearing*, Solid State Theory Seminar, University of Regensburg (12 June 2008)

[47] T. Vojta: *Quantum phase transitions on percolating lattices*, Seminar on Theory of disordered systems, Chemnitz University of Technology, Germany (11 June 2008)

[46] T. Vojta: *Quantum phase transitions and disorder: Infinite randomness, Griffiths singularities, and smearing*, Condensed Matter Seminar, University of Waterloo (8 April 2008)

[45] T. Vojta: *Quantum phase transitions and disorder: Infinite randomness, Griffiths singularities, and smearing*, Condensed Matter Seminar, University of Toronto (7 April 2008)

[44] T. Vojta: *Phase transitions and disorder: Harris criterion, Griffiths singularities, and smearing*, Condensed Matter Seminar, Duke University (24 Jan 2008)

[43] T. Vojta and J. Medvedeva: *The 2007 Physics Nobel Prize*, Physics Colloquium, University of Missouri–Rolla, Rolla (18 Oct 2007)

[42] T. Vojta: *Quantum phase transitions on percolating lattices*, Theory Colloquium, Institute for Theoretical Physics, University of Cologne (1 June 2007)

[41] T. Vojta: *Phase transitions and disorder - How rare events can dominate a macroscopic system*, Physics Colloquium, University of Missouri-Rolla (21 Sep 2006)

[40] T. Vojta: *Phase transitions and disorder - How rare events can dominate a macroscopic system*, Physics Colloquium, University of Missouri-Columbia (18 Sep 2006)

[39] T. Vojta: *Quantum phase transitions and disorder: Infinite randomness, Griffiths singularities, and smearing*, Seminar, Institute for Theoretical Condensed Matter Physics, University of Karlsruhe (12 June 2006)

[38] T. Vojta: *Quantum phase transitions and disorder: Infinite randomness, Griffiths singularities, and smearing*, Strong Correlations Seminar, Max-Planck-Institute for Physics of Complex Systems, Dresden (8 June 2006)

[37] T. Vojta: *Quantum phase transitions*, Condensed Matter Seminar, Washington University, St. Louis (6 Mar 2006)

[36] T. Vojta: *Quantum phase transitions and disorder: Infinite randomness, Griffiths singularities, and smearing*, Condensed Matter Seminar, Department of Physics, University of Florida (7 Nov 2005)

[35] T. Vojta: *Quantum phase transitions and disorder: Infinite randomness, Griffiths singularities, and smearing*, Condensed Matter Seminar, Department of Physics, Syracuse University (21 Oct 2005)

[34] T. Vojta: *Quantum phase transitions*, Physics Colloquium, Department of Physics, Syracuse University (20 Oct 2005)

[33] T. Vojta: *Quantum phase transitions and disorder: Infinite randomness, Griffiths singularities, and smearing*, Condensed Matter Seminar, Department of Physics, University of Southern California (25 Feb 2005)

[32] T. Vojta: *Quantum phase transitions and disorder: Infinite randomness, Griffiths singularities, and smearing*, Theory Seminar, Department of Physics, University of Illinois Urbana-Champaign (4 Oct 2004)

[31] T. Vojta: *Quantum phase transitions and disorder: Infinite randomness, Griffiths singularities, and smearing*, Physics Colloquium, Virgina Technological University (1 Oct 2004)

[30] T. Vojta: *Quantum phase transitions and disorder: Infinite randomness, Griffiths singularities, and smearing*, National High Magnetic Field Laboratory, Florida State University, Tallahassee (12 Mar 2004)

[29] T. Vojta: The 2003 Physics Nobel Prize, Physics Colloquium, University of Missouri–Rolla, Rolla (16 Oct 2003)

[28] T. Vojta: *Quantum Phase Transitions*, Chemical Engineering Seminar, University of Missouri–Rolla, Rolla (10 Oct 2003)

[27] T. Vojta: *Quantum phase transitions and disorder: Infinite randomness, Griffiths singularities, and smearing*, Condensed Matter Seminar, University of Illinois at Chicago, Chicago (18 Sep 2003)

[26] T. Vojta: *The ferromagnetic quantum phase transition*, Condensed Matter Seminar, Iowa State University, Ames (25 Apr 2002)

[25] T. Vojta: *Quantum phase transitions in electronic systems*, Condensed Matter Seminar, University of Missouri - Columbia (20 Feb 2002)

[24] T. Vojta: *The ferromagnetic quantum phase transition*, Condensed Matter Seminar, Cavendish Laboratory, University of Cambridge (31 Oct 2001)

[23] T. Vojta: *Quantum phase transitions in electronic systems*, Applied Mathematics Seminar, Open University, Milton Keynes (30 Oct 2001)

[22] T. Vojta: *Coexistence of superconductivity and ferromagnetism*, Condensed Matter Theory Seminar, University of Oxford (19 Oct 2001)

[21] T. Vojta: *Rare regions, local moments, and annealed disorder: A novel mechanism for metal-insulator transitions*, Physics Seminar, Department of Physics, University of Missouri Rolla (20 Jul 2001)

[20] T. Vojta: *Quantum phase transitions in electronic systems*, Physics Colloquium, Department of Physics, University of Missouri Rolla (1 Mar 2001)

[19] T. Vojta: *Quantum phase transitions in electronic systems*, Theorieseminar, Institut für Physik, Johannes-Gutenberg-Universität Mainz (13 Feb 2001)

[18] T. Vojta: *Quantum phase transitions*, Theorie-Seminar, Institut für Theoretische Physik, Universität Magdeburg (12 Dec 2000)

[17] T. Vojta: *The ferromagnetic quantum phase transition*, Seminar zur Theorie der kondensierten Materie, Universität Augsburg (14 Nov 2000)

[16] T. Vojta: *Quantum phase transitions in electronic systems*, Festkörpertheorie-Seminar, Universität Regensburg (11 Jul 2000)

[15] T. Vojta: *Quantum phase transitions in electronic systems*, Theoretisches Kolloquium, Universität Halle (5 Jul 2000)

[14] T. Vojta: *Quantum critical behavior of itinerant ferromagnets*, Theoretical Physics Forum, University of Oxford (20 Jun 2000)

[13] T. Vojta: *Do interactions enhance or reduce transport in a disordered electronic system: It depends!*, Festkörpertheorie-Seminar, Universität Erlangen (6 Jun 2000)

[12] T. Vojta: *Rare regions, local moments and annealed disorder at quantum phase transitions*, Festkörpertheorie-Seminar, Universität Karlsruhe (15 May 2000)

