

2010 CCTP PUBLICATIONS

1. [Post-Inflationary Evolution via Gravitation.](#)
[N.C. Tsamis \(Crete U.\)](#), [R.P. Woodard \(Florida U.\)](#). CRETE-09-13, UFIFT-QG-09-03. Jan 2010. 16 pp.
Published in **Phys.Rev. D81 (2010) 103509**
e-Print: **arXiv:1001.4929 [gr-qc]**
2. [Gauge Fields, Membranes and Subdeterminant Vector Models.](#)
[Robert G. Leigh \(Illinois U., Urbana\)](#), [Andrea Mauri \(Milan U.\)](#), [Djordje Minic \(Virginia Tech\)](#), [Anastasios C. Petkou \(Crete U.\)](#). CCTP-2010-22. Feb 2010. 5 pp.
Published in **Phys.Rev.Lett. 104 (2010) 221801**
e-Print: **arXiv:1002.2437 [hep-th]**
3. [De Sitter Breaking through Infrared Divergences.](#)
[S.P. Miao \(CECS, Valdivia\)](#), [N.C. Tsamis \(Crete U.\)](#), [R.P. Woodard \(Florida U.\)](#). UFIFT-QG-10-01. Feb 2010. 27 pp.
Published in **J.Math.Phys. 51 (2010) 072503**
e-Print: **arXiv:1002.4037 [gr-qc]**
4. [arXiv:1002.0717](#)
 - a. Title: Thermal transport in a spin-1/2 Heisenberg chain coupled to a (non) magnetic impurity
 - b. Authors: [A. Metavitsiadis](#), [X. Zotos](#), [O. S. Barišić](#), [P. Prelovšek](#)
 - c. Comments: 7 pages, 12 figures
 - d. Journal-ref: Physical Review B 81, 205101 (2010)
 - e. Subjects: Strongly Correlated Electrons (cond-mat.str-el)
5. **On thermal force from holographic action.**
[Xiaomei Kuang](#), [Yi Ling](#), [Hongbao Zhang](#), . Mar 2010. 6pp.
e-Print: **arXiv:1003.0195 [gr-qc]**
6. [An AdS/QCD model from Sen's tachyon action.](#)
[Ioannis Iatrakis \(Crete U.\)](#), [Elias Kiritsis \(Crete U. & APC, Paris\)](#), [Angel Paredes \(ICC, Barcelona U.\)](#). CCTP-2010-2. Mar 2010. 9 pp.
Published in **Phys.Rev. D81 (2010) 115004**
e-Print: **arXiv:1003.2377 [hep-ph]**
7. [Classical ultrarelativistic bremsstrahlung in extra dimensions.](#)
[Dmitry V. Galtsov \(Moscow State U.\)](#), [Georgios Kofinas \(Crete U.\)](#), [Pavel Spirin \(Dubna, JINR\)](#), [Theodore N. Tomaras \(Crete U.\)](#). CCTP-2010-17. Mar 2010. 24 pp.
Published in **JHEP 1005 (2010) 055**
e-Print: **arXiv:1003.2982 [hep-th]**

8. [arXiv:1003.3663](#)
 - a. Title: Electrostatics of Coulomb gas, lattice paths, and discrete polynuclear growth
 - b. Authors: [Niko Jokela](#), [Matti Jarvinen](#), [Esko Keski-Vakkuri](#)
 - c. Comments: 39 pages, 8 figures. v2: Text reorganized, references and acknowledgments added, figure 7 modified
 - d. Journal-ref: J.Phys.A43:425006,2010
 - e. Subjects: High Energy Physics - Theory (hep-th); Statistical Mechanics (cond-mat.stat-mech); Mathematical Physics (math-ph)

9. [Quantum Hall Effect in a Holographic Model.](#)
[Oren Bergman](#) ([Technion](#)), [Niko Jokela](#) ([Technion](#) & [Haifa U.](#)), [Gilad Lifshytz](#) ([Haifa U.](#)), [Matthew Lippert](#) ([Crete U.](#)). Mar 2010. 29 pp.
Published in **JHEP 1010 (2010) 063**
e-Print: [arXiv:1003.4965](#) [hep-th]

