

Publications 2008- 2009

Inter-team papers – in refereed journals

- 1. Model-independent implications of the e^+ , anti-proton cosmic ray spectra on properties of Dark Matter**
[Marco Cirelli \(Saclay, SPHT\)](#) , [Mario Kadastik](#), [Martti Raidal \(NICPB, Tallinn\)](#) , [Alessandro Strumia \(Pisa U. & INFN, Pisa\)](#) . Sep 2008. 25pp.
Published in **Nucl.Phys.B813:1-21,2009**. e-Print: [arXiv:0809.2409](#) [hep-ph]* Cited **141 times**
- 2. Non-linear isocurvature perturbations and non-Gaussianities**
[David Langlois](#), [Filippo Vernizzi](#), [David Wands](#) (includes UniverseNet members from [Saclay](#) + [APC Paris](#)).
Sep 2008. 24pp.
Published in **JCAP 0812:004,2008**. e-Print: [arXiv:0809.4646](#) [astro-ph] Cited **13 times**
- 3. The Effective Theory of Quintessence: the $w < -1$ Side Unveiled**
[Paolo Creminelli](#), [Guido D'Amico](#), [Jorge Norena](#), [Filippo Vernizzi](#) (includes UniverseNet members from [Saclay](#) + [ICTP Trieste](#)). Nov 2008. 34pp.
Published in **JCAP 0902:018,2009**. e-Print: [arXiv:0811.0827](#) [astro-ph] Cited **8 times**
- 4. Parameterizing the effect of dark energy perturbations on the growth of structures.**
[Guillermo Ballesteros \(Madrid, IFT & CERN\)](#) , [Antonio Riotto \(CERN & INFN, Padua\)](#). Jul 2008.
Published in **Phys.Lett.B668:171-176,2008**. e-Print: [arXiv:0807.3343](#) [astro-ph]* Cited **11 times**
- 5. Exact Spherically symmetric solutions in massive gravity.**
[Z. Berezhiani \(L'Aquila U. & Gran Sasso\)](#) , [D. Comelli \(INFN, Ferrara\)](#) , [F. Nesti](#), [L. Pilo \(L'Aquila U. & Gran Sasso\)](#) . Mar 2008. 20pp.
Published in **JHEP 0807:130,2008**. e-Print: [arXiv:0803.1687](#) [hep-th]* Cited **10 times**
- 6. Precision studies of the NNLO DGLAP evolution at the LHC with CANDIA.**
[Alessandro Cafarella \(Democritos Nucl. Res. Ctr.\)](#), [Claudio Coriano \(Salento U. & INFN, Lecce & Crete U.\)](#),
[Marco Guzzi \(Salento U. & INFN, Lecce\)](#). Mar 2008. 30pp.
Published in **Comput.Phys.Commun.179:665,2008**. e-Print: [arXiv:0803.0462](#) [hep-ph]* Cited **6 times**
- 7. Flaxino dark matter and stau decay.**
[Eung Jin Chun](#), [Hang Bae Kim \(Hanyang U.\)](#), [Kazunori Kohri](#), [David H. Lyth \(Lancaster U.\)](#). Jan 2008.
Published in **JHEP 0803:061,2008**. e-Print: [arXiv:0801.4108](#) [hep-ph]* Cited **3 times**
- 8. Searching for extra Z' from strings and other models at the LHC with lepton production.**
[Claudio Coriano \(Salento U. & INFN, Lecce & Crete U.\)](#), [Alon E. Faraggi \(Liverpool U., Dept. Math.\)](#), [Marco Guzzi \(Salento U. & INFN, Lecce\)](#). Feb 2008. 34pp.
Published in **Phys.Rev.D78:015012,2008**. e-Print: [arXiv:0802.1792](#) [hep-ph]* Cited **11 times**
- 9. Supersymmetry signals of supercritical string cosmology at the Large Hadron Collider.**
[Bhaskar Dutta](#), [Alfredo Gurrola](#), [Teruki Kamon](#), [Abram Krislock](#), [A.B. Lahanas \(Athens U.\)](#), [N.E. Mavromatos \(King's Coll. London\)](#), [D.V. Nanopoulos](#). Aug 2008. 26pp.
Published in **Phys.Rev.D79:055002,2009**. e-Print: [arXiv:0808.1372](#) [hep-ph]* Cited **6 times**
- 10. Cosmic-ray nuclei, antiprotons and gamma-rays in the Galaxy: a new diffusion model.**
[C. Evoli \(INFN, Trieste\)](#), [D. Gaggero](#), [D. Grasso \(INFN, Pisa\)](#), [L. Maccione](#). Jul 2008. 17pp.
Published in **JCAP 0810:018,2008**. e-Print: [arXiv:0807.4730](#) [astro-ph]* Cited **2 times**

11. **Bulk photons in asymmetrically warped space-times and non-trivial vacuum refractive index.**
[K. Farakos \(Natl. Tech. U., Athens\)](#), [N.E. Mavromatos \(King's Coll. London\)](#), [P. Pasipoularides \(Natl. Tech. U., Athens\)](#). Jul 2008. 18pp.
 Published in **JHEP 0901:057,2009**. e-Print: [arXiv:0807.0870](#) [hep-th]* Cited **4 times**
12. **(A)dS exchanges and partially-massless higher spins.**
[D. Francia \(Chalmers U. Tech.\)](#), [J. Mourad \(APC, Paris\)](#), [A. Sagnotti \(INFN, Pisa\)](#). Mar 2008. 39pp.
 Published in **Nucl.Phys.B804:383-420,2008**. e-Print: [arXiv:0803.3832](#) [hep-th] Cited **10 times**
13. **Observing trans-Planckian ripples in the primordial power spectrum with future large scale structure probes.**
[Jan Hamann \(Annecy, LAPTH\)](#), [Steen Hannestad \(Aarhus U.\)](#), [Martin S. Sloth \(Aarhus U.\)](#), [Yvonne Y.Y. Wong](#). Jul 2008. 20pp.
 Published in **JCAP 0809:015,2008**. e-Print: [arXiv:0807.4528](#) [astro-ph] Cited **2 times**
14. **Dynamics of domain walls for split and runaway potentials.**
[Z. Lalak \(Warsaw U.\)](#), [S. Lola \(Patras U.\)](#), [P. Magnowski \(Warsaw U.\)](#). Oct 2007. 30pp.
 Published in **Phys.Rev.D78:085020,2008**. e-Print: [arXiv:0710.1233](#) [hep-ph]* Cited **1 time**
15. **Primordial perturbations and non-Gaussianities in DBI and general multi-field inflation.**
[David Langlois \(APC, Paris & Paris, Inst. Astrophys.\)](#), [Sebastien Renaux-Petel \(APC, Paris\)](#), [Daniele A. Steer \(APC, Paris & CERN\)](#), [Takahiro Tanaka \(Kyoto U.\)](#). Jun 2008. 20pp.
 Published in **Phys.Rev.D78:063523,2008**. e-Print: [arXiv:0806.0336](#) [hep-th] Cited **43 times**
16. **The impact of cosmic neutrinos on the gravitational-wave background.**
[A. Mangilli](#), [N. Bartolo](#), [S. Matarrese \(Padua U. & INFN, Padua\)](#), [A. Riotto \(CERN & INFN, Padua\)](#). May 2008. 11pp.
 Published in **Phys.Rev.D78:083517,2008**. e-Print: [arXiv:0805.3234](#) [astro-ph] Cited **2 times**
17. **Curvature perturbation from supersymmetric flat directions.**
[Antonio Riotto \(CERN & INFN, Padua\)](#), [Francesco Riva \(CERN & Oxford U., Theor. Phys.\)](#). Jun 2008. 12pp.
 Published in **Phys.Lett.B670:169-173,2008**. e-Print: [arXiv:0806.3382](#) [hep-ph] * Cited **5 times**
18. **Heterotic mini-landscape. (II). Completing the search for MSSM vacua in a Z(6) orbifold.**
[Oleg Lebedev \(CERN\)](#), [Hans Peter Nilles](#), [Saul Ramos-Sanchez \(Bonn U.\)](#), [Michael Ratz \(Munich, Tech. U.\)](#), [Patrick K.S. Vaudrevange \(Bonn U.\)](#). Jul 2008. 12pp.
 Published in **Phys.Lett.B668:331-335,2008**. e-Print: [arXiv:0807.4384](#) [hep-th]* Cited **9 times**
19. **A Note on Unparticle Decays.**
[Antonio Delgado \(Notre Dame U.\)](#), [Jose R. Espinosa \(Madrid, IFT & Barcelona, IFAE\)](#), [Jose Miguel No \(Madrid, IFT\)](#), [Mariano Quiros \(Barcelona, IFAE & ICREA, Barcelona\)](#). Dec 2008. 11pp.
 Published in **Phys.Rev.D79:055011,2009**. e-Print: [arXiv:0812.1170](#) [hep-ph]* Cited **9 times**
20. **Phantom Higgs from Unparticles.**
[A. Delgado \(Notre Dame U.\)](#), [J.R. Espinosa \(Madrid, IFT & Madrid, Autonoma U. & CERN\)](#), [J.M. No \(Madrid, IFT & Madrid, Autonoma U.\)](#), [M. Quiros \(Barcelona, IFAE\)](#). Apr 2008. 14pp.
 Published in **JHEP 0811:071,2008**. e-Print: [arXiv:0804.4574](#) [hep-ph]* Cited **8 times**
21. **Probing a Possible Vacuum Refractive Index with Gamma-Ray Telescopes.**
[John Ellis \(CERN\)](#), [N.E. Mavromatos \(King's Coll. London\)](#), [D.V. Nanopoulos](#). Jan 2009. 6pp.
 Published in **Phys.Lett.B674:83-86,2009**. e-Print: [arXiv:0901.4052](#) [astro-ph.HE]* Cited **7 times**