[11] T. Vojta: *Neural networks: Can we simulate the human brain?,* TU Chemnitz Alumni Society, Chemnitz (4 Apr 2000)

[10] T. Vojta: *Quantum phase transitions in electronic systems*, Condensed Matter Seminar, University of California, Riverside (1 Mar 1999)

[9] T. Vojta: *Quantum phase transitions in electronic systems*, Materials Sciences Seminar, University of Oregon, Eugene (26 Feb 1999)

[8] T. Vojta: *Quantum phase transitions in electronic systems*, Condensed Matter Seminar, University of Massachusetts, Amherst (18 Feb 1999)

[7] T. Vojta: *Computer simulations of disordered interacting electrons*, Materials Sciences Seminar, University of Oregon, Eugene (22 Sep 1998)

[6] T. Vojta: *Nonanalytic behavior of the spin susceptibility and the consequences*, Seminar über Festkörpertheorie, Universität Karlsruhe (14 Jul 1998)

[5] T. Vojta: *Do interactions enhance or reduce transport in an interacting disordered system?*, Science-Seminar, I. Institut für theoretische Physik, Universität Hamburg (28 Apr 1998)

[4] T. Vojta: *Damage spreading: a non-equilibrium critical phenomenon*, Theoretical Sciences Seminar, University of Oregon, Eugene (4 Nov 1997)

[3] T. Vojta: *The ferromagnetic quantum phase transition of itinerant electrons*, Seminar des Max-Planck-Instituts für Physik komplexer Systeme, Dresden (12 Jun 1997)

[2] T. Vojta: *Quantum phase transitions*, Theoretisch-physikalisches Kolloquium, TU Dresden (7 Nov 1996)

[1] T. Vojta: *Breakdown of Landau-Ginzburg-Wilson theory for certain quantum phase transitions*, Seminar Sonderforschungsbereiches 195: Lokalisierung von Elektronen in makroskopischen und mikroskopischen Systemen, Karlsruhe (11 Dec 1995)

Conference Contributions

[203] T. Vojta, X. Ye, and R. Narayanan, *Controlling the stripe order in a diluted frustrated magnet*, International Conference on Highly Frustrataed Magents HFM2024, Chennai (11 Jan 2024)

[202] T.Vojta, *Tutorial on disorder effects*, KITP program "A new spin on quantum magnets", Santa Barbara (4 Aug 2023)

[201] S. Janusonis, J.H. Haiman, R. Metzler and T. Vojta, *Toward a Predictive Model of Serotonergic Densities: A Supercomputing Simulation of Reflected Fractional Brownian Motion in a 3D-Mouse Brain Shape*, 32st Annual Computational Neuroscience Meeting CNS*2023, Leipzig (18 Jul 2023)

[200] S. Janusonis, R. Metzler, and T. Vojta, *The Stochastic Self-Organization of Serotonergic Densities*, NSF CRCNS PI Meeting, Tel Aviv (12 Jul 2023)

[199] S. Janusonis, T. Vojta, R. Metzler, J.H. Haiman, A. Rayle, W. Wang, *Self-Organization of the Brain Serotonergic Matrix: From Stochastic Axons to Regional Densities*, 2023 Missouri S&T, NextGen Precision Health, and Ozark Biomedical Initiative Symposium, Rolla (28 Apr 2023)

[198] S. Janusonis, K.C. Mays, M. Hingorani, R. Metzler and T. Vojta, *Experimental and Theoretical Insights into the Self-organization of the Brain Serotonergic Matrix*, 20th Meeting of the International Society for Serotonin Research (ISSR 2023), Cancun (23 April 2023)

[197] Vishnu Pulloor Kuttanikkad, G.R. Khairnar, T. Vojta and R. Narayanan, *Phase diagram and critical behaviour of disordered quantum clock model*, Virtual March Meeting (21 Mar 2023)

[196] R.D. Beattie-Hauser, G.R. Khairnar, J. House, S. Janusonis, R. Metzler and T. Vojta, *Branching fractional Brownian motion as a model of serotonergic neurons*, APS March Meeting, Las Vegas (10 Mar 2023)

[195] G.R. Khairnar, Vishnu Pulloor Kuttanikkad, R. Narayanan and T. Vojta, *Monte Carlo Simulations of the Disordered q-state Quantum Clock model*, APS March Meeting, Las Vegas (9 Mar 2023)

[194] W.J. Meese, T. Vojta and Rafael Fernandes, *The role of structural disorder on the electronic nematicity of iron-based superconductors*, APS March Meeting, Las Vegas (7 Mar 2023)

[193] L.B. Sowadski, S. Anderson, C.J. Lerch, J.E. Medvedeva, and T. Vojta, *Magnetic properties of diluted hexaferrites*, APS March Meeting, Las Vegas (6 Mar 2023)

[192] S. Janusonis, T. Vojta, R. Metzler, J.H. Heiman and W. Wang, *The Self-Organization of the Brain Serotonergic Matrix: From Stochastic AxonPaths to Regional Densities*, NSF CRCNS PI Meeting, Atlanta (27 Oct 2022)

[191] S. Janusonis, R. Metzler and T. Vojta, *Reflected Fractional Brownian Motion in 3D-Brain Shapes: Insights into the Distribution of Serotonergic Axons*, 31st Annual Computational Neuroscience Meeting CNS*2022, Melbourne (18 July 2022)

[190] W.J. Meese, T. Vojta and R.M. Fernandes, *Random strain effects on the coupled magnetic and nematic transitions of iron-based superconductors*, APS March Meeting, Chicago (18 Mar 2022)

[189] S. Anderson and T. Vojta, *Effects of nonuniform vacancy distribution on diluted hexaferrites*, APS March Meeting, Chicago (17 Mar 2022)

[188] R. Beattie-Hauser and T. Vojta, *Scalar susceptibility of a diluted classical XY model*, APS March Meeting, Chicago (17 Mar 2022)

[187] S. Kaur, H.K. Kundu, S. Kumar, A. Gogra, R. Narayanan, T. Vojta and A. Bid, *Observation of Quantum Griffithś singularity and anomalous metal in $LaScO_3/SrTiO_3$*, APS March Meeting, Chicago (16 Mar 2022)

[186] X. Ye, R. Narayanan and T. Vojta, *Stripe order, impurities, and symmetry breaking in a diluted frustrated magnet*, APS March Meeting, Chicago (16 Mar 2022)

[185] G. Khairnar, P.K. Vishnu, A. Jain, P.M. Patil, R. Narayanan and T. Vojta, *Phases and phase transitions of a disordered quantum clock model*, APS March Meeting, Chicago (14 Mar 2022)