10. [Torsional degrees of freedom in AdS4/CFT3.](#)
[Anastasios C. Petkou](#) ([Crete U.](#)). **CCTP-2010-23**. Apr 2010. 31 pp.
e-Print: [arXiv:1004.1640](#) [hep-th]

11. [Hairpin-Branes and Tachyon-Paperclips in Holographic Backgrounds.](#)
[Vasilis Niarchos](#) ([Ecole Polytechnique, CPHT](#) & [Crete U.](#)). CPHT-038-0510.
May 2010. 45 pp.
Published in **Nucl.Phys. B841 (2010) 268-302**
e-Print: [arXiv:1005.1650](#) [hep-th]

12. [Thermodynamics of Large N Gauge Theories with Chemical Potentials in a 1/D Expansion.](#)
[Takeshi Morita](#) ([Tata Inst.](#), & [Crete U.](#)). TIFR-TH-10-09. May 2010. 36 pp.
Published in **JHEP 1008 (2010) 015**
e-Print: [arXiv:1005.2181](#) [hep-th]

13. [Note on the non-adjacent BCFW deformations.](#)
[Hong-bao Zhang](#) ([Crete U.](#)). May 2010. 11 pp.
e-Print: [arXiv:1005.4462](#) [hep-th]

14. [Effective Holographic Theories for low-temperature condensed matter systems.](#)
[C. Charmousis](#) ([Orsay, LPT](#) & [Tours U., CNRS](#)), [B. Gouteraux](#) ([Orsay, LPT](#)), [B.S. Kim](#) ([FORTH, Heraklion](#) & [Crete U.](#)), [E. Kiritsis](#), [R. Meyer](#) ([Crete U.](#)).
CCTP-2010-5, LPT-10-34. May 2010. 101 pp.
Published in **JHEP 1011 (2010) 151**
e-Print: [arXiv:1005.4690](#) [hep-th]

15. [Langevin diffusion of heavy quarks in non-conformal holographic backgrounds.](#)
[Umut Gursoy](#) (Utrecht U.), [Elias Kiritsis](#) (Crete U. & APC, Paris), [Liuba Mazzanti](#) (Santiago de Compostela U. & Santiago de Compostela U., IGFAE), [Francesco Nitti](#) (APC, Paris). Jun 2010. 73 pp.
Published in **JHEP 1012 (2010) 088**
e-Print: **arXiv:1006.3261 [hep-th]**
16. [Primordial Density Perturbations and Reheating from Gravity.](#)
[N.C. Tsamis](#) (Crete U.), [R.P. Woodard](#) (Florida U.). CCTP-2010-8, UFIFT-QG-10-04. Jun 2010. 37 pp.
Published in **Phys.Rev. D82 (2010) 063502**
e-Print: **arXiv:1006.4834 [Unknown]**
17. [Possible Enhancement of High Frequency Gravitational Waves.](#)
[M.G. Romania](#), [N.C. Tsamis](#) (Crete U.), [R.P. Woodard](#) (Florida U.). Jun 2010. 21 pp.
Published in **Class.Quant.Grav. 28 (2011) 075013**
e-Print: **arXiv:1006.5150 [Unknown]**
18. [Improved Holographic QCD.](#)
[Umut Gursoy](#) (Utrecht U.), [Elias Kiritsis](#) (Crete U. & APC, Paris), [Liuba Mazzanti](#) (Santiago de Compostela U. & Santiago de Compostela U., IGFAE), [Georgios Michalogiorgakis](#) (Purdue U.), [Francesco Nitti](#) (APC, Paris). CCTP-2010-7. Jun 2010. 64 pp.
Published in **Lect.Notes Phys. 828 (2011) 79-146**
To appear in the proceedings of [SPIRES Conference C09/09/21.3](#)
e-Print: **arXiv:1006.5461 [hep-th]**
19. [Stochastic Samples versus Vacuum Expectation Values in Cosmology.](#)
[N.C. Tsamis](#) (Crete U.), [Aggelos Tzetzias](#), [R.P. Woodard](#) (Florida U.). CCTP-10-09, UFIFT-QG-10-07. Jun 2010. 15 pp.
Published in **JCAP 1009 (2010) 016**
e-Print: **arXiv:1006.5681 [gr-qc]**
20. [arXiv:1007.3508 \[pdf, other\]](#)
 - a. Title: Precessing vortices and antivortices in ferromagnetic elements
 - b. Authors: [Andreas Lyberatos](#), [Stavros Komineas](#), [Nikos Papanicolaou](#)
 - c. Comments: 8 pages, 11 figures
 - d. Subjects: Materials Science (cond-mat.mtrl-sci)
21. [Refractive index in holographic superconductors.](#)
[Xin Gao](#) (Beijing, Inst. Theor. Phys.), [Hong-bao Zhang](#) (Crete U.). Aug 2010. 16 pp.
Published in **JHEP 1008 (2010) 075**
e-Print: **arXiv:1008.0720 [hep-th]**