22. **Bulk photons in asymmetrically warped space-times and non-trivial vacuum refractive index.**
 K. Farakos ([Natl. Tech. U., Athens](#)) , N.E. Mavromatos ([King's Coll. London](#)) , P. Pasipoularides ([Natl. Tech. U., Athens](#)). Jul 2008. 18pp.
 Published in [JHEP 0901:057,2009](#). e-Print: [arXiv:0807.0870](#) [hep-th]* Cited **4 times**
23. **Neutrino oscillations in a Robertson-Walker Universe with space time foam.**
 J. Alexandre ([King's Coll. London](#)) , K. Farakos ([Natl. Tech. U., Athens](#)) , N.E. Mavromatos ([King's Coll. London](#)) , P. Pasipoularides ([Natl. Tech. U., Athens](#)). Feb 2009.
 Published in [Phys.Rev.D79:107701,2009](#). e-Print: [arXiv:0902.3386](#) [hep-ph]* Cited **2 times**
24. **Exploration of possible quantum gravity effects with neutrinos. I. Decoherence in neutrino oscillation experiments.**
 Alexander Sakharov ([CERN & Zurich, ETH & Wayne State U.](#)) , Nick Mavromatos ([King's Coll. London](#)) , Anselmo Mereaglia ([Louis Pasteur U., Strasbourg I](#)) , Andre Rubbia ([Zurich, ETH](#)) , Sarben Sarkar ([King's Coll. London](#)). Mar 2009. 9pp.
 Published in [J.Phys.Conf.Ser.171:012038,2009](#). e-Print: [arXiv:0903.4985](#) [hep-ph]* Cited **1 times**
25. **The cosmic microwave background temperature bispectrum from scalar perturbations induced by primordial magnetic fields.**
 Chiara Caprini, Fabio Finelli, Daniela Paoletti, Antonio Riotto (includes UniverseNet members from [Saclay +CERN](#)). Mar 2009. 20pp.
 Published in [JCAP 0906:021,2009](#). e-Print: [arXiv:0903.1420](#) [astro-ph.CO]* Cited **? time**
26. **Bright high z SNIa: A challenge for LCDM?**
 L. Perivolaropoulos ([Ioannina U.](#)) , A. Shafieloo ([Oxford U.](#)). Nov 2008. 7pp.
 Published in [Phys.Rev.D79:123502,2009](#). e-Print: [arXiv:0811.2802](#) [astro-ph]* Cited **8 times**
27. **Complete one-loop MSSM predictions for $B_0 \rightarrow I+I'$ at the Tevatron and LHC.**
 Athanasios Dedes ([Ioannina U.](#) & [Warsaw U.](#)) , Janusz Rosiek ([Warsaw U](#) & [Durham U., IPPP](#)) , Philip Tanedo ([Cornell U., CIHEP](#) & [Durham U., IPPP](#)). Dec 2008. 30pp.
 Published in [Phys.Rev.D79:055006,2009](#). e-Print: [arXiv:0812.4320](#) [hep-ph]* Cited **1 time**
28. **Spinor-vector duality in heterotic SUSY vacua.**
 Tristan Catelin-Jullien ([Ecole Normale Superieure](#)) , Alon E. Faraggi ([Liverpool U., Dept. Math.](#)) , Costas Kounnas ([ENS, Paris](#)) , John Rizos ([Ioannina U.](#)) Jul 2008. 28pp.
 Published in [Nucl.Phys.B812:103-127,2009](#). e-Print: [arXiv:0807.4084](#) [hep-th]* Cited **4 times**
29. **Genetic algorithms and supernovae type Ia analysis.**
 C. Bogdanos ([Orsay, LPT](#)) , Savvas Nesseris ([Bohr Inst.](#)) . Mar 2009. 10pp.
 Published in [JCAP 0905:006,2009](#). e-Print: [arXiv:0903.2805](#) [astro-ph.CO]* Cited **1 time**
30. **Axionic dark energy and a composite QCD axion.**
 Jihn E. Kim ([Seoul Natl. U.](#)) , Hans Peter Nilles ([Bonn U.](#)) . Feb 2009. 9pp.
 Published in [JCAP 0905:010,2009](#). e-Print: [arXiv:0902.3610](#) [hep-th]* Cited **2 times**
31. **Color-octet scalars of N=2 supersymmetry at the LHC.**
 S.Y. Choi, M. Drees, J. Kalinowski, J.M. Kim, E. Popenza, P.M. Zerwas (includes UniverseNet members from [Bonn U.](#), [Warsaw U.](#) and [Chonbuk Natl. U., Korea](#)). Dec 2008. 12pp.
 Published in [Phys.Lett.B672:246-252,2009](#). e-Print: [arXiv:0812.3586](#) [hep-ph]* Cited **9 times**

32. **Primordial fluctuations and non-Gaussianities in multi-field DBI inflation.**
[David Langlois](#), [Sebastien Renaux-Petel](#) ([APC, Paris](#)) , [Daniele A. Steer](#) ([APC, Paris](#) & [CERN](#)) , [Takahiro Tanaka](#) ([Kyoto U., Yukawa Inst., Kyoto](#)). Apr 2008. 4pp.
 Published in [Phys.Rev.Lett.101:061301,2008](#). e-Print: [arXiv:0804.3139](#) [hep-th] Cited **39 times**
33. **Non-linear Power Spectrum including Massive Neutrinos: the Time-RG Flow Approach.**
[J. Lesgourgues](#), [S. Matarrese](#), [M. Pietroni](#), [A. Riotto](#) (includes UniverseNet members from [Annecy, LAPTH](#) and [INFN, Padova](#)). Jan 2009. 8pp.
 Published in [JCAP 0906:017,2009](#). e-Print: [arXiv:0901.4550](#) [astro-ph.CO]* Cited **6 times**
34. **Realistic sterile neutrino dark matter with keV mass does not contradict cosmological bounds.**
[Alexey Boyarsky](#) ([Zurich, ETH](#) & [BITP, Kiev](#)) , [Julien Lesgourgues](#) ([CERN](#) & [Ecole Polytechnique](#) & [Annecy, LAPTH](#)) , [Oleg Ruchayskiy](#) ([IPT, Lausanne](#)) , [Matteo Viel](#) ([Trieste Observ.](#) & [INFN, Trieste](#)). Dec 2008. 4pp.
 Published in [Phys.Rev.Lett.102:201304,2009](#). e-Print: [arXiv:0812.3256](#) [hep-ph]* Cited **9 times**
35. **Lyman-alpha constraints on warm and on warm-plus-cold dark matter models.**
[Alexey Boyarsky](#), [Julien Lesgourgues](#), [Oleg Ruchayskiy](#), [Matteo Viel](#) (includes UniverseNet members from [Annecy, LAPTH](#) & [CERN](#)). Dec 2008. 51pp.
 Published in [JCAP 0905:012,2009](#). e-Print: [arXiv:0812.0010](#) [astro-ph]* Cited **17 times**
36. **A new test of the light dark matter hypothesis.**
[Celine Boehm](#) ([Annecy, LAPTH](#)) , [Joseph Silk](#) ([Oxford U.](#)) . Aug 2007. 3pp.
 Published in [Phys.Lett.B661:287-289,2008](#). e-Print: [arXiv:0708.2768](#) [hep-ph] Cited **6 times**
37. **Isocurvature forecast in the anthropic axion window.**
[Jan Hamann](#) ([Annecy, LAPTH](#)) , [Steen Hannestad](#) ([Aarhus U.](#)) , [Georg G. Raffelt](#) ([Munich, Max Planck Inst.](#)), [Yvonne Y.Y. Wong](#) ([CERN](#)) . Apr 2009. 14pp.
 Published in [JCAP 0906:022,2009](#). e-Print: [arXiv:0904.0647](#) [hep-ph] Cited **2 times**
38. **A new, direct link between the baryon asymmetry and neutrino masses.**
[Michele Frigerio](#) ([Saclay](#)) , [Pierre Hosteins](#) ([Patras U.](#)) , [Stephane Lavignac](#) ([Saclay](#)) , [Andrea Romanino](#) ([SISSA, Trieste](#) & [INFN, Pisa](#)) . Apr 2008. 21pp.
 Published in [Nucl.Phys.B806:84-102,2009](#). e-Print: [arXiv:0804.0801](#) [hep-ph] Cited **3 times**
39. **Gamma-ray and radio tests of the e+e- excess from DM annihilations.**
[Gianfranco Bertone](#), [Marco Cirelli](#), [Alessandro Strumia](#), [Marco Taoso](#) (includes UniverseNet members from [Saclay](#) + [INFN Pisa](#)). Nov 2008. 16pp.
 Published in [JCAP 0903:009,2009](#). e-Print: [arXiv:0811.3744](#) [astro-ph]* Cited **77 times**
40. **Inflationary trispectrum from graviton exchange.**
[David Seery](#), [Martin S. Sloth](#) ([University of Aarhus](#)) , [Filippo Vernizzi](#) ([Saclay](#)). Nov 2008. 23pp.
 Published in [JCAP 0903:018,2009](#). e-Print: [arXiv:0811.3934](#) [astro-ph] Cited **14 times**
41. **Conformal Neutrinos: an Alternative to the See-saw Mechanism.**
[Gero von Gersdorff](#) ([CERN](#)) , [Mariano Quiros](#) ([Barcelona, IFAE](#) & [ICREA, Barcelona](#)). Dec 2008. 11pp.
 Published in [Phys.Lett.B678:317-321,2009](#). e-Print: [arXiv:0901.0006](#) [hep-ph]* Cited **2 times**
42. **Inverse Compton constraints on the Dark Matter e+e- excesses.**
[Marco Cirelli](#) ([Saclay](#)) , [Paolo Panci](#) ([LNGS Gran Sasso](#)). Apr 2009. 17pp.
 Published in [Nucl.Phys.B821:399-416,2009](#). e-Print: [arXiv:0904.3830](#) [astro-ph.CO]* Cited **14 times**

