

## **2006 CCTP PUBLICATIONS**

1. [Parton distributions, logarithmic expansions and kinetic evolution.](#)  
[Alessandro Cafarella](#) ([Crete U.](#)), [Claudio Coriano'](#), [Marco Guzzi](#) ([Lecce U.](#) & [INFN, Lecce](#)). Feb 2006. 32 pp.  
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2. [Non-equilibrium thermodynamics of spacetime.](#)  
[Christopher Eling](#) ([Maryland U.](#)), [Raf Guedens](#) ([Crete U.](#)), [Ted Jacobson](#) ([Maryland U.](#)). Feb 2006. 4 pp.  
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e-Print: [arXiv:gr-qc/0602001 \[gr-qc\]](#)
3. [Non-perturbative mass spectrum of an extra-dimensional orbifold.](#)  
[N. Irges](#) ([Crete U.](#)), [F. Knechtli](#) ([CERN](#)). CERN-PH-TH-2006-057. Apr 2006. 4 pp.  
e-Print: [hep-lat/0604006](#)
4. [Cosmological evolution in brane-worlds with large transverse dimensions: Inflation and dark matter.](#)  
[Grigoris Panotopoulos](#) ([Crete U.](#)). Apr 2006. 132 pp.  
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5. [Double transverse-spin asymmetries in Drell-Yan and J / psi production from proton-antiproton collisions.](#)  
[M. Guzzi](#) ([Lecce U. & INFN, Lecce & Insubria U., Como](#)), [V. Barone](#) ([Piemonte Orientale U., Alessandria & Turin U., Alessandria](#)), [Alessandro Cafarella](#) ([Crete U.](#)), [C. Coriano](#) ([Lecce U. & INFN, Lecce](#)), [P. Ratcliffe](#) ([Insubria U., Como & INFN, Milan](#)). Apr 2006. 9 pp.  
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e-Print: [hep-ph/0604176](#)
6. [Anomalies, anomalous U\(1\)'s and generalized Chern-Simons terms.](#)  
[Pascal Anastasopoulos](#) ([Athens U.](#)), [M. Bianchi](#) ([Rome U., Tor Vergata & INFN, Rome2](#)), [E. Dudas](#) ([Ecole Polytechnique, CPHT & Orsay, LPT & CERN](#)), [E. Kiritsis](#) ([Ecole Polytechnique, CPHT & Crete U.](#)). CPHT-RR017-0306, ROM2F-2006-10, LPT-ORSAY-06-34, CERN-PH-TH-2006-084. May 2006. 52 pp.  
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7. [Orientifolds, hypercharge embeddings and the Standard Model.](#)  
[Pascal Anastasopoulos](#) ([Athens U.](#)), [T.P.T. Dijkstra](#) ([NIKHEF, Amsterdam](#)), [E. Kiritsis](#) ([Ecole Polytechnique, CPHT & Crete U.](#)), [A.N. Schellekens](#) ([NIKHEF, Amsterdam & Nijmegen U.](#)). CPHT-RR015-0306, NIKHEF-2006-003. May 2006. 85 pp.  
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8. [Cosmic acceleration and crossing of w=-1 barrier from Cubic Superstring Field Theory.](#)  
I.Ya. Arefeva (Steklov Math. Inst., Moscow), A.S. Koshelev (Crete U. & Steklov Math. Inst., Moscow). May 2006. 17 pp.  
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9. [Cosmological constraints on a dark energy model with a non-linear scalar field.](#)  
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10. [Non-thermal leptogenesis and baryon asymmetry in different neutrino mass models.](#)  
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11. [Instantons and Conformal Holography.](#)  
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13. [Lagrangian formulation of higher spin theories on AdS space.](#)  
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16. [Product CFTs, gravitational cloning, massive gravitons and the space of gravitational duals.](#)  
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17. [A Maximally symmetric vector propagator.](#)  
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18. [Constructing the cubic interaction vertex of higher spin gauge fields.](#)  
I.L. Buchbinder ([Tomsk Pedagogical Inst.](#)), Angelos Fotopoulos ([Crete U.](#) & [Turin U.](#)), Anastasios C. Petkou, Mirian Tsulaia ([Crete U.](#)). Sep 2006. 29 pp.  
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19. [Lattice gauge theory approach to spontaneous symmetry breaking from an extra dimension.](#)  
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20. [Brane-bulk energy exchange and the universe as a global attractor.](#)  
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22. [Conformally Coupled Scalars, Instantons and Vacuum Instability in AdS\(4\).](#)  
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23. [On massless 4D gravitons from asymptotically AdS\(5\) space-times.](#)  
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24. [Folding Froggatt-Nielsen into the Stueckelberg-Higgs mechanism in anomalous U\(1\) models.](#)  
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25. [Probing Cold Dark Matter Cusps by Gravitational Lensing.](#)  
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26. [Quantum Stability of a  \$w < -1\$  Phase of Cosmic Acceleration.](#)  
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27. [Search of axially symmetric solitons.](#)  
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29. [String theory in a nutshell.](#)  
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