22. [Properties of Schroedinger Black Holes from AdS Space.](#)
[Bom Soo Kim](#) (Crete U. & IESL, Heraklion), [Daisuke Yamada](#) (Crete U.).
CCTP-2010-11. Aug 2010. 27 pp.
Published in **JHEP 1107 (2011) 120**
e-Print: **arXiv:1008.3286 [hep-th]**

23. [High-energy asymptotics of D-brane decay amplitudes from Coulomb gas electrostatics.](#)
[Niko Jokela](#) (Technion & Haifa U.), [Matti Jarvinen](#) (Southern Denmark U., CP3-Origins), [Esko Keski-Vakkuri](#) (Helsinki Inst. of Phys. & Helsinki U.).
CP3-ORIGINS-2010-35, HIP-2010-15-TH. Aug 2010. 17 pp.
Published in **Phys.Rev. D82 (2010) 126009**
e-Print: **arXiv:1008.4743 [hep-th]**

24. [Extreme Technicolor and The Walking Critical Temperature.](#)
[Matti Jarvinen](#) (Crete U. & Southern Denmark U., CP3-Origins), [Francesco Sannino](#) (Southern Denmark U., CP3-Origins). CP3-ORIGINS-2010-39,
CCTP-2010-12. Sep 2010. 18 pp.
Published in **JHEP 1102 (2011) 081**
e-Print: **arXiv:1009.5380 [hep-ph]**

25. [An AdS/QCD model from tachyon condensation: II.](#)
[Ioannis Iatrakis](#) (Crete U.), [Elias Kiritsis](#) (Crete U. & APC, Paris), [Angel Paredes](#) (Barcelona U., Dept. Fund. Phys. & ICC, Barcelona U.). **CCTP-2010-13**. Oct 2010. 55 pp.
Published in **JHEP 1011 (2010) 123**
e-Print: **arXiv:1010.1364 [hep-ph]**

26. **Electroweak phase transition in technicolor.**
[Matti Jarvinen](#), . CP3-ORIGINS-2010-42, **CCTP-2010-14**, Oct 2010. 6pp. e-Print: **arXiv:1010.0272 [hep-ph]**

27. [Large-N limits of 2d CFTs, Quivers and AdS₃ duals.](#)
[Elias Kiritsis](#) (Crete U. & APC, Paris), [Vasilis Niarchos](#) (Crete U.). **CCTP-2010-19**. Nov 2010. 55 pp.
Published in **JHEP 1104 (2011) 113**
e-Print: **arXiv:1011.5900 [hep-th]**

28. [Magneto-roton excitation in a holographic quantum Hall fluid.](#)
[Niko Jokela](#) (Technion & Haifa U.), [Gilad Lifschytz](#) (Haifa U.), [Matthew Lippert](#) (Crete U.). **CCTP-2010-24**. Dec 2010. 16 pp.
Published in **JHEP 1102 (2011) 104**
e-Print: **arXiv:1012.1230 [hep-th]**