43. **Absolute electron and positron fluxes from PAMELA/Fermi and dark matter.**
[C. Balazs](#), [N. Sahu](#) ([Lancaster U.](#)) & [A. Mazumdar](#) ([Bohr Inst.](#)). May 2009. 5pp.
Published in *JCAP* **0907:039,2009**. e-Print: [arXiv:0905.4302](#) [hep-ph]* Cited **7 times**

44. **Warped Wilson Line DBI Inflation.**
[A. Avgoustidis](#) ([Barcelona U.](#), [ECM](#) & [ICC](#)) , [I. Zavala](#) ([Durham U.](#), [IPPP](#) & [Bonn U.](#)). Oct 2008. 20pp.
Published in *JCAP* **0901:045,2009**. e-Print: [arXiv:0810.5001](#) [hep-th]* Cited **3 times**

Inter-team papers – preprints

45. **General properties of the gravitational wave spectrum from phase transitions.**
[Chiara Caprini](#), [Ruth Durrer](#), [Thomas Konstandin](#), [Geraldine Servant](#) (includes UniverseNet members from [SPHT Saclay](#) + [CERN](#) + [IFAE Barcelona](#)). Jan 2009. 11pp.
e-Print: [arXiv:0901.1661](#) [astro-ph]* Cited **3 times**

46. **Prospects for dark matter detection with IceCube in the context of the CMSSM.**
[R. Trotta](#), [R. Ruiz de Austri](#), [C. Perez de los Heros](#) (includes UniverseNet members from [Imperial Coll. London](#) and [Madrid, Autonoma U.](#)). Jun 2009. 32pp.
e-Print: [arXiv:0906.0366](#) [astro-ph.HE] Cited **1 time**

47. **Do three dimensions tell us anything about a Theory of Everything?**
[Jean Alexandre](#) ([King's Coll. London](#)) , [John Ellis](#) ([King's Coll. London](#) & [CERN](#)) , [Nikolaos E. Mavromatos](#) ([King's Coll. London](#)). Jan 2009. 20pp.
e-Print: [arXiv:0901.2532](#) [hep-th]*

48. **Efficient reconstruction of CMSSM parameters from LHC data - A case study.**
[L. Roszkowski](#), [R. Ruiz de Austri](#), [R. Trotta](#) (includes UniverseNet members from [Imperial Coll. London](#) and [Madrid, Autonoma U.](#)). Jul 2009. 19pp.
e-Print: [arXiv:0907.0594](#) [hep-ph]*

49. **Minimal Dark Matter: Model and results.**
[Marco Cirelli](#) ([Saclay](#), [SPHT](#)) , [Alessandro Strumia](#) ([Pisa U.](#) & [INFN, Pisa](#)). Mar 2009. 28pp.
e-Print: [arXiv:0903.3381](#) [hep-ph]* Cited **7 times**

50. **Sachs-Wolfe at second order: the CMB bispectrum on large angular scales.**
[Lotfi Boubekur](#), [Paolo Creminelli](#), [Guido D'Amico](#), [Jorge Norena](#), [Filippo Vernizzi](#) (includes UniverseNet members from [Saclay](#) + [ICTP Trieste](#)). Jun 2009. 38pp.
e-Print: [arXiv:0906.0980](#) [astro-ph.CO]* Cited **1 time**

51. **Constraints on dark matter annihilations from reionization and heating of the intergalactic gas.**
[Marco Cirelli](#) ([Saclay](#)) , [Fabio Iocco](#), [Paolo Panci](#) ([LNGS Gran Sasso](#)). Jul 2009. 22pp.
e-Print: [arXiv:0907.0719](#) [astro-ph.CO]* Cited **5 times**

52. **The probable fate of the Standard Model.**
[J. Ellis](#), [J.R. Espinosa](#), [G.F. Giudice](#), [A. Hoecker](#), [A. Riotto](#) (includes UniverseNet members from [CERN](#), [Madrid](#), [IFT](#) & [INFN, Padua](#)). Jun 2009.
e-Print: [arXiv:0906.0954](#) [hep-ph]* Cited **2 times**

53. **Inflation, baryogenesis and gravitino dark matter at ultra low reheat temperatures.**
[Kazunori Kohri](#) ([Lancaster U.](#)) , [Anupam Mazumdar](#) ([Bohr Inst.](#)) , [Narendra Sahu](#) ([Lancaster U.](#)). May

2009. 4pp.

e-Print: [arXiv:0905.1625](https://arxiv.org/abs/0905.1625) [hep-ph]* Cited 3 times

54. **Probing unified Origin of Dark Matter and Baryon Asymmetry at PAMELA/Fermi.**

[Kazunori Kohri](#), [Anupam Mazumdar](#) ([Bohr Inst.](#)), [Narendra Sahu](#) ([Lancaster U.](#)), [Philip Stephens](#). Jul 2009. 5pp.

e-Print: [arXiv:0907.0622](https://arxiv.org/abs/0907.0622) [hep-ph]* Cited 1 time

55. **How Precisely Could We Identify WIMPs Model-Independently with Direct Dark Matter Detection Experiments.**

[Manuel Drees](#) ([Bonn U.](#)), [Chung-Lin Shan](#) ([Seoul Natl. U.](#)). Mar 2009. 14pp.

Proceedings of Seventh International Heidelberg Conference on Dark Matter in Astro and Particle Physics (DARK 2009), Christchurch, New Zealand, 18-24 Jan 2009.

e-Print: [arXiv:0903.3300](https://arxiv.org/abs/0903.3300) [hep-ph]* Cited 1 time

56. **The Thermal Abundance of Semi-Relativistic Relics.**

[Manuel Drees](#) ([Bonn U.](#)), [Mitsuru Kakizaki](#) ([Annecy, LAPTH](#)), [Suchita Kulkarni](#) ([Bonn U.](#)). Apr 2009. 23pp.

e-Print: [arXiv:0904.3046](https://arxiv.org/abs/0904.3046) [hep-ph]* Cited 1 time

57. **On the stability of Cosmic String Y-junctions.**

[Neil Bevis](#) ([Imperial Coll., London](#)), [Edmund J. Copeland](#) ([Nottingham U.](#)), [Pierre-Yves Martin](#) ([APC, Paris](#)) & [Guy Moquet](#), [Gustavo Niz](#), [Alkistis Pourtsidou](#), [Paul M. Saffin](#) ([Nottingham U.](#)), [D.A. Steer](#) ([APC, Paris](#)). Apr 2009. 16pp.

e-Print: [arXiv:0904.2127](https://arxiv.org/abs/0904.2127) [hep-th] Cited 2 times

58. **Cosmological Perturbations in Horava-Lifshitz Gravity.**

[Xian Gao](#), [Yi Wang](#) ([Beijing, KITPC](#)), [R. Brandenberger](#) ([McGill U.](#) & [CERN](#)), [A. Riotto](#) ([CERN](#) & [INFN, Padua](#)). May 2009. 17pp.

e-Print: [arXiv:0905.3821](https://arxiv.org/abs/0905.3821) [hep-th] Cited 27 times

Other publications by UniverseNet members – in refereed journals

59. **Big-Bang Nucleosynthesis and Gravitino.**

[Masahiro Kawasaki](#) ([Tokyo U., ICRR & Tokyo U., IPMU](#)), [Kazunori Kohri](#) ([Lancaster U.](#)), [Takeo Moroi](#), [Akira Yotsuyanagi](#) ([Tohoku U.](#)). Apr 2008. 27pp.

Published in **Phys.Rev.D78:065011,2008**.

e-Print: [arXiv:0804.3745](https://arxiv.org/abs/0804.3745) [hep-ph]* Cited 47 times

60. **Big-bang nucleosynthesis and the relic abundance of dark matter in a stau-neutralino coannihilation scenario.**

[Toshifumi Jittoh](#) ([Saitama U.](#)), [Kazunori Kohri](#) ([Lancaster U.](#)), [Masafumi Koike](#), [Joe Sato](#) ([Saitama U.](#)), [Takashi Shimomura](#) ([Valencia U. & Valencia U., IFIC](#)), [Masato Yamanaka](#) ([Saitama U.](#)). May 2008. 9pp.

Published in **Phys.Rev.D78:055007,2008**.

e-Print: [arXiv:0805.3389](https://arxiv.org/abs/0805.3389) [hep-ph]* Cited 10 times

61. **Large hierarchies from approximate R symmetries.**

[Rolf Kappl](#) ([Munich, Tech. U.](#)), [Hans Peter Nilles](#) ([Bonn U.](#)), [Saul Ramos-Sanchez](#) ([DESY](#)), [Michael Ratz](#), [Kai Schmidt-Hoberg](#) ([Munich, Tech. U.](#)), [Patrick K.S. Vaudrevange](#) ([ASC, Munich](#)). Dec 2008. 4pp.