[184] M. Puschmann, J.C. Getelina, J.A. Hoyos and T. Vojta, *Inhomogeneous mean-field approach to collective excitations near the superfluid-Mott glass transition*, 84. Annual Meeting of DPG (28 Sep 2021, virtual meeting because of Covid-19)

[183] S. Janusonis, K.C. Mays, R. Metzler and T. Vojta, *Stochastic Axons in the Mammalian Brain*, 30th Annual Computational Neuroscience Meeting (5 July 2021, virtual meeting)

[182] G. Khairnar, C.J. Lerch and T. Vojta, *Phase Boundary of Diluted Hexaferrites Near the Magnetic Percolation Transition*, APS March Meeting (19 Mar 2021, virtual meeting because of Covid-19)

[181] S. Halladay and T. Vojta, *Fractional Brownian Motion in Confined Geometries*, APS March Meeting (19 Mar 2021, virtual meeting because of Covid-19)

[180] X. Ye and T. Vojta, *Controlling the stripe order in a diluted frustrated magnet*, APS March Meeting (18 Mar 2021, virtual meeting because of Covid-19)

[179] R. Beattie-Hauser and T. Vojta, *Higgs mode in a diluted classical magnet*, APS March Meeting (18 Mar 2021, virtual meeting because of Covid-19)

[178] N. Page and T. Vojta, *Modeling random strain by means of a random-field Ising-O(3) model*, APS March Meeting (18 Mar 2021, virtual meeting because of Covid-19)

[177] P. Reiss, D.A. Graf, A.-A. Haghighirad, T. Vojta and A. Coldea, *Unconventional Dynamical Scaling close to a Nematic Quantum Critical Point*, APS March Meeting (17 Mar 2021, virtual meeting because of Covid-19)

[176] Z. Miller and T. Vojta, *Tempered Fractional Brownian Motion with Reflecting Walls*, APS March Meeting (17 Mar 2021, virtual meeting because of Covid-19)

[175] S. Janusonis, R. Metzler and T. Vojta, *A Predictive Model of Serotonergic Fiber Densities Based on Reflected Fractional Brownian Motion*, 29th Annual Computational Neuroscience Meeting (19 July 2020, virtual meeting)

[174] G. Khairnar, C.J. Lerch and T. Vojta, *Phase Boundary Near a Magnetic Percolation Transition*, APS March Meeting, Denver (6 Mar 2020, virtual meeting because of Covid-19)

[173] X. Ye and T. Vojta, *One-dimensional contact process with both temporal and spatial disorder*, APS March Meeting, Denver (4 Mar 2020, virtual meeting because of Covid-19)

[172] N. Page and T. Vojta, *Monte-Carlo simulations of a random-field Ising-O(3) model*, APS March Meeting, Denver (3 Mar 2020, virtual meeting because of Covid-19)

[171] H. Barghathi and T. Vojta, *Criticality on topologically disordered systems and the Harris criterion*, APS March Meeting, Denver (3 Mar 2020, virtual meeting because of Covid-19)

[170] A. Chakraborty, J. Meese, R.M. Fernandes and T. Vojta, *Wang-Landau simulations of the coupled magnetic and nematic transitions in disordered iron-based superconductors*, APS March Meeting, Denver (2 Mar 2020, virtual meeting because of Covid-19)

[169] A. Warhover and T. Vojta, *Anomalous Diffusion with an Absorbing Wall*, APS March Meeting, Denver (2 Mar 2020, virtual meeting because of Covid-19)

[168] M. Puschmann, J.A. Hoyos and T. Vojta, *An inhomogeneous mean-field approach for collective modes in vicinity of a superfluid-Mott glass transition*, APS March Meeting, Denver (2 Mar 2020, virtual meeting because of Covid-19)

[167] M. Puschmann, P. Cain, M. Schreiber and T. Vojta, *Boundary critical behavior of the integer quantum Hall transition*, APS March Meeting, Boston (8 Mar 2019)

[166] X. Ye, J. Cook, E. Huemiller, A.D. Finck, P. Ghaemi Mohammadi, T. Vojta, S. Saha, J. Paglione and C. Kurter, *Unconventional Josephson Effect in a topological Kondo insulator*, APS March Meeting, Boston (7 Mar 2019)

[165] A. Chakraborty and T. Vojta, *Phases and phase transitions of an anisotropic Ising-O(3) model*, APS March Meeting, Boston (7 Mar 2019)

[164] C. Lerch and T. Vojta, *Magnetic percolation transition in diluted hexaferrites*, APS March Meeting, Boston (7 Mar 2019)

[163] J. Crewse and T. Vojta, *Amplitude (Higgs) mode at the superfluid-Mott glass transition*, APS March Meeting, Boston (7 Mar 2019)

[162] N. Lewellyn, I.M. Percher, J.J. Nelson, J. Garcia-Barriocanal, I. Volotsenko, A. Frydman, T. Vojta and A.M. Goldman, *Infinite-randomness fixed point of the quantum superconductor-metal transitions in amorphous thin films*, APS March Meeting, Boston (6 Mar 2019)

[161] M. Small, A.H.O. Wada and T. Vojta, *Influence of correlated temporal disorder on an extinction phase transition*, APS March Meeting, Boston (6 Mar 2019)

[160] A. Warhover and T. Vojta, *Fractional Brownian Motion with an absorbing wall*, APS March Meeting, Boston (6 Mar 2019)

[159] S. Skinner and T. Vojta, *Fractional Langevin equation with reflecting barrier*, APS March Meeting, Boston (6 Mar 2019)

[158] C. Lerch and T. Vojta, *Monte Carlo simulations of the magnetic behavior of diluted hexaferrites*, APS March Meeting, Los Angeles (8 Mar 2018)

[157] T. Vojta, J. Crewse and C. Lerch, *Quantum critical behavior of a three-dimensional superfluid-Mott glass transition*, APS March Meeting, Los Angeles (8 Mar 2018)

[156] M. Small, A.H.O. Wada and T. Vojta, *Extinction phase transitions in correlated external noise*, APS March Meeting, Los Angeles (7 Mar 2018)

[155] A.K. Ibrahim and T. Vojta, *Monte Carlo Simulations of a Disordered Superconductor-Metal Quantum Phase Transition*, APS March Meeting, Los Angeles (6 Mar 2018)

[154] M. Puschmann, P. Cain, M. Schreiber and T. Vojta, *Integer quantum Hall transitions on tight-binding lattices*, APS MarchMeeting, Los Angeles (5 Mar 2018)