29. **Strange metal behavior from the Light-Cone AdS Black Hole.**
[Bom Soo Kim](#), [Elias Kiritsis](#), [Christos Panagopoulos](#), . CCTP-2010-25, Dec 2010. 4pp.
 e-Print: [arXiv:1012.3464](#) [cond-mat.str-el]
30. **Water transparency measurements in the deep Ionian Sea.**
[E.G. Anassontzis](#) ([Athens U.](#)), [A.E. Ball](#) ([CERN](#) & [NESTOR Inst., Pylos & Athens Observ.](#)), [A. Belias](#), [A. Fotiou](#) ([NESTOR Inst., Pylos & Athens Observ.](#)), [G. Grammatikakis](#) ([Crete U.](#)), [H. Kontogiannis](#) ([Unlisted, GR](#)), [P. Koske](#) ([Kiel U.](#)), [S. Koutsoukos](#) ([NESTOR Inst., Pylos & Athens Observ.](#)), [V. Lykoussis](#) ([Unlisted, GR](#)), [E. Markopoulos](#) ([NESTOR Inst., Pylos & Athens Observ.](#)) *et al.*. 2010. 11 pp.
 Published in **Astropart.Phys. 34 (2010) 187-197**
31. **Towards a novel description of flavor dynamics in holographic QCD.**
[Vasilis Niarchos](#), . 2010. 6pp.
 Prepared for 35th International Conference on High Energy Physics: ICHEP 2010, Paris, France, 21-28 Jul 2010.
 Published in **PoS ICHEP2010:467,2010**.
- Associated members:**
32. **The Holographic Universe.**
[Paul McFadden](#), [Kostas Skenderis](#), . ITFA-10-02, Jan 2010. 20pp.
 Published in **J.Phys.Conf.Ser.222:012007,2010**.
 e-Print: [arXiv:1001.2007](#) [hep-th]
33. **Geometric Flows in Horava-Lifshitz Gravity.**
[Ioannis Bakas](#), ([Patras U.](#)), [Francois Bourliot](#), ([Ecole Polytechnique, CPHT](#)), [Dieter Lust](#), ([Munich, Max Planck Inst. & Munich U., ASC](#)), [Marios Petropoulos](#), ([Ecole Polytechnique, CPHT](#)) . CPHT-RR078.0709, MPP-2009-179, LMU-ASC-47-09, Feb 2010. 63pp.
 Published in **JHEP 1004:131,2010**.
 e-Print: [arXiv:1002.0062](#) [hep-th]
34. **Marginal Deformations of Vacua with Massive boson-fermion Degeneracy Symmetry.**
[Ioannis Florakis](#), ([Ecole Normale Superieure](#)), [Costas Kounnas](#), ([Ecole Normale Superieure](#)), [Nicolaos Toumbas](#), ([Cyprus U.](#)) . LPTENS-10-05, Feb 2010.
 Published in **Nucl.Phys.B834:273-315,2010**.
 e-Print: [arXiv:1002.2427](#) [hep-th]
35. [arXiv:1002.4922](#)
- a. Title: Nernst effect and diamagnetic response in a stripe model of superconducting cuprates
 - b. Authors: [Ivar Martin](#), [C. Panagopoulos](#)
 - c. Comments: 5 pages, 3 figures; final version published in Europhysics Letters