Published in **Phys.Rev.Lett.102:121602,2009**. e-Print: [arXiv:0812.2120](https://arxiv.org/abs/0812.2120) [hep-th]* Cited 4 times

62. **Tachyonic decay of unstable Dirichlet branes.**
[William Nelson](#), [Mairi Sakellariadou](#) ([King's Coll. London](#)). Sep 2008. 11pp.
 Published in **Phys.Rev.D78:104012,2008**. e-Print: [arXiv:0809.3958](#) [hep-th]* Cited **2 times**
63. **Space-time dimensionality from brane collisions.**
[William Nelson](#), [Mairi Sakellariadou](#) ([King's Coll. London](#)). Oct 2008. 4pp.
 Published in **Phys.Lett.B674:210,2009**. e-Print: [arXiv:0810.0363](#) [hep-th]* Cited **2 times**
64. **Coherent neutral current neutrino-nucleus scattering at a spallation source: A valuable experimental probe.**
[J.D. Vergados](#) ([Ioannina U.](#) & [CERN](#)), [F.T. Avignone, III](#) ([South Carolina U.](#)), [I. Giomataris](#) ([DAPNIA, Saclay](#)). Feb 2009. 15pp.
 Published in **Phys.Rev.D79:113001,2009**. e-Print: [arXiv:0902.1055](#) [hep-ph]*
65. **Positron/Gamma-Ray Signatures of Dark Matter Annihilation and Big-Bang Nucleosynthesis.**
[Junji Hisano](#), [Masahiro Kawasaki](#) ([Tokyo U.](#), [ICRR](#) & [Tokyo U.](#), [IPMU](#)), [Kazunori Kohri](#) ([Lancaster U.](#)), [Kazunori Nakayama](#) ([Tokyo U.](#), [ICRR](#)). Oct 2008. 4pp.
 Published in **Phys.Rev.D79:063514,2009**. e-Print: [arXiv:0810.1892](#) [hep-ph]* Cited **21 times**
66. **X-Ray Observation of Very High Energy Gamma-Ray Source, HESS J1745-303, with Suzaku.**
[Aya Bamba](#), [Ryo Yamazaki](#), [Kazunori Kohri](#) ([Lancaster U.](#)), [Hironori Matsumoto](#), [Stefan Wagner](#), [Gerd Puehlhofer](#), [Karl Kosack](#). Oct 2008. 18pp.
 Published in **Astrophys.J.691:1854-1861,2009**. e-Print: [arXiv:0810.1594](#) [astro-ph]* Cited **2 times**
67. **(Non-)Abelian discrete anomalies.**
[Takeshi Araki](#) ([Kanazawa U.](#), [Inst. Theor. Phys.](#)), [Tatsuo Kobayashi](#) ([Kyoto U.](#)), [Jisuke Kubo](#) ([Kanazawa U.](#), [Inst. Theor. Phys.](#)), [Saul Ramos-Sanchez](#) ([Bonn U.](#)), [Michael Ratz](#) ([Munich, Tech. U.](#)), [Patrick K.S. Vaudrevange](#) ([Bonn U.](#)). May 2008. 32pp.
 Published in **Nucl.Phys.B805:124,2008**. e-Print: [arXiv:0805.0207](#) [hep-th]* Cited **12 times**
68. **Axions and Anomaly-Mediated Interactions: The Green-Schwarz and Wess-Zumino Vertices at Higher Orders and $g-2$ of the muon.**
[Roberta Armillis](#), [Claudio Coriano](#), [Marco Guzzi](#), [Simone Morelli](#) ([INFN, Lecce](#)). Aug 2008.
 Published in **JHEP 0810:034,2008**. e-Print: [arXiv:0808.1882](#) [hep-ph]* Cited **5 times**
69. **Loop Quantum Cosmology corrections to inflationary models.**
[Michal Artymowski](#), [Zygmunt Lalak](#), [Lukasz Szulc](#) ([Warsaw U.](#)). Jul 2008. 16 pp.
 Published in **JCAP 0901:004,2009**. e-Print: [arXiv:0807.0160](#) [gr-qc]* Cited **5 times**
70. **Non-Abelian structures in compactifications of M-theory on seven-manifolds with SU(3) structure.**
[Ofer Aharony](#), [Micha Berkooz](#) ([Weizmann Inst.](#)), [Jan Louis](#) ([Hamburg U.](#), [Inst. Theor. Phys. II](#) & [ZMP, Hamburg](#)), [Andrei Micu](#) ([Bonn U.](#)). Jun 2008. 35pp.
 Published in **JHEP 0809:108,2008**. e-Print: [arXiv:0806.1051](#) [hep-th]* Cited **5 times**
71. **Non-perturbative time-dependent String Backgrounds and Axion-induced Optical Activity.**
[Jean Alexandre](#), [Nick E. Mavromatos](#), [Dylan Tanner](#) ([King's Coll. London](#)). Apr 2008. 12pp
 Published in **Phys.Rev.D78:066001,2008**. e-Print: [arXiv:0804.2353](#) [hep-th]*
72. **Constraining DM properties with SPI.**
[Alexey Boyarsky](#) ([CERN](#)), [Denys Malyshev](#) ([BITP, Kiev](#) & [Dublin Inst.](#)), [Andrey Neronov](#) ([ISDC, Versoix](#) & [Geneva Observ.](#)), [Oleg Ruchayskiy](#) ([IPT, Lausanne](#)). Oct 2007.

Published in **Mon.Not.Roy.Astron.Soc.387:1345,2008**. e-Print: [arXiv:0710.4922](https://arxiv.org/abs/0710.4922) [astro-ph]* Cited **15 times**

73. **New Physics at the LHC: A Les Houches Report. Physics at TeV Colliders 2007**
[G. Brooijmans](#), [C. Grojean \(CERN\) et al.](#) Feb 2008. 127 pp.
Published in *Les Houches 2007, Physics at TeV colliders* 363-489, e-Print: [arXiv:0802.3715](https://arxiv.org/abs/0802.3715) [hep-ph]
Cited **19 times**
74. **Preheating after N-flation.**
[Diana Battefeld](#), [Shinsuke Kawai \(Helsinki Inst. of Phys.\)](#). Mar 2008. 14pp.
Published in **Phys.Rev.D77:123507,2008**. e-Print: [arXiv:0803.0321](https://arxiv.org/abs/0803.0321) [astro-ph]* Cited **6 times**
75. **Staggered Multi-Field Inflation.**
[Diana Battefeld \(Helsinki Inst. of Phys.\)](#), [Thorsten Battefeld \(Princeton U.\)](#), [Anne-Christine Davis \(Cambridge U., DAMTP\)](#). Jun 2008. 29pp.
Published in **JCAP 0810:032,2008**. e-Print: [arXiv:0806.1953](https://arxiv.org/abs/0806.1953) [hep-th]* Cited **12 times**
76. **Testing GRBs as Standard Candles.**
[S. Basilakos](#), [L. Perivolaropoulos \(Ioannina U.\)](#). May 2008.
Published in **Mon.Not.Roy.Astron.Soc.391:411,2008**. e-Print: [arXiv:0805.0875](https://arxiv.org/abs/0805.0875) [astro-ph]* Cited **12 times**
77. **Ultra-hard fluid and scalar field in the Kerr-Newman metric.**
[E. Babichev \(APC, Paris & Moscow, INR\)](#), [S. Chernov \(Moscow, INR & Lebedev Inst.\)](#), [V. Dokuchaev](#), [Yu. Eroshenko \(Moscow, INR\)](#). Jul 2008. 9pp.
Published in **Phys.Rev.D78:104027,2008**. e-Print: [arXiv:0807.0449](https://arxiv.org/abs/0807.0449) [gr-qc]* Cited **5 times**
78. **Enlarging mSUGRA parameter space by decreasing pre-BBN Hubble rate in Scalar-Tensor Cosmologies.**
[Riccardo Catena \(SISSA, Trieste\)](#), [Nicolao Fornengo \(Turin U. & INFN, Turin\)](#), [Antonio Masiero \(Padua U. & INFN, Padua\)](#), [Massimo Pietroni \(INFN, Padua\)](#), [Mia Schelke \(Turin U.\)](#). Dec 2007. 10pp.
Published in **JHEP 0810:003,2008**. e-Print: [arXiv:0712.3173](https://arxiv.org/abs/0712.3173) [hep-ph] Cited **2 times**
79. **Density Perturbations in the Universe from Massive Vector Fields.**
[Konstantinos Dimopoulos \(Lancaster U.\)](#). Sep 2007. 4pp.
Published in **AIP Conf.Proc.957:387,2007**. e-Print: [arXiv:0709.1109](https://arxiv.org/abs/0709.1109) [hep-th]*
80. **Dynamics of Non-renormalizable Electroweak Symmetry Breaking.**
[Cedric Delaunay](#), [Christophe Grojean \(CERN & Saclay, SPHT\)](#), [James D. Wells \(CERN & Michigan U., MCTP\)](#). Nov 2007. 32pp.
Published in **JHEP 0804:029,2008**. e-Print: [arXiv:0711.2511](https://arxiv.org/abs/0711.2511) [hep-ph]* Cited **16 times**
81. **Gravity Cutoff in Theories with Large Discrete Symmetries.**
[Gia Dvali \(CERN & CCPP, New York\)](#), [Michele Redi \(ITPP, Lausanne\)](#), [Sergey Sibiryakov \(CERN & Moscow, INR\)](#), [Arkady Vainshtein \(CERN & Minnesota U., Theor. Phys. Inst.\)](#). Apr 2008. 10pp.
Published in **Phys.Rev.Lett.101:151603,2008**. e-Print: [arXiv:0804.0769](https://arxiv.org/abs/0804.0769) [hep-th]* Cited **5 times**
82. **Neutrino masses in the Lee-Wick standard model.**
[Jose Ramon Espinosa \(Madrid, IFT & Madrid, Autonoma U.\)](#), [Benjamin Grinstein \(UC, San Diego\)](#), [Donal O'Connell](#), [Mark B. Wise \(Caltech\)](#). May 2007. 7pp.
Published in **Phys.Rev.D77:085002,2008**. e-Print: [arXiv:0705.1188](https://arxiv.org/abs/0705.1188) [hep-ph]* Cited **21 times**