[153] M. Puschmann, P. Cain, M. Schreiber and T. Vojta, *Integer quantum Hall transitions on random Voronoi-Delaunay lattices*, International Conference on Geometry and Physics of Spatial Random Systems, Bad Herrenalb (11 Sep 2017); best poster award

[152] T. Vojta, J. Crewse, M. Puschmann, D. Arovas: *Fate of the Amplitude (Higgs) Mode at a Disordered Quantum Phase Transition*, KITP Conference on Order, Fluctuations, and Strong Correlations: New Platforms and Developments, Santa Barbara (2 Aug 2017)

[151] S. Tackkett, H. Barghathi and T. Vojta, *Nonequilibrium phase transitions in a model of ecological and evolutionary dynamics*, APS March Meeting, New Orleans (15 Mar 2017)

[150] A. Gebretsadik, R. Wang, S. Ubaid-Kassis, A. Schroeder, T. Vojta, P.J. Baker, F.L. Pratt, S.J. Blundell, T. Lancaster, I. Franke, J.S. Möller, *Revealing quantum Griffiths singularities inside the ferromagnetic phase*, APS March Meeting, New Orleans (13 Mar 2017)

[149] A.K. Ibrahim and T. Vojta, *Rounding the First-Order Quantum Phase Transitions by Disorder in the Quantum Ashkin-Teller Model*, APS March Meeting, New Orleans (13 Mar 2017)

[148] T. Vojta, J. Crewse and M. Puschmann, *Quantum critical behavior of the superfluid-Mott glass transition*, APS March Meeting, New Orleans (13 Mar 2017)

[147] J. Crewse, T. Vojta and D. Arovas, *Amplitude (Higgs) Mode at a Disordered Quantum Phase Transition*, APS March Meeting, New Orleans (13 Mar 2017)

[146] T. Vojta and J.A. Hoyos, *Infinite-noise criticality: Nonequilibrium phase transitions in fluctuating environments*, APS March Meeting, Baltimore (17 Mar 2016)

[145] H. Barghathi and T. Vojta, *Random field disorder at an absorbing state transition in one and two dimensions*, APS March Meeting, Baltimore (17 Mar 2016)

[144] A.K. Ibrahim and T. Vojta, *Rounding of the first-order transition in the four-color Ashkin-Teller model*, APS March Meeting, Baltimore (16 Mar 2016)

[143] M. Puschmann, P. Cain, M. Schreiber, and T. Vojta, *Behavior of electronic states on random Voronoi-Delaunay lattices in the orthogonal and the unitary universality classes*, Spring Meeting of the German Physical Society, Regensburg (8 Mar 2016)

[142] M. Puschmann, P. Cain, M. Schreiber, and T. Vojta, *Multifractal analysis of states in Voronoi-Delaunay lattices*, International Workshop on

Quantum Correlated Matter and Chaos, Dresden (22 June 2015)

[141] M. Puschmann, P. Cain, M. Schreiber, and T. Vojta, *Multifractal analysis of states in Voronoi-Delaunay lattices*, Spring Meeting of the German Physical Society, Berlin (15 Mar 2015)

[140] T. Vojta, H. Barghathi, F. Hrahsheh, J.A. Hoyos and R. Narayanan, *Strong-randomness phenomena in quantum Ashkin-Teller models* APS March Meeting, San Antonio (5 Mar 2015)

[139] R. Wang, S. Ubaid-Kassis, A. Schroeder, P.J. Baker, F.L. Pratt, S.J. Blundell, T. Lancaster, I. Franke, J.S.Möller and T. Vojta, *Evidence of magnetic clusters in the disordered ferromagnet Ni-V close to the quantum critical concentration*, APS March Meeting, San Antonio (5 Mar 2015)

[138] Q. Zhu, X. Wan, R. Narayanan, J.A. Hoyos and T. Vojta, *Critical behavior of the disordered three-color Ashkin-Teller Model – A Monte Carlo study*, APS March Meeting, San Antonio (4 Mar 2015)

[137] Y. Qiu, N.K. Sanders, J. Dai, J.E. Medvedeva, W. Wu, P. Ghaemi, T. Vojta and Y.S. Hor, *Symbiosis of ferromagnetism and superconductivity in topological insulators*, APS March Meeting, San Antonio (4 Mar 2015)

[136] A.K. Ibrahim, H. Barghathi and T. Vojta, *Enhanced rare-region effects in the contact process with long-range correlated disorder*, APS March Meeting, San Antonio (4 Mar 2015)

[135] H. Barghathi and T. Vojta, *Phase transitions on random lattices: How random is topological disorder?*, APS March Meeting, San Antonio (3 Mar 2015)

[134] H. Barghathi, D. Nozadze and T. Vojta, *Contact process on generalized Fibonacci chains: infinite-modulation criticality and double-log periodic oscillations*, APS March Meeting, Denver (4 Mar 2014)

[133] S. Kraus and T. Vojta, *High-precision study of the two-dimensional contact process*, APS March Meeting, Denver (5 Mar 2014)

[132] T. Vojta, *Criticality and quenched disorder: Rare regions vs. Harris criterion*, APS March Meeting, Denver (4 Mar 2014)

[131] F. Hrahsheh and T. Vojta, *Disordered bosons in one dimension: from weak to strong randomness criticality*, APS March Meeting, Baltimore (21 Mar 2013)

[130] D. Nozadze and T. Vojta, *Quantum Griffiths singularities in ferromagnetic metals*, APS March Meeting, Baltimore (20 Mar 2013)

[129] M. Al-Ali and T. Vojta, *Percolation transition in quantum Ising and rotor models with sub-Ohmic dissipation*, APS March Meeting, Baltimore (20 Mar 2013)

[128] H. Barghathi and T. Vojta, *Random fields at a nonequilibrium phase transition*, APS March Meeting, Baltimore (19 Mar 2013)

[127] R. Wang, S. Ubaid-Kassis, A. Schroeder, P.J. Baker, F.L. Pratt, S.J. Blundell, T. Lancaster, I. Franke, J.S. Moeller and T. Vojta, *Magnetic cluster glass formation in Ni-V close to the disordered ferromagnetic quantum phase transition*, APS March Meeting, Baltimore (19 Mar 2013)

[126] T. Vojta, *Monte-Carlo simulations of the clean and disordered contact process in three space dimensions*, Baltimore (19 Mar 2013)

[125] D. Nozadze, F. Hrahsheh, C. Svoboda and T. Vojta, *Composition-tuned smeared phase transitions*, 2012 Summer School on Quantum Monte Carlo: Theory and Applications, Urbana (23 Jul 2012)