- d. Journal-ref: EPL 91 (2010) 67001
 - e. Subjects: Superconductivity (cond-mat.supr-con); Mesoscale and Nanoscale Physics (cond-mat.mes-hall); Strongly Correlated Electrons (cond-mat.str-el)
36. [arXiv:1002.0717](#)
- a. Title: Thermal transport in a spin-1/2 Heisenberg chain coupled to a (non) magnetic impurity
 - b. Authors: [A. Metavitsiadis](#), [X. Zotos](#), [O. S. Barišić](#), [P. Prelovšek](#)
 - c. Comments: 7 pages, 12 figures
 - d. Journal-ref: Physical Review B 81, 205101 (2010)
 - e. Subjects: Strongly Correlated Electrons (cond-mat.str-el)
37. **A Consistent truncation of IIB supergravity on manifolds admitting a Sasaki-Einstein structure.**
[Kostas Skenderis](#), ([Amsterdam U.](#) & [Amsterdam U., Inst. Math.](#)), [Marika Taylor](#), ([Amsterdam U.](#)), [Dimitrios Tsimpis](#), ([Munich U., ASC](#) & [Munich U.](#))
 . Mar 2010. 21pp.
 Published in **JHEP 1006:025,2010**.
 e-Print: [arXiv:1003.5657](#) [hep-th]
38. On the nonlinear response of a particle interacting with fermions in a 1D lattice.
[X. Zotos](#) ([Crete U. & Res. Ctr. of Crete, Heraklion](#)). Apr 2010. 4 pp.
 Published in **J.Stat.Mech. 1012 (2010) L12003**
 e-Print: [arXiv:1004.4353](#) [cond-mat.str-el]
39. **Quantum Stress Tensor Fluctuations of a Conformal Field and Inflationary Cosmology.**
[L.H. Ford](#), ([Tufts U., Inst. of Cosmology](#) & [Tufts U.](#)), [S.P. Miao](#), ([CECS, Valdivia](#)), [Kin-Wang Ng](#), ([Taiwan, Inst. Phys.](#)), [R.P. Woodard](#), ([Florida U.](#)), [Chun-Hsien Wu](#), ([Taiwan, Inst. Phys.](#) & [Soochow U.](#)) . CECS-PHY-10-6, UFIFT-QG-10-02, May 2010. (Received Aug 15, 2010). 31pp.
 Published in **Phys.Rev.D82:043501,2010**.
 e-Print: [arXiv:1005.4530](#) [gr-qc]
40. [arXiv:1005.5576](#)
- a. Title: Transparent and flexible polymerized graphite oxide thin film with frequency-dependent dielectric constant
 - b. Authors: [D. W. Lee](#), [J. W. Seo](#), [G. R. Jelbert](#), [L. de Los Santos V.](#), [J. M. Cole](#), [C. Panagopoulos](#), [C. H. W. Barnes](#)
 - c. Journal-ref: APPLIED PHYSICS LETTERS 95, 172901 ?2009?
 - d. Subjects: Materials Science (cond-mat.mtrl-sci)
41. [arXiv:1005.5580](#)
- a. Title: Magnetism in graphite oxide: The role of epoxy groups
 - b. Authors: [D. W. Lee](#), [J. M. Cole](#), [J. W. Seo](#), [S. S. Saxena](#), [C. H. W. Barnes](#), [E. E. M. Chia](#), [C. Panagopoulos](#)