83. **Neutrinos, Axions and Conformal Symmetry.**
[Krzysztof A. Meissner](#) ([Warsaw U.](#)), [Hermann Nicolai](#) ([Potsdam, Max Planck Inst.](#)). Mar 2008. 4pp.
Published in *Eur.Phys.J.C57:493,2008*. e-Print: [arXiv:0803.2814](#) [hep-th]* Cited **2 times**
84. **On the divergences of inflationary superhorizon perturbations.**
[K. Enqvist](#), [S. Nurmi](#), [D. Podolsky](#), [G.I. Rigopoulos](#) ([Helsinki Inst. of Phys.](#)). Feb 2008. 12pp.
Published in *JCAP 0804:025,2008*. e-Print: [arXiv:0802.0395](#) [astro-ph]* Cited **17 times**
85. **Parametric Decay of the Curvaton.**
[K. Enqvist](#), [S. Nurmi](#), [G.I. Rigopoulos](#) ([Helsinki Inst. of Phys.](#)). Jul 2008. 9pp.
Published in *JCAP 0810:013,2008*. e-Print: [arXiv:0807.0382](#) [astro-ph]* Cited **3 times**
86. **Signatures of non-gaussianity in the curvaton Model.**
[Kari Enqvist](#), [Tomo Takahashi](#) ([Helsinki Inst. of Phys.](#)). Jul 2008. 10pp.
Published in *JCAP 0809:012,2008*. e-Print: [arXiv:0807.3069](#) [astro-ph] Cited **17 times**
87. **Some Cosmological Implications of Hidden Sectors.**
[J.R. Espinosa](#), [T. Konstandin](#), [J.M. No](#), [M. Quiros](#) ([Barcelona, IFAE](#)). Sep 2008. 23pp.
Published in *Phys.Rev.D78:123528,2008*. e-Print: [arXiv:0809.3215](#) [hep-ph]* Cited **4 times**
88. **Scattering of massive W bosons into gravitinos and tree unitarity in broken supergravity.**
[Andrea Ferrantelli](#) ([Helsinki Inst. of Phys.](#) & [Helsinki U.](#)). Dec 2007. 25pp.
Published in *JHEP 0901:070,2009*. e-Print: [arXiv:0712.2171](#) [hep-ph]* Cited **1 time**
89. **U(1) mediation of flux supersymmetry breaking.**
[Thomas W. Grimm](#), [Albrecht Klemm](#) ([Bonn U.](#) & [Wisconsin U., Madison](#)). May 2008. 63pp.
Published in *JHEP 0810:077,2008*. e-Print: [arXiv:0805.3361](#) [hep-th]* Cited **10 times**
90. **Sizable CP Violation in the Bosonized Standard Model.**
[Andres Hernandez](#), [Thomas Konstandin](#) ([Barcelona, IFAE](#)), [Michael G. Schmidt](#). Oct 2008. 15pp.
Published in *Nucl.Phys.B812:290,2009*. e-Print: [arXiv:0810.4092](#) [hep-ph]* Cited **3 times**
91. **N-point functions in rolling tachyon background.**
[Niko Jokela](#) ([Helsinki Inst. of Phys.](#) & [Helsinki U.](#)), [Matti Jarvinen](#) ([Odense U.](#)), [Esko Keski-Vakkuri](#) ([Helsinki Inst. of Phys.](#) & [Helsinki U.](#)). Jun 2008. 26 pp.
Published in *Phys.Rev.D79:086013,2009*. e-Print: [arXiv:0806.1491](#) [hep-th]* Cited **3 times**
92. **Three Dimensional Quantum Geometry and Deformed Poincare Symmetry.**
[E. Joung](#), [J. Mourad](#) ([APC, Paris](#)), [K. Noui](#) ([Tours U., CNRS](#)). Jun 2008. 37pp.
Published in *J.Math.Phys.50:052503,2009*. e-Print: [arXiv:0806.4121](#) [hep-th]* Cited **6 times**
93. **Black hole formation and slow-roll inflation.**
[Kazunori Kohri](#), [David H. Lyth](#) ([Lancaster U.](#)), [Alessandro Melchiorri](#) ([Rome U.](#)). Nov 2007. 11pp.
Published in *JCAP 0804:038,2008*. e-Print: [arXiv:0711.5006](#) [hep-ph]* Cited **10 times**
94. **Supersymmetry breaking in ISS coupled to gravity.**
[Z. Lalak](#), [O.J. Eyton-Williams](#) ([Warsaw U.](#)). Jul 2008. 11pp.
Published in *JHEP 0903:147,2009*. e-Print: [arXiv:0807.4120](#) [hep-th]* Cited **2 times**
95. **Anatomy and Phenomenology of the Lepton Flavor Universality in SUSY Theories.**
[A. Masiero](#) ([Padua U. & INFN, Padua](#)), [P. Paradisi](#) ([Munich, Tech. U.](#)), [R. Petronzio](#) ([Rome U., Tor Vergata & INFN, Rome2](#)). Jul 2008. 26pp.

Published in **JHEP 0811:042,2008**. e-Print: [arXiv:0807.4721](https://arxiv.org/abs/0807.4721) [hep-ph] Cited **5 times**

96. **Type-II Seesaw at collider, lepton asymmetry and singlet scalar dark matter.**
[John McDonald](#), [Narendra Sahu](#) ([Lancaster U.](#)), [Utpal Sarkar](#) ([Ahmedabad, Phys. Res. Lab.](#)). Nov 2007. 7pp.
Published in **JCAP 0804:037,2008**. e-Print: [arXiv:0711.4820](https://arxiv.org/abs/0711.4820) [hep-ph]* Cited **13 times**
97. **From strings to the MSSM.**
[Hans Peter Nilles](#), [Saul Ramos-Sanchez](#) ([Bonn U.](#)), [Michael Ratz](#) ([Munich, Tech. U.](#)), [Patrick K.S. Vaudrevange](#) ([Bonn U.](#)). TUM-HEP-690-08, Jun 2008. 21pp.
Published in **Eur.Phys.J.C59:249,2009**. e-Print: [arXiv:0806.3905](https://arxiv.org/abs/0806.3905) [hep-th]* Cited **15 times**
98. **Space-time dimensionality from brane collisions.**
[William Nelson](#), [Mairi Sakellariadou](#) ([King's Coll. London](#)). Oct 2008. 4pp.
Published in **Phys.Lett.B674:210,2009**. e-Print: [arXiv:0810.0363](https://arxiv.org/abs/0810.0363) [hep-th]* Cited **2 times**
99. **Eternal inflation and localization on the landscape.**
[D. Podolsky](#) ([Helsinki Inst. of Phys.](#)), [K. Enqvist](#) ([Helsinki Inst. of Phys.](#) & [Helsinki U.](#)). Apr 2007. 4pp.
Published in **JCAP 0902:007,2009**. e-Print: [arXiv:0704.0144](https://arxiv.org/abs/0704.0144) [hep-th]* Cited **20 times**
100. **Cosmic Superstrings.**
[Mairi Sakellariadou](#) ([King's Coll. London](#)). Feb 2008. 16pp.
Published in **Phil.Trans.Roy.Soc.Lond.A366:2881,2008**. e-Print: [arXiv:0802.3379](https://arxiv.org/abs/0802.3379) [hep-th]* Cited **10 times**
101. **The Impact of priors and observables on parameter inferences in the Constrained MSSM.**
[Roberto Trotta](#) ([Imperial Coll., London](#) & [Oxford U.](#)), [Farhan Feroz](#), [Mike P. Hobson](#) ([Cambridge U.](#)), [Leszek Roszkowski](#) ([Sheffield U.](#)), [Roberto Ruiz de Austri](#) ([Madrid, Autonoma U.](#) & [IFT](#)). Sep 2008. 42pp.
Published in **JHEP 0812:024,2008**. e-Print: [arXiv:0809.3792](https://arxiv.org/abs/0809.3792) [hep-ph]* Cited **15 times**
102. **Can Solar Neutrinos be a Serious Background in Direct Dark Matter Searches?**
[J.D. Vergados](#) ([Cyprus U.](#) & [Ioannina U.](#)), [H. Ejiri](#) ([Osaka U., Res. Ctr. Nucl. Phys.](#) & [NIRS, Chiba](#) & [Prague, Tech. U.](#)). May 2008. 15pp.
Published in **Nucl.Phys.B804:144,2008**. e-Print: [arXiv:0805.2583](https://arxiv.org/abs/0805.2583) [hep-ph]* Cited **4 times**
103. **Effects of Prior Assumptions on Bayesian Estimates of Inflation Parameters, and the expected Gravitational Waves Signal from Inflation.**
[Wessel Valkenburg](#), [Lawrence M. Krauss](#), [Jan Hamann](#) ([Annecy, LAPTH](#)). LAPTH-1247-08, Apr 2008. 7pp.
Published in **Phys.Rev.D78:063521,2008**. e-Print: [arXiv:0804.3390](https://arxiv.org/abs/0804.3390) [astro-ph]* Cited **6 times**
104. **How much of the inflaton potential do we see?**
[Wessel Valkenburg](#) ([Annecy, LAPTH](#)). LAPTH-CONF-1205-07, Aug 2007. 5pp.
Published in **PoS CARGESE2007:018,2007**. e-Print: [arXiv:0708.3849](https://arxiv.org/abs/0708.3849) [astro-ph]*
105. **How precisely neutrino emission from supernova remnants can be constrained by gamma ray observations?**
[F.L. Villante](#) ([Ferrara U.](#) & [INFN, Ferrara](#)), [F. Vissani](#) ([Gran Sasso](#)). Jul 2008. 20pp.
Published in **Phys.Rev.D78:103007,2008**. e-Print: [arXiv:0807.4151](https://arxiv.org/abs/0807.4151) [astro-ph]*
106. **A Way to Dynamically Overcome the Cosmological Constant Problem.**
[Denis Comelli](#) ([INFN, Ferrara](#)). Apr 2007. 5pp.
Published in **Int.J.Mod.Phys.A23:4133-4143,2008**. e-Print: [arXiv:0704.1802](https://arxiv.org/abs/0704.1802) [gr-qc] Cited **3 times**