[124] F. Hrahsheh and T. Vojta, *Novel critical point in the random quantum Ashkin-Teller model*, APS March Meeting, Boston (02 Mar 2012)

[123] D. Nozadze, F. Hrahsheh, C. Svoboda and T. Vojta, *Composition-tuned smeared phase transitions* APS March Meeting, Boston (02 Mar 2012)

[122] M. Al-Ali and T. Vojta, *Quantum phase transition of the sub-Ohmic rotor model*, APS March Meeting, Boston (29 Feb 2012)

[121] H. Barghathi and T. Vojta, *Random fields at an absorbing state transition*, APS March Meeting, Boston (27 Feb 2012)

[120] T. Vojta and D. Nozadze, *Transport properties in magnetic quantum Griffiths phases*, 2011 International Conference on Strongly Correlated Electron Systems, Cambridge (2 Sep 2011)

[119] T. Vojta, P. Goldbart, P. Mohan, R. Narayanan and J. Toner, *Anomalously Elastic, Intermediate Phase in Randomly Layered Planar Magnets, Superfluids, and Superconductors*, APS March Meeting, Dallas (24 Mar 2011)

[118] J.A. Hoyos, Nicolas Laflorencie, André Vieira and T. Vojta: *Protecting clean critical points by local disorder correlations*, APS March Meeting, Dallas (24 Mar 2011)

[117] D. Nozadze and T. Vojta: *Transport properties in magnetic Griffiths phases*, APS March Meeting, Dallas (22 Mar 2011)

[116] F. Hrahsheh and T. Vojta: *Power-law Griffiths singularities in a randomly layered Heisenberg magnet*, APS March Meeting, Dallas (22 Mar 2011)

[115] J.A. Hoyos, A. Del Maestro, B. Rosenow, and T. Vojta: *Dynamical conductivity at the dirty superconductor-metal quantum phase transition*, APS March Meeting, Dallas (22 Mar 2011)

[114] A. Schroeder, S. Ubaid-Kassis, B. Wyatt and T. Vojta: *Non-Fermi liquid properties of Ni-V close to the ferromagnetic quantum critical point*, APS March Meeting, Dallas (21 Mar 2011)

[113] P. Mohan, R. Narayanan, F. Hrahsheh, H. Barghathi and T. Vojta: *Infinite randomness and quantum Griffiths effects in a classical system: the randomly layered Heisenberg magnet*, 2010 International Conference on Strongly Correlated Electron Systems, Santa Fe (30 Jun 2010)

[112] J.S. Kim, E.G. Kim, T.D. Blasius, T. Vojta and G.R. Stewart: *Surprising two-dimensionality: surface superconductivity in undoped iron arsenides*, 2010 International Conference on Strongly Correlated Electron Systems, Santa Fe (28 Jun 2010)

[111] A. Schroeder, S. Ubaid-Kassis, and T. Vojta: *Signatures of a quantum Griffiths phase close to a ferromagnetic quantum critical point*, 2010 International Conference on Strongly Correlated Electron Systems, Santa Fe (29 Jun 2010)

[110] J.A. Hoyos, A.P. Vieira, N. Laflorencie and T. Vojta: *Random transvers-field Ising chain: effects of correlated disorder*, International Workshop on Quantum Information Concepts for Condensed Matter Problems, Dresden (17 Jun 2010)

[109] T.D. Blasius, J.S. Kim, E.G. Kim, G.R. Stewart and T. Vojta: *Surface superconductivity in the partial superconductor $BaFe_2As_2$*, APS March Meeting, Portland (17 Mar 2010)

[108] P. Mohan, R. Narayanan and T. Vojta: *Infinite randomness and "quantum" Griffiths effects in a classical system: the randomly layered Heisenberg magnet*, APS March Meeting, Portland (15 Mar 2010)

[107] T. Vojta: *Thermal expansion and Grüneisen parameter in quantum Griffiths phases*, APS March Meeting, Portland (15 Mar 2010)

[106] M.Y. Lee and T. Vojta: *Unusual phase diagram of the generalized contact process with two absorbing states*, APS March Meeting, Portland (15 Mar 2010)

[105] T. Vojta: *Thermal expansion and Grüneisen ratio in quantum Griffiths phases*, Workshop on Correlated Behavior and Quantum Criticality in Heavy Fermion and Related System, Aspen Center for Physics (26 Aug 2009)

[104] C. Kotabage, J.A. Hoyos and T. Vojta: *Infinite-randomness quantum critical points induced by dissipation*, APS March Meeting, Pittsburgh (18 Mar 2009)

[103] M.Y. Lee and T. Vojta: *Absorbing-state transitions on percolating lattices*, APS March Meeting, Pittsburgh (16 Mar 2009)

[102] A. Farquhar, J. Mast, and T. Vojta: *Infinite-randomness critical point in the two-dimensional disordered contact process*, APS March Meeting, Pittsburgh (16 Mar 2009)

[101] T. Vojta: *Infinite-randomness quantum critical points induced by dissipation*, Correlation Days 2009, Dresden, Germany (04 Mar 2009)

[100] T. Vojta, A. Farquhar, and J. Mast: *Infinite-randomness critical point in the two-dimensional disordered contact process*, International Seminar on Many-body Systems Far from Equilibrium, Dresden, Germany (17 Feb 2009)

[99] J. Lamsal, J. Gaddy, M. Petrovic, W. Montfrooij and T. Vojta, *The search for quantum critical scaling in a classical system*, 53rd Conference on Magnetism and Magnetic Materials, Austin (14 Nov 2008)

[98] J. Gaddy, J. Lamsal, M. Petrovic, W. Montfrooij, A. Schmets and T. Vojta: *Magnetic ordering in the spinel compound $LiMn_{2-x}Li_xO_4$*, 53rd Conference on Magnetism and Magnetic Materials, Austin (12 Nov 2008)

[97] J.A. Hoyos and T. Vojta: *Theory of smeared quantum phase transitions*, International Workshop on Unconventional Phases and Phase Transitions in Strongly Correlated Electron Systems, Dresden, Germany (6 Jun 2008)

[96] T. Vojta, J.A. Hoyos, and C. Kotabage: *Effects of dissipation on a quantum critical point with disorder*, APS March Meeting, New Orleans (13 Mar 2008)

[95] J.A. Hoyos and T. Vojta: *Theory of smeared quantum phase transitions*, APS March Meeting, New Orleans (13 Mar 2008)