- c. Comments: This paper has been withdrawn by the author due to an error in dealing with data
 - d. Subjects: Strongly Correlated Electrons (cond-mat.str-el)
42. [arXiv:1006.1891](#)
- a. Title: Skyrmions in a Doped Antiferromagnet
 - b. Authors: [I. Raicevic](#), [Dragana Popovic](#), [C. Panagopoulos](#), [L. Benfatto](#), [M. B. Silva Neto](#), [E. S. Choi](#), [T. Sasagawa](#)
 - c. Comments: 4+ pages, 3 figures (some low resolution), supplementary material (3 pages); discussion expanded, references added; as published
 - d. Journal-ref: Phys. Rev. Lett. 106, 227206 (2011)
 - e. Subjects: Strongly Correlated Electrons (cond-mat.str-el); Other Condensed Matter (cond-mat.other)
43. [arXiv:1006.0602](#)
- a. Title: Relaxor characteristics at the interfaces of [NdMnO₃/SrMnO₃/LaMnO₃] superlattices
 - b. Authors: [J. W. Seo](#), [B. T. Phan](#), [J. Stahn](#), [J. Lee](#), [C. Panagopoulos](#)
 - c. Journal-ref: Physical Review B 82, 140405(R) (2010)
 - d. Subjects: Strongly Correlated Electrons (cond-mat.str-el)
44. **Homogeneous vacua of (generalized) new massive gravity.**
[Ioannis Bakas](#), [Christos Sourdis](#), ([Patras U.](#)) . Jun 2010. 25pp.
 Published in **Class.Quant.Grav.28:015012,2011.**
 e-Print: [arXiv:1006.1871](#) [hep-th]
45. [arXiv:1006.3603](#)
- a. Title: Tunable magnetic interaction at the atomic scale in oxide heterostructures
 - b. Authors: [J. W. Seo](#), [W. Prellier](#), [P. Padhan](#), [P. Boullay](#), [J.-Y. Kim](#), [H. G. Lee](#), [C. D. Batista](#), [I. Martin](#), [Elbert E. M. Chia](#), [T. Wu](#), [B. -G. Cho](#), [C. Panagopoulos](#)
 - c. Journal-ref: Phys. Rev. Lett. 105, 167206 (2010)
 - d. Subjects: Materials Science (cond-mat.mtrl-sci); Strongly Correlated Electrons (cond-mat.str-el)
46. **The Zeta-Zeta Correlator Is Time Dependent.**
[E.O. Kahya](#), ([Jena U.](#)) , [V.K. Onemli](#), ([Istanbul, Tech. U.](#)) , [R.P. Woodard](#), ([Florida U.](#)) . UFIFT-QG-10-03, Jun 2010. 7pp.
 Published in **Phys.Lett.B694:101-107,2010.**
 e-Print: [arXiv:1006.3999](#) [astro-ph.CO]
47. **Solving the Effective Field Equations for the Newtonian Potential.**
[Sohyun Park](#), [R.P. Woodard](#), ([Florida U.](#)) . UFIFT-QG-10-06, Jul 2010. 14pp.
 Published in **Class.Quant.Grav.27:245008,2010.**
 e-Print: [arXiv:1007.2662](#) [gr-qc]

48. **Holography for Schrodinger backgrounds.**
[Monica Guica](#), ([Paris, LPTHE](#)) , [Kostas Skenderis](#), ([Amsterdam U.](#) & [Amsterdam U., Inst. Math.](#)) , [Marika Taylor](#), [Balt C. van Rees](#), ([Amsterdam U.](#)) . Aug 2010. 71pp.
 Published in **JHEP 1102:056,2011**.
 e-Print: [arXiv:1008.1991](#) [hep-th]
49. **Non-singular string cosmology in a 2d Hybrid model.**
[Ioannis Florakis](#), [Costas Kounnas](#), ([Ecole Normale Superieure](#)) , [Herve Partouche](#), ([Ecole Polytechnique](#)) , [Nicolaos Toumbas](#), ([Cyprus U.](#)) . CPHT-RR077-0810, LPTENS-10-31, Sep 2010. 38pp.
 Published in **Nucl.Phys.B844:89-114,2011**.
 e-Print: [arXiv:1008.5129](#) [hep-th]
50. **Gradient flows and instantons at a Lifshitz point.**
[Ioannis Bakas](#), ([Patras U.](#)) . Sep 2010. 19pp.
 To appear in the proceedings of 14th Conference on Recent Developments in Gravity: NEB 14, Ioannina, Greece, 8-11 Jun 2010.
 Published in **J.Phys.Conf.Ser.283:012004,2011**.
 e-Print: [arXiv:1009.6173](#) [hep-th]
51. **Observational signatures of holographic models of inflation.**
[Paul McFadden](#), ([Amsterdam U.](#)) , [Kostas Skenderis](#), ([Amsterdam U.](#) & [Amsterdam U., Inst. Math.](#)) . Oct 2010. 5pp.
 e-Print: [arXiv:1010.0244](#) [hep-th]
52. **Holography for chiral scale-invariant models.**
[R.N. Caldeira Costa](#), [Marika Taylor](#) ([Amsterdam U.](#)). Oct 2010. 62 pp.
 Published in **JHEP 1102 (2011) 082**
 e-Print: [arXiv:1010.4800](#) [hep-th]
53. [arXiv:1010.3078](#)
- a. Title: Quasiparticle dynamics in overdoped
 $\text{Bi}_{1.4}\text{Pb}_{0.7}\text{Sr}_{1.9}\text{CaCu}_2\text{O}_{8+\delta}$:
 Coexistence of superconducting gap and pseudogap below T_c
 - b. Authors: [Saritha K. Nair](#), [X. Q. Zou](#), [Jian-Xin Zhu](#), [C. Panagopoulos](#),
[S. Ishida](#), [S. Uchida](#), [Elbert E. M. Chia](#)
 - c. Comments: 3 figures
 - d. Journal-ref: Physical Review B 82, 212503 (2010)
 - e. Subjects: Superconductivity (cond-mat.supr-con); Strongly Correlated Electrons (cond-mat.str-el)
54. **Dimensional reduction and confinement from five dimensions.**
[Francesco Knechtli](#), [Nikos Irges](#), [Antonio Rago](#), ([Wuppertal U.](#)) . WUB-10-27, Nov 2010. 7pp.
 To appear in the proceedings of 28th International Symposium on Lattice Field Theory (Lattice 2010), Villasimius, Sardinia, Italy, 14-19 Jun 2010.