107. **Exact Spherically Symmetric Solutions in Massive Gravity.**
Z. Berezhiani (L'Aquila U. & Gran Sasso) , D. Comelli (INFN, Ferrara) , F. Nesti, L. Pilo (L'Aquila U. & Gran Sasso) . Mar 2008. 20pp.
Published in JHEP 0807:130,2008. e-Print: [arXiv:0803.1687](https://arxiv.org/abs/0803.1687) [hep-th] Cited 10 times
108. **Tachyon-Dilaton-induced Inflation as an alpha-prime-resummed String Background.**
Jean Alexandre, Anna Kostouki, Nick E. Mavromatos (King's Coll. London) . Nov 2008. 35pp.
Published in JHEP 0903:022,2009. e-Print: [arXiv:0811.4607](https://arxiv.org/abs/0811.4607) [hep-th] Cited 2 times
109. **Tachyon-Dilaton driven Inflation as an alpha-prime - non-perturbative solution in First Quantized String Cosmology.**
Anna Kostouki (King's Coll. London) . May 2009. 10pp.
Published in J.Phys.Conf.Ser.171:012030,2009. e-Print: [arXiv:0905.2552](https://arxiv.org/abs/0905.2552) [hep-th]*
110. **Multi-Field Inflation on the Landscape.**
Diana Battefeld (Helsinki Inst. of Phys. & APC, Paris) , Thorsten Battefeld (Princeton U.). Dec 2008. 28pp.
Published in JCAP 0903:027,2009. e-Print: [arXiv:0812.0367](https://arxiv.org/abs/0812.0367) [hep-th]* Cited 7 times
111. **The Baryogenesis Window in the MSSM.**
M. Carena (Fermilab & Chicago U., EFI & KICP, Chicago) , G. Nardini (Barcelona, IFAE) , M. Quiros (Barcelona, IFAE & Barcelona, Inst. Estudis Catalans & CERN) , C.E.M. Wagner (Argonne & Chicago U., EFI & KICP, Chicago & Chicago U.). Sep 2008. 26pp.
Published in Nucl.Phys.B812:243,2009. e-Print: [arXiv:0809.3760](https://arxiv.org/abs/0809.3760) [hep-ph]* Cited 12 times
112. **Dirac Versus Majorana Neutrino Masses From a TeV Interval.**
D. Diego (Barcelona, IFAE) , M. Quiros (Barcelona, IEC & Barcelona, IFAE). Apr 2008. 26pp.
Published in Nucl.Phys.B805:148,2008. e-Print: [arXiv:0804.2838](https://arxiv.org/abs/0804.2838) [hep-ph]* Cited 2 times
113. **Gravitational Wave Production by Collisions: More Bubbles.**
Stephan J. Huber (Sussex U.) , Thomas Konstandin (Barcelona, IFAE) . Jun 2008. 15pp.
Published in JCAP 0809:022,2008. e-Print: [arXiv:0806.1828](https://arxiv.org/abs/0806.1828) [hep-ph]* Cited 8 times
114. **CPT Violation and Decoherence in Quantum Gravity.**
Nick E. Mavromatos (King's Coll. London) . Apr 2009. 37pp.
Published in J.Phys.Conf.Ser.171:012007,2009. e-Print: [arXiv:0904.0606](https://arxiv.org/abs/0904.0606) [hep-ph]*
115. **High-Energy gamma-ray Astronomy and String Theory.**
Nick E. Mavromatos . Mar 2009. 34pp.
Published in J.Phys.Conf.Ser.174:012016,2009. e-Print: [arXiv:0903.0318](https://arxiv.org/abs/0903.0318) [astro-ph.HE]* Cited 1 time
116. **Non-extensive statistics in stringy space-time foam models.**
Nick E. Mavromatos, Sarben Sarkar (King's Coll. London) . Dec 2008. 20pp.
Published in Phys.Rev.D79:104015,2009. e-Print: [arXiv:0812.3952](https://arxiv.org/abs/0812.3952) [hep-th]* Cited 6 times
117. **The Omega Effect for Neutral Mesons.**
Sarben Sarkar (King's Coll. London). Apr 2009.
Published in J.Phys.Conf.Ser.171:012040,2009. e-Print: [arXiv:0904.4556](https://arxiv.org/abs/0904.4556) [hep-th]*
118. **Cusps on cosmic superstrings with junctions.**
Anne-Christine Davis (Cambridge U., DAMTP) , William Nelson (King's Coll. London) , Senthooran

- Rajamanoharan (Cambridge U., DAMTP), Mairi Sakellariadou (King's Coll. London). Sep 2008. 22pp.
Published in *JCAP* **0811:022,2008**. e-Print: [arXiv:0809.2263](#) [hep-th]* Cited **2 times**
119. **Anti-deuterons from heavy dark matter.**
Carolyn B. Braeuninger, Marco Cirelli (Saclay). Apr 2009. 17pp.
Published in *Phys.Lett.B* **678:20,2009**. e-Print: [arXiv:0904.1165](#) [hep-ph]* Cited **2 times**
120. **CMB constraints on dark matter models with large annihilation cross-section.**
S. Galli, F. Iocco (Saclay), G. Bertone, A. Melchiorri, May 2009.
Published in *Phys.Rev.D* **80:023505,2009**. e-Print: [arXiv:0905.0003](#) [astro-ph.CO]* Cited **8 times**
121. **WMAP dark matter constraints on Yukawa unification with massive neutrinos.**
M.E. Gomez (Huelva U.), S. Lola, P. Naranjo (Patras U.), J. Rodriguez-Quintero (Huelva U.). Jan 2009.
18pp.
Published in *JHEP* **0904:043,2009**. e-Print: [arXiv:0901.4013](#) [hep-ph]* Cited **4 times**
122. **Effective action of a five-dimensional domain wall.**
Y. Burnier (Bielefeld U.), K. Zuleta (Ioannina U.). Dec 2008. 24pp.
Published in *JHEP* **0905:065,2009**. e-Print: [arXiv:0812.2227](#) [hep-th]*
123. **Newton's constant in $f(R, R_{\mu\nu}R^{\mu\nu})$ theories of gravity and constraints from BBN.**
Savvas Nesseris, Anupam Mazumdar (Bohr Inst.). Feb 2009. 6pp.
Published in *Phys.Rev.D* **79:104006,2009**. e-Print: [arXiv:0902.1185](#) [astro-ph.CO]*
124. **Matter density perturbations in modified gravity models with arbitrary coupling between matter and geometry.**
Savvas Nesseris (Bohr Inst.). Nov 2008. 9pp.
Published in *Phys.Rev.D* **79:044015,2009**. e-Print: [arXiv:0811.4292](#) [astro-ph]*
125. **Stau detection at neutrino telescopes in scenarios with supersymmetric dark matter.**
Beatriz Canadas (Madrid, Autonoma U. & Madrid, IFT & INFN, Rome), David G. Cerdeno, Carlos Munoz (Madrid, Autonoma U. & Madrid, IFT), Sukanta Panda (Madrid, Autonoma U. & Madrid, IFT & Indian Inst. Tech., Kanpur). Dec 2008. 25pp.
Published in *JCAP* **0904:028,2009**. e-Print: [arXiv:0812.1067](#) [hep-ph]*
126. **Analysis of the parameter space and spectrum of the μ ν SSM.**
Nicolas Escudero (Madrid, Autonoma U. & Madrid, IFT), Daniel E. Lopez-Fogliani (Sheffield U.), Carlos Munoz, Roberto Ruiz de Austri (Madrid, Autonoma U. & Madrid, IFT). Oct 2008. 39pp.
Published in *JHEP* **0812:099,2008**. e-Print: [arXiv:0810.1507](#) [hep-ph]*
127. **Induced cosmological constant and other features of asymmetric brane embedding.**
Yuri Shtanov, Varun Sahni, Arman Shafieloo (Oxford U.), Alexey Toporensky. Jan 2009. 15pp.
Published in *JCAP* **0904:023,2009**. e-Print: [arXiv:0901.3074](#) [gr-qc]*
128. **The Vainshtein mechanism in the Decoupling Limit of massive gravity.**
E. Babichev, C. Deffayet, R. Ziour (APC, Paris). Jan 2009. 50pp.
Published in *JHEP* **0905:098,2009**. e-Print: [arXiv:0901.0393](#) [hep-th]*