[94] A. Farquhar, J. Mast and T. Vojta: *Disordered contact process in two and three dimensions: rare regions, Griffiths effects, and infinite randomness*, APS March Meeting, New Orleans (10 Mar 2008)

[93] T. Vojta and J.A. Hoyos: *Ordered droplets in quantum magnets with long-range interactions*, International Conference on Strongly Correlated Electron Systems, Houston (17 May 2007)

[92] J.A. Hoyos and T. Vojta: *Dissipation effects in percolating quantum Ising magnets*, International Conference on Strongly Correlated Electron Systems, Houston (17 May 2007)

[91] S. Huether, R. Kinney and T. Vojta: *Slow dynamics at the smeared phase transition of randomly layered magnets*, 43rd Annual Meeting of the Missouri Academy of Sciences, St. Joseph (20 Apr 2007)

[90] T. Vojta and J.A. Hoyos: *Local defect in a magnet with long-range interactions*, APS March Meeting, Denver (5 Mar 2007)

[89] J.A. Hoyos and T. Vojta: *Percolation transition and dissipation in quantum Ising magnets*, APS March Meeting, Denver (5 Mar 2007)

[88] S. Huether, R. Kinney and T. Vojta: *Slow dynamics at the smeared phase transition of randomly layered magnets*, APS March Meeting, Denver (7 Mar 2007)

[87] T. Vojta: *Magnetic quantum phase transitions of Fermi liquids*, APCTP Winter Workshop on Emergent phenomena near quantum critical points, Pohang, Korea, (9 Feb 2007)

[86] T. Vojta, *An interactive approach to teaching computational physics*, Cottrell Scholar Conference, Research Corporation, Tucson (2006)

[85] M.Y. Lee and T. Vojta, *Nonequilibrium phase transition on a randomly diluted lattice*, APS March Meeting, Baltimore (2006)

[84] T. Vojta and M. Dickison, *Critical behavior and Griffiths effects in the disordered contact process*, APS March Meeting, Baltimore (2006)

[83] T. Vojta and J. Schmalian, *Percolation quantum phase transition in diluted magnets*, APS March Meeting, Baltimore (2006)

[82] T. Vojta, *Rare regions, Griffiths effects, and smeared phase transitions*, Workshop on Complex Behavior in Correlated Electron Systems, Lorentz Center, Leiden (2005)

[81] T. Vojta, *Rare regions, quantum Griffiths singularities, and inhomogeneos order*, Complexity in strongly correlated electron systems mini-program, Kavli Institute for Theoretical Physics, UCSB, Santa Barbara (2005)

[80] T. Vojta, *Rare regions and Griffiths effects near quantum phase transitions*, Workshop on Dynamics, Structure and Correlations in Glasses, Aspen Center for Physics, Aspen (2005)

[79] T. Vojta and J. Schmalian, *Quantum Griffiths effects in itinerant Heisenberg magnets*, APS March Meeting, Los Angeles (2005)

[78] M. Dickison and T. Vojta, *Rare region effects at a non-equilibrium phase transition*, APS March Meeting, Los Angeles (2005)

[77] T. Vojta, *Disorder Effects in Quantum Critical Systems*, Quantum Phase Transition Program, Kavli Institute for Theoretical Physics, UCSB, Santa Barbara (2005)

[76] R. Sknepnek and T. Vojta, *Smeared phase transition in a 3D Ising model with planar defects: Monte-Carlo simulations*, 20th General Conference of the Condensed Matter Division of the European Physical Society, Prague (2004)

[75] R. Sknepnek, T. Vojta and M. Vojta, *Exotic vs. conventional scaling in a disordered bilayer quantum Heisenberg antiferromagnet*, 20th General Conference of the Condensed Matter Division of the European Physical Society, Prague (2004)

[74] R. Sknepnek and T. Vojta, *Smeared phase transition in a 3D Ising model with planar defects: Monte-Carlo simulations*, APS March Meeting, Montreal (2004)

[73] T. Vojta, R. Sknepnek and M. Vojta, *Universality of the phase transition in a diluted bilayer quantum antiferromagnet*, APS March Meeting, Montreal (2004)

[72] T. Vojta, *Disorder-induced rounding of certain quantum phase transitions*, International Seminar on Quantum Phase Transitions, Dresden (2003)

[71] R. Sknepnek, T. Vojta and R. Narayanan: *Order parameter symmetry and mode coupling effects at dirty superconducting quantum phase transitions*, APS March Meeting, Austin (2003)

[70] T. Vojta: *Disorder-induced rounding of certain quantum phase transitions*, APS March Meeting, Austin (2003)

[69] T. Vojta, R. Sknepnek and R. Narayanan: *Unconventional scaling at dirty superconducting quantum phase transitions*, Heraeus-Seminar on Quantum Magnetism: Microscopic Techniques for Novel States of Matter, Bad Honnef, Germany (2002)

[68] M. Schreiber, T. Vojta and A. Möbius: *The Hartree-Fock based diagonalization - an efficient algorithm for the exact treatment of many interacting disordered electrons in solid state physics*, 3rd IMACS Seminar Monte Carlo Methods MCM2001, Salzburg, Österreich (2001)

[67] T. Vojta, D. Belitz and T.R. Kirkpatrick: *Rare regions, local moments, and annealed disorder: A novel mechanism for metal-insulator transitions*, 9th International Conference on Hopping and Related Phenomena, Shefayim (2001)

[66] R. A. Römer, M. Schreiber, and T. Vojta: *Disorder and Two-Particle Interaction in Low-Dimensional Quantum Systems*, 21st International Conference on Statistical Physics (Statphys21), Cancun (2001)

[65] M. Schreiber, T. Vojta and A. Möbius: *Application of the Hartree-Fock based diagonalization algorithm to the quantum Coulomb glass and to quantum dots*, Dynamics Days Europe, Dresden (2001)

[64] R. Sknepnek and T. Vojta: *The quantum phase transition of itinerant helimagnets*, 65. Frühjahrstagung der DPG, Hamburg (2001)

[63] M. Schreiber, J. Siewert and T. Vojta: *Interacting electrons in parabolic quantum dots and quantum nanostructures*, 65. Frühjahrstagung der DPG, Hamburg (2001)

[62] T. Vojta and R. Narayanan: *Rare regions in a disordered itinerant quantum antiferromagnet with cubic anisotropy*, 65. Frühjahrstagung der DPG, Hamburg (2001)

[61] S. Bekhechi, T. Vojta and M. Schreiber: *Monte-Carlo simulations of the quantum phase transition in disordered itinerant antiferromagnets*, 65. Frühjahrstagung der DPG, Hamburg (2001)