Published in **PoS LATTICE2010:059,2010**.

e-Print: **arXiv:1011.0345** [hep-lat]

55. **Holographic Non-Gaussianity.**

[Paul McFadden](#), ([Amsterdam U.](#)) , [Kostas Skenderis](#), ([Amsterdam U.](#) & [Amsterdam U., Inst. Math.](#)) . ITFA-10-23, Nov 2010. 40pp.

Published in **JCAP 1105:013,2011**.

e-Print: **arXiv:1011.0452** [hep-th]

56. [arXiv:1012.0292](#)

- a. Title: Non-Gaussian Noise in the In-Plane Transport of Lightly Doped $\text{La}_{2-x}\text{Sr}_x\text{CuO}_4$: Evidence for a Collective State of Charge Clusters
- b. Authors: [I. Raičević](#), [Dragana Popović](#), [C. Panagopoulos](#), [T. Sasagawa](#)
- c. Comments: 9 pages, 9 figures; discussion expanded; as published
- d. Journal-ref: Phys. Rev. B 83, 195133 (2011)
- e. Subjects: Strongly Correlated Electrons (cond-mat.str-el)

57. **Elementary particles and physics. Proceedings, Corfu Summer Institute, Workshop on Noncommutative field theory and gravity, CNCFG2010, Corfu 2010, Greece, September 8-12, 2010.**

[Konstantinos N. Anagnostopoulos](#), (ed.), ([Natl. Tech. U., Athens](#)) , [Dorothea Bahns](#), (ed.), ([Gottingen U.](#)) , [Harald Grosse](#), (ed.), ([Vienna U.](#)) , [Nikos Irges](#), (ed.), [George Zoupanos](#), (ed.), ([Natl. Tech. U., Athens](#)) . 2010.

Prepared for 10th Hellenic School and Workshops on Elementary Particle Physics and Gravity (CORFU2010): Satellite Workshop on Non Commutative Field Theory and Gravity, Corfu, Greece, 8-12 Sep 2010.

Published in PoS CNCFG2010 (2010) nonconsec.

58. **Open problems in string cosmology.**

[Nicolaos Toumbas](#), ([Cyprus U.](#)) . 2010. 5pp.

Prepared for 9th Hellenic School and Workshops on Elementary Particle Physics and Gravity (CORFU 2009), Corfu, Greece, 30 Aug - 20 Sep 2009.

Published in **Fortsch.Phys.58:806-810,2010**.