129. **Perturbative Reheating and Gravitino Production in Inflationary Models.**
[Raghavan Rangarajan](#) ([Ahmedabad, Phys. Res. Lab](#)) , [Narendra Sahu](#) ([Lancaster U.](#)) . Nov 2008. 7pp.
Published in **Phys.Rev.D79:103534,2009**. e-Print: [arXiv:0811.1866](#) [hep-ph]
130. **Neutralino Dark Matter in an SO(10) Model with Two-step Intermediate Scale Symmetry Breaking.**
[Manuel Drees](#), [Ju Min Kim](#) ([Bonn U.](#)) . Oct 2008. 33pp.
Published in **JHEP 0812:095,2008**. e-Print: [arXiv:0810.1875](#) [hep-ph] Cited **1 time**
131. **Fixing D7 Brane Positions by F-Theory Fluxes.**
[Andreas P. Braun](#), [Arthur Hebecker](#) ([Heidelberg U.](#)) , [Christoph Ludeling](#) ([Heidelberg U.](#) & [Bonn U.](#)) ,
[Roberto Valandro](#) ([Heidelberg U.](#)). Nov 2008. 40pp.
Published in **Nucl.Phys.B815:256,2009**. e-Print: [arXiv:0811.2416](#) [hep-th] Cited **9 times**
132. **The D5-brane effective action and superpotential in N=1 compactifications.**
[Thomas W. Grimm](#), [Tae-Won Ha](#), [Albrecht Klemm](#), [Denis Klevers](#) ([Bonn U.](#)). Nov 2008. 52pp.
Published in **Nucl.Phys.B816:139,2009**. e-Print: [arXiv:0811.2996](#) [hep-th] Cited **8 times**
133. **Cosmological perturbations from multi-field inflation.**
[David Langlois](#) ([APC, Paris](#)). Sep 2008.
Published in **J.Phys.Conf.Ser.140:012004,2008**. e-Print: [arXiv:0809.2540](#) [astro-ph] Cited **2 times**
134. **Multi-field DBI inflation: Introducing bulk forms and revisiting the gravitational wave constraints.**
[David Langlois](#) ([APC, Paris](#) & [Paris Observ.](#)) , [Sebastien Renaux-Petel](#), [Daniele A. Steer](#) ([APC, Paris](#)) . Feb 2009. 22pp.
Published in **JCAP 0904:021,2009**. e-Print: [arXiv:0902.2941](#) [hep-th] Cited **9 times**
135. **Unconstrained Higher Spins of Mixed Symmetry. I. Bose Fields.**
[Andrea Campoleoni](#), [Dario Francia](#), [Jihad Mourad](#), [Augusto Sagnotti](#) ([APC, Paris](#)). Oct 2008. 82pp.
Published in **Nucl.Phys.B815:289,2009**. e-Print: [arXiv:0810.4350](#) [hep-th] Cited **16 times**
136. **On higher spin interactions with matter.**
[Xavier Bekaert](#) ([Tours U., CNRS](#)) , [Euihun Joung](#), [Jihad Mourad](#) ([APC, Paris](#)) . Mar 2009. 29pp.
Published in **JHEP 0905:126,2009**. e-Print: [arXiv:0903.3338](#) [hep-th] Cited **2 times**
137. **Improved Holographic Yang-Mills at Finite Temperature: Comparison with Data.**
[U. Gursoy](#) ([Utrecht U.](#)) , [E. Kiritsis](#) ([Crete U.](#)) , [L. Mazzanti](#) ([Ecole Polytechnique, CPH](#)) , [F. Nitti](#) ([APC, Paris](#)) . Mar 2009. 36pp.
Published in **Nucl.Phys.B820:148,2009**. e-Print: [arXiv:0903.2859](#) [hep-th] Cited **5 times**
138. **Gravitational waves in vector inflation.**
[Alexey Golovnev](#), [Viatcheslav Mukhanov](#), [Vitaly Vanchurin](#) ([ASC, Munich](#)) . Oct 2008. 6pp.
Published in **JCAP 0811:018,2008**. e-Print: [arXiv:0810.4304](#) [astro-ph] Cited **8 times**
139. **Optimising Boltzmann codes for the Planck era.**
[Jan Hamann](#), [Amedeo Balbi](#), [Julien Lesgourgues](#), [Claudia Quercellini](#) . LAPTH-1317-09, Mar 2009. 13pp.
Published in **JCAP 0904:011,2009**. e-Print: [arXiv:0903.0382](#) [astro-ph.CO]
140. **Cosmological constraints on a light non-thermal sterile neutrino.**
[Mario A. Acero](#), [Julien Lesgourgues](#) ([Turin U.](#) & [INFN, Turin](#) & [Annecy, LAPTH](#)). Dec 2008. 18pp.
Published in **Phys.Rev.D79:045026,2009**. e-Print: [arXiv:0812.2249](#) [astro-ph]* Cited **3 times**

141. **Constraints on WIMP Dark Matter from the High Energy PAMELA \bar{p}/p data.**
[F. Donato](#) (INFN, Turin) , [D. Maurin](#) (Paris U., VI-VII) , [P. Brun](#) (DAPNIA, Saclay) , [T. Delahaye](#), [P. Salati](#) (Savoie U.). Oct 2008. 5pp.
Published in **Phys.Rev.Lett.**102:071301,2009. e-Print: [arXiv:0810.5292](#) [astro-ph] Cited **59 times**
142. **Clarifying the covariant formalism for the SZ effect due to relativistic non-thermal electrons.**
[Celine Boehm](#) (Annecy, LAPTH) , [Julien Laval](#) (Turin U. & INFN, Turin) . DFTT-22-2008, Dec 2008. 13pp.
Published in **Phys.Rev.D**79:083505,2009. e-Print: [arXiv:0812.3282](#) [astro-ph] Cited **3 times**
143. **Swiss Cheese and a Cheesy CMB.**
[Wessel Valkenburg](#) (Annecy, LAPTH). Feb 2009. 22pp.
Published in **JCAP** 0906:010,2009. e-Print: [arXiv:0902.4698](#) [astro-ph.CO]*
144. **Dark Halo or Bigravity?**
[Nicola Rossi](#) . Feb 2009. 6pp.
Published in **Eur.Phys.J.ST** 163:291-296,2008. e-Print: [arXiv:0902.0072](#) [astro-ph.CO]* Cited **1 time**
145. **Gravity Modification with Yukawa-type Potential: Dark Matter and Mirror Gravity.**
[Zurab Berezhiani](#), [Fabrizio Nesti](#), [Luigi Pilo](#), [Nicola Rossi](#) (L'Aquila U. & Gran Sasso) . Feb 2009. 19pp.
Published in **JHEP** 0907:083,2009. e-Print: [arXiv:0902.0144](#) [hep-th]* Cited **3 times**
146. **Improved analysis of SN1987A antineutrino events.**
[G. Pagliaroli](#), [F. Vissani](#), [M.L. Costantini](#), [A. Ianni](#) (Gran Sasso). LNGS-TH-01-08, Oct 2008. 15pp.
Published in **Astropart.Phys.**31:163,2009. e-Print: [arXiv:0810.0466](#) [astro-ph]* Cited **1 time**
147. **Features of Kamiokande-II, IMB and Baksan observations and their interpretation in a two-component model for the signal.**
[Giulia Pagliaroli](#), [Francesco Vissani](#) (Gran Sasso).. Oct 2008. 5pp.
Published in **Astron.Lett.**35:1-6,2009. e-Print: [arXiv:0810.0456](#) [astro-ph]* Cited **1 time**
148. **Volume modulus inflection point inflation and the gravitino mass problem.**
[Marcin Badziak](#), [Marek Olechowski](#) (Warsaw U.). Oct 2008. 27pp.
Published in **JCAP** 0902:010,2009. e-Print: [arXiv:0810.4251](#) [hep-th] Cited **4 times**
149. **Gauge Symmetry Breaking in a Throat Geometry.**
[Jacek Pawelczyk](#) (Warsaw U.). Feb 2008. 16pp.
Published in **Mod.Phys.Lett.**A23:3215,2008. e-Print: [arXiv:0802.0468](#) [hep-th]
150. **CMB anisotropies at second order III: bispectrum from products of the first-order perturbations.**
[Daisuke Nitta](#), [Eiichiro Komatsu](#), [Nicola Bartolo](#), [Sabino Matarrese](#), [Antonio Riotto](#) (INFN, Padua). Mar 2009. 22pp.
Published in **JCAP** 0905:014,2009. e-Print: [arXiv:0903.0894](#) [astro-ph.CO] Cited **6 times**
151. **On the non-Gaussianity from Recombination.**
[Nicola Bartolo](#), [Antonio Riotto](#) (INFN, Padua). Nov 2008. 11pp.
Published in **JCAP** 0903:017,2009. e-Print: [arXiv:0811.4584](#) [astro-ph] Cited **7 times**
152. **A Case of Subdominant/Suppressed 'High Energy' Contribution to the Baryon Asymmetry of the Universe in Flavoured Leptogenesis.**
[E. Molinaro](#) (SISSA, Trieste & INFN, Trieste) , [S.T. Petcov](#) (SISSA, Trieste & INFN, Trieste & Tokyo U.,

[IPMU](#)) . Aug 2008. 7pp.

Published in **Phys.Lett.B671:602009**. e-Print: [arXiv:0808.3534](#) [hep-ph]* Cited **6 times**

153. The Interplay Between the 'Low' and 'High' Energy CP-Violation in Leptogenesis.

[E. Molinaro](#) ([SISSA, Trieste](#) & [INFN, Trieste](#)) , [S.T. Petcov](#) ([SISSA, Trieste](#) & [INFN, Trieste](#) & [Tokyo U.](#) & [Sofiya, Inst. Nucl. Res.](#)) . SISSA-11-2008-EP, IPMU-08-0013, Apr 2009. 35pp.

Published in **Eur.Phys.J.C61:93,2009**. e-Print: [arXiv:0803.4120](#) [hep-ph] Cited **8 times**

154. Intermediate mass scales in the non-supersymmetric SO(10) grand unification: A Reappraisal.

[Stefano Bertolini](#), [Luca Di Luzio](#) ([INFN, Trieste](#) & [SISSA, Trieste](#)) , [Michal Malinsky](#) ([Royal Inst. Tech., Stockholm](#)) . Mar 2009. 22pp.

Published in **Phys.Rev.D80:015013,2009**. e-Print: [arXiv:0903.4049](#) [hep-ph] Cited **2 times**

155. Hierarchical Soft Terms and Flavor Physics.

[Gian F. Giudice](#), [Marco Nardecchia](#), [Andrea Romanino](#) ([SISSA, Trieste](#)) . Dec 2008.