[60] M. Schreiber, J. Siewert and T. Vojta: *Interacting electrons in parabolic quantum dots*, APS March Meeting, Seattle (2001)

[59] J. Siewert, M. Schreiber and T. Vojta: *Interacting electrons in parabolic quantum dots*, 25th International Conference on the Physics of Semiconductors, Osaka (2000)

[58] M. Schreiber, J. Siewert and T. Vojta: *Interacting electrons in parabolic quantum dots: energy levels, addition energies, and charge distributions*, International Conference on Excitonic Processes in Condensed Matter, Osaka (2000)

[57] F. Epperlein, S. Kilina, M. Schreiber, S. Uldanov and T. Vojta: *Fock space localization and conductance of disordered interacting electrons*, Symposium on Wave Propagation and Electronic Structure in Disordered Systems, Heraklion (2000)

[56] T. Vojta, J. Siewert and M. Schreiber: *Spectrum and charge distribution of interacting electrons in a parabolic confinement*, 64. Frühjahrstagung der DPG, Regensburg (2000)

[55] F. Epperlein, S. Kilina, M. Schreiber, S. Uldanov and T. Vojta: *Conductance and Fock space localization of disordered interacting electrons*, 64. Frühjahrstagung der DPG, Regensburg (2000)

[54] T. Vojta, D. Belitz and T.R. Kirkpatrick: *Rare regions, local moments, and annealed disorder: A novel mechanism for metal-insulator transitions*, 64. Frühjahrstagung der DPG, Regensburg (2000)

[53] J. Siewert, T. Vojta and M. Schreiber: *Spectrum and charge distribution of a parabolic quantum dot: dependence on the interaction range*, 18th General Conference of the Condensed Matter Division of the EPS, Montreux (2000)

[52] T. Vojta, D. Belitz, T.R. Kirkpatrick and R. Narayanan: *Critical behavior of disordered quantum magnets: The relevance of rare regions*, 18th General Conference of the Condensed Matter Division of the EPS, Montreux (2000)

[51] T. Vojta, J. Siewert and M. Schreiber: *Spectrum and charge distribution of interacting electrons in a parabolic confinement*, 11th International Winterschool on New Developments in Solid State Physics, Mauterndorf (2000)

[50] T. Vojta, D. Belitz, T.R. Kirkpatrick and R. Narayanan: *First-order transitions and multicritical behavior close to the ferromagnetic quantum critical point*, 227th WE-Heraeus Seminar on Microscopic Theories of Phase Transitions: Quantum Versus Thermal Fluctuations, Bad Honnef (1999)

[49] T. Vojta, D. Belitz and T.R. Kirkpatrick: *Rare regions, local moments, and annealed disorder: A novel mechanism for metal-insulator transitions*, 225th WE-Heraeus Seminar on Electron transport in reduced dimensions, Bad Honnef (1999)

[48] T. Vojta, F. Epperlein, S. Kilina and M. Schreiber: *From localization to delocalization in the quantum Coulomb glass*, 8th International Conference on Hopping and Related Phenomena, Murcia (1999)

[47] R. Narayanan, T. Vojta, D. Belitz and T.R. Kirkpatrick: *Rare regions and annealed disorder in quantum phase transitions*, Int. Conference on Localization, Hamburg (1999)

[46] F. Epperlein, T. Vojta, and Michael Schreiber: *Crossover from interaction induced localization to delocalization in disordered electron systems*, Int. Conference on Localization, Hamburg (1999)

[45] P. Lazić, M. Schreiber, E. Straver and T. Vojta: *Damage spreading and the existance of many pure states in the random field Ising model*, 63. Frühjahrstagung der DPG, Münster (1999)

[44] T. Vojta, D. Belitz and R. Narayanan: *Influence of locally ordered islands on a quantum phase transition*, 63. Frühjahrstagung der DPG, Münster (1999)

[43] F. Epperlein, M. Schreiber and T. Vojta: *Do interactions increase or reduce the conductance of disordered electrons? It depends!*, 63. Frühjahrstagung der DPG, Münster (1999)

[42] S. Kilina, T. Vojta and M. Schreiber: *Transport properties of disordered interacting spinful electrons*, 63. Frühjahrstagung der DPG, Münster (1999)

[41] T. Vojta and F. Epperlein: *Electronic transport in disordered interacting systems*, 210th WE-Heraeus Seminar on Percolation, Interation, Localization, and Simulations (PILS98), Berlin (1998)

[40] T. Vojta and M. Schreiber: *Damage spreading in random field systems*, Conference on Computational Physics, Granada (1998), extended abstract in Comp. Phys. Commun. 121–122 (1999), 750

[39] F. Epperlein, M. Schreiber, T. Vojta and A. Möbius: *Coulomb interactions and localization in disordered electron systems*, 24th International Conference on the Physics of Semiconductors, Jerusalem (1998)

[38] T. Vojta, D. Belitz and T.R. Kirkpatrick: *The ferromagnetic quantum phase transition of itinerant electrons*, 20th International Conference on Statistical Physics (Statphys20), Paris (1998)

[37] T. Vojta, R.A. Römer and M. Schreiber: *Two interacting particles in a random potential: The random matrix model revisited*, 20th International Conference on Statistical Physics (Statphys20), Paris (1998)

[36] F. Epperlein, M. Schreiber and T. Vojta: *Computer simulation of disordered interacting electrons*, 20th International Conference on Statistical Physics (Statphys20), Paris (1998)

[35] M. Schreiber, F. Epperlein and T. Vojta: *Do interactions enhance or reduce transport in disordered electron systems?*, International Conference on Percolation and Disordered Systems (Percolation98), Rauischenholzstein (1998)

[34] F. Epperlein, M. Schreiber and T. Vojta: *Metall-Isolator-Übergang von ungeordneten wechselwirkenden Elektronen: numerische Simulationen*, 62. Frühjahrstagung der DPG, Regensburg (1998)

[33] S. Kilina, T. Vojta and M. Schreiber: *Quantum Coulomb glass: the role of spin*, 62. Frühjahrstagung der DPG, Regensburg (1998)

[32] R.A. Römer, M. Schreiber and T. Vojta: *Zwei wechselwirkende Teilchen in einem eindimensionalen Zufallspotential: Delokalisierung durch Wechselwirkung?*, 62. Frühjahrstagung der DPG, Regensburg (1998)

[31] F. Epperlein, M. Schreiber and T. Vojta: *Interaction versus disorder: localization in disordered correlated electron systems*, 10th International Winterschool on New Developments in Solid State Physics, Mauterndorf (1998)