Published in **Nucl.Phys.B813:156,2009**. e-Print: [arXiv:0812.3610](#) [hep-ph] Cited **4 times**

156. Gauge coupling unification, the GUT scale, and magic fields.

[L. Calibbi](#), [L. Ferretti](#), [A. Romanino](#), [R. Ziegler](#) ([SISSA, Trieste](#) & [INFN, Trieste](#)) . Jan 2009. 14pp.

Published in **Phys.Lett.B672:152,2009**. e-Print: [arXiv:0812.0342](#) [hep-ph]* Cited **1 time**

157. The Classical Universes of the No-Boundary Quantum State.

[James B. Hartle](#) ([UC, Santa Barbara](#)) , [S.W. Hawking](#) ([Cambridge U., DAMTP](#)) , [Thomas Hertog](#) ([APC, Paris](#) & [Intl. Solvay Inst., Brussels](#)) . Mar 2008. 46pp.

Published in **Phys.Rev.D77:123537,2008**.

e-Print: [arXiv:0803.1663](#) [hep-th]

158. Dynamical renormalization group methods in theory of eternal inflation.

[Dmitry I. Podolsky](#) ([Helsinki Inst. of Phys.](#)) . HIP-2008-29-TH, Sep 2008. 11pp.

Published in **Grav.Cosmol.15:69,2009**. e-Print: [arXiv:0809.2453](#) [gr-qc]* Cited **4 times**

Other publications by network members – preprints

159. Lattice refinement in loop quantum cosmology.

[Mairi Sakellariadou](#) ([King's Coll. London](#)) . Oct 2008. 17pp.

e-Print: [arXiv:0810.5356](#) [gr-qc]

160. Bayesian approach and Naturalness in MSSM analyses for the LHC.

[M.E. Cabrera](#), [J.A. Casas](#) ([Madrid, IFT](#)) , [R. Ruiz de Austri](#) ([Valencia U., IFIC](#)) . Dec 2008. 20pp.

Published in **JHEP 0903:075,2009**. e-Print: [arXiv:0812.0536](#) [hep-ph]*

161. Dirac Born Infeld (DBI) cosmic strings.

[Eugeny Babichev](#) ([APC, Paris](#) & [Paris Observ.](#)) , [Philippe Brax](#) ([Saclay, SPHT](#) & [Paris, Inst. Astrophys.](#)) , [Chiara Caprini](#) ([Saclay, SPHT](#)) , [Jerome Martin](#), [Daniele Steer](#) ([Paris, Inst. Astrophys.](#)) . Sep 2008. 25pp.

e-Print: [arXiv:0809.2013](#) [hep-th]

162. Collider, direct and indirect detection of supersymmetric dark matter.

[Howard Baer](#), [Eun-Kyung Park](#) ([Bonn U.](#)) , [Xerxes Tata](#). Mar 2009. 28pp.

e-Print: [arXiv:0903.0555](#) [hep-ph]

163. **Natural inflation mechanism in asymptotic noncommutative geometry.**
[William Nelson](#), [Mairi Sakellariadou](#) ([King's Coll. London](#)). Mar 2009. 3pp.
e-Print: [arXiv:0903.1520](#) [hep-th]
164. **SQCD Inflation & SUSY Breaking.**
[Philippe Brax](#), [Carlos A. Savoy](#), [Arunansu Sil](#) ([Saclay](#)). Feb 2009. 15pp.
e-Print: [arXiv:0902.0972](#) [hep-ph]
165. **Slow-Roll Inflation in the Presence of a Dark Energy Coupling.**
[Philippe Brax](#) ([Saclay, SPhT](#)), [Carsten van de Bruck](#), [Lisa M.H. Hall](#), [Joel M. Weller](#) ([Sheffield U.](#)). Dec 2008. 13pp.
e-Print: [arXiv:0812.2843](#) [gr-qc] Cited **1 time**
166. **Effects of dark matter annihilation on the first stars.**
[F. Iocco](#), [A. Bressan](#), [E. Ripamonti](#), [R. Schneider](#), [A. Ferrara](#), [P. Marigo](#) ([INFN, Padua](#)). Sep 2008.
e-Print: [arXiv:0809.2417](#) [astro-ph]
167. **WIMP annihilation effects on primordial star formation.**
[E. Ripamonti](#), [F. Iocco](#) ([Saclay](#)), [A. Bressan](#), [R. Schneider](#), [A. Ferrara](#), [P. Marigo](#) ([INFN, Padua](#)). Mar 2009.
4pp.
e-Print: [arXiv:0903.0346](#) [astro-ph.CO]
168. **Lattice Refining Loop Quantum Cosmology from an Isotropic Embedding of Anisotropic Cosmology.**
[William Nelson](#), [Mairi Sakellariadou](#) ([King's Coll. London](#)). Jun 2009. 15pp.
e-Print: [arXiv:0906.0292](#) [gr-qc]
169. **Diffuse gamma-ray background and cosmic-ray positrons from annihilating dark matter.**
[Masahiro Kawasaki](#), [Kazunori Kohri](#) ([Lancaster U.](#)), [Kazunori Nakayama](#). Apr 2009. 19pp.
e-Print: [arXiv:0904.3626](#) [astro-ph.CO]*
170. **On the generation of the non-gaussian curvature perturbation during preheating in inflationary universe.**
[Kazunori Kohri](#), [David H. Lyth](#) ([Lancaster U.](#)), [Cesar A. Valenzuela-Toledo](#). Apr 2009. 19pp.
e-Print: [arXiv:0904.0793](#) [hep-ph]*
171. **Is the PAMELA anomaly caused by the supernova explosions near the Earth?**
[Yutaka Fujita](#), [Kazunori Kohri](#) ([Lancaster U.](#)), [Ryo Yamazaki](#), [Kunihito Ioka](#) Mar 2009. 4pp.
e-Print: [arXiv:0903.5298](#) [astro-ph.HE]*
172. **Cosmic Rays from Dark Matter Annihilation and Big-Bang Nucleosynthesis.**
[Junji Hisano](#), [Masahiro Kawasaki](#) ([Tokyo U., ICRR & Tokyo U., IPMU](#)), [Kazunori Kohri](#) ([Lancaster U.](#)), [Takeo Moroi](#) ([Tokyo U., IPMU & Tohoku U.](#)), [Kazunori Nakayama](#) ([Tokyo U., ICRR](#)). Jan 2009. 22pp.
e-Print: [arXiv:0901.3582](#) [hep-ph]*
173. **Neutrino Signals from Annihilating/Decaying Dark Matter in the Light of Recent Measurements of Cosmic Ray Electron/Positron Fluxes.**
[Junji Hisano](#), [Masahiro Kawasaki](#) ([Tokyo U., ICRR & Tokyo U., IPMU](#)), [Kazunori Kohri](#) ([Lancaster U.](#)), [Kazunori Nakayama](#) ([Tokyo U., ICRR](#)). Dec 2008. 4pp.
e-Print: [arXiv:0812.0219](#) [hep-ph]*
174. **Cosmological scenario of stop NLSP with gravitino LSP and the cosmic lithium problem.**
[Kazunori Kohri](#) ([Lancaster U.](#)), [Yudi Santoso](#) ([Durham U., IPPP & Durham U.](#)) Nov 2008. 12pp.
e-Print: [arXiv:0811.1119](#) [hep-ph]*

175. **On the Gamma-Ray Spectrum of RX J1713.7-3946 in the GLAST era.**
Ryo Yamazaki, Kazunori Kohri ([Lancaster U.](#)), Hideaki Katagiri Jun 2008. 10pp.
e-Print: [arXiv:0806.3303](#) [astro-ph]*
176. **Reconstructing WIMP Properties in Direct Detection Experiments Including Galactic Dark Matter Distribution Uncertainties.**
Louis E. Strigari, Roberto Trotta ([Imperial Coll. London](#)). Jun 2009.
e-Print: [arXiv:0906.5361](#) [astro-ph.HE]*
177. **Incompatibility of Rotation Curves with Gravitational Lensing for TeVeS.**
Ignacio Ferreras, Nick E. Mavromatos, Mairi Sakellariadou, Muhammad Furqaan Yusaf ([King's Coll. London](#)). Jul 2009. 12pp.
e-Print: [arXiv:0907.1463](#) [astro-ph.GA]*
178. **The Relic Problem of String Gas Cosmology.**
Diana Battefeld, Thorsten Battefeld ([Helsinki Inst. of Phys.](#)). Jul 2009. 5pp.
e-Print: [arXiv:0907.2443](#) [astro-ph.CO]*
179. **On the Suppression of Parametric Resonance and the Viability of Tachyonic Preheating after Multi-Field Inflation.**
Diana Battefeld, Thorsten Battefeld, John T. Giblin, Jr ([Helsinki Inst. of Phys.](#)). Apr 2009. 21pp
e-Print: [arXiv:0904.2778](#) [astro-ph.CO]*
180. **Dipolar Dark Matter.**
Eduard Masso ([Barcelona, IFAE](#)), Subhendra Mohanty, Soumya Rao Jun 2009. 23pp.
e-Print: [arXiv:0906.1979](#) [hep-ph]*
181. **The Weight of Vacuum Fluctuations.**
Eduard Masso ([Barcelona, IFAE](#)). Feb 2009. 7pp.
e-Print: [arXiv:0902.4318](#) [gr-qc]*
182. **Separation of Equilibration Time-Scales in the Gradient Expansion.**
Bjorn Garbrecht ([Wisconsin U., Madison](#)), Thomas Konstandin ([Barcelona, IFAE](#)). Oct 2008. 20pp.
e-Print: [arXiv:0810.4016](#) [hep-ph]*
183. **Strong electroweak phase transitions without collider traces.**
A. Ashoorioon ([Michigan U., MCTP](#)), T. Konstandin ([Barcelona, IFAE](