[30] R.A. Römer, M. Schreiber and T. Vojta: *Two interacting particles in a random potential: Delocalization due to interaction?*, 10th International Winterschool on New Developments in Solid State Physics, Mauterndorf (1998)

[29] F. Epperlein, M. Schreiber and T. Vojta: *A new method for simulating disordered interacting electrons*, Seminarkolleg der A. von Humboldt-Stiftung: Localization and Electronic States in Low-dimensional Condensed Matter Systems, Papstdorf (1998)

[28] F. Epperlein, M. Schreiber and T. Vojta: *Quantum Coulomb glass – Hartree-Fock approximation versus exact diagonalization*, 7th International Conference on Hopping and Related Phenomena, Rackeve (1997)

[27] T. Vojta and M. Schreiber: *Damage spreading in kinetic Ising models - a mean-field approach*, 61. Frühjahrstagung der DPG, Münster (1997)

[26] F. Epperlein, M. Schreiber and T. Vojta: *Quanten-Coulomb-Glas im Rahmen der Hartree-Fock-Näherung – Zustandsdichte und Lokalisierungseigenschaften*, 61. Frühjahrstagung der DPG, Münster (1997)

[25] T. Vojta, D. Belitz, R. Narayanan and T.R. Kirkpatrick: *Quantum critical behavior of clean itinerant ferromagnets*, 61. Frühjahrstagung der DPG, Münster (1997)

[24] T. Vojta: *Numerical investigations of the Coulomb glass*, Seminarkolleg der A. von Humboldt-Stiftung: Localization in classical and quantum systems, Chemnitz (1996)

[23] A. Möbius, M. Schreiber, F. Epperlein, and T. Vojta: *Korrelation im Coulombglas – Einsichten aus Computerexperimenten*, 5. Zweijahrestreffen Amorphe Halbleiter, Eitorf (1996)

[22] T. Vojta, F. Epperlein and M. Schreiber: *Enhancement of Anderson localization due to long-range interactions*, Conference on Quantum Coherence in Strongly Correlated Fermion Systems, Pisa (1996)

[21] M. Schreiber, F. Epperlein and T. Vojta: *Density of states and localization properties of disordered quantum systems with long-range interactions*, International Conference on the Physics of Semiconductors, Berlin (1996)

[20] T. Vojta, D. Belitz, R. Narayanan and T.R. Kirkpatrick: *Quantum critical behavior of clean itinerant ferromagnets*, Conference on Non-Fermiliquid Physics in Metals, Institute for Theoretical Physics, Santa Barbara (1996)

[19] T. Wappler, T. Vojta and M. Schreiber: *Monte-Carlo-Simulation des dynamischen Verhaltens im Coulomb-Glas*, 60. Frühjahrstagung der DPG, Regensburg (1996)

[18] T. Vojta and M. Schreiber: *Quanten-Phasenübergänge im sphärischen Grenzfall*, 60. Frühjahrstagung der DPG, Regensburg (1996)

[17] T. Vojta, F. Epperlein, M. Schreiber: *Density of states for disordered long-range correlated quantum systems*, 9th International Winterschool on New Developments in Solid State Physics, Mauterndorf (1996)

[16] T. Vojta, D. Clarke and A. Vojta: *Lokalisierung des Stromes in nichtlinearen inhomogenen Medien*, Seminarkolleg der A. von Humboldt-Stiftung: Physik mit dem Computer, Chemnitz (1995)

[15] T. Vojta, T. Wappler and M. Schreiber: *Damage Spreading in the Coulomb Glass*, 6th International Conference on Hopping and Related Phenomena, Jerusalem (1995)

[14] T. Vojta, M. Schreiber and M. Sarvestani: *Is one-parameter scaling valid for the density of states in the Coulomb gap?*, 6th International Conference on Hopping and Related Phenomena, Jerusalem (1995)

[13] T. Vojta: *Quantum Phase Transitions in the Large-N Limit*, Workshop on Quantum Phase Transitions, Telluride (1995)

[12] M. Sarvestani, M. Schreiber and T. Vojta: *Die Einteilchen-Zustandsdichte des Coulomb-Glases bei endlichen Temperaturen*, 59. Frühjahrstagung der DPG, Berlin (1995)

[11] T. Wappler, T. Vojta and M. Schreiber: *Damage-Spreading-Simulationen in ungeordneten Systemen mit langreichweitiger Wechselwirkung*, 59. Frühjahrstagung der DPG, Berlin (1995)

[10] T. Vojta and M. Schreiber: *Relaxation and Transport in ungeordneten wechselwirkenden Systemen: Die Anwendung des Coulombglasmodells*, 4. Zweijahrestreffen Amorphe Halbleiter, Holzau (1994)

[9] T. Vojta and M. Schreiber: *Localized particles with long-range interactions in a random potential: Spherical approximation*, 14th General Conference of the Condensed Matter Division of the EPS, Madrid (1994), EPS-Conf. Abstr. 18A (1994), p83

[8] T. Vojta and M. Schreiber: *Generalized Coulomb Gap in the Spherical Version of a Lattice Model of Disordered and Correlated Localized Particles*, 58. Frühjahrstagung der DPG, Münster (1994)

[7] T. Vojta and M. Schreiber: *The Spherical Version of the Coulomb Glass*, 5th International Conference on Hopping and Related Phenomena, Glasgow (1993)

[6] T. Vojta, W. John and M. Schreiber: *Bethe-Peierls-Weiss approximation for the two- and three-dimensional Coulomb glass*, 57. Frühjahrstagung der DPG Regensburg (1993), EPS-Conf. Abstr. 17A (1993), p1376

[5] W. John and T. Vojta: *The Coulomb-gap problem in two and three dimensions – a BPW approach*, 28. Symposium for Theoretical Chemistry, Brixen (1992)

[4] T. Vojta and W. John: *The one-dimensional Coulomb-glass: Bethe-Peierls-Weiss approach*, 18th International Conference on Statistical Physics (Statphys18), Berlin (1992)

[3] R. Kaschner, T. Vojta and P. Ziesche: *The Ideal Fracture of the Jellium Model*, EPS-Conf. Abstr. 14A (1990), p172

[2] I. Mertig and T. Vojta: *Residual Resistivity and Thermopower of SP-Imputities in Silver*, EPS-Conf. Abstr. 14A (1990), p46

[1] R. Kaschner, T. Vojta and P. Ziesche: *The Ideal Fracture of the Jellium Model*, 20th Int. Symp. on Electronic Structure of Solids, Gaussig (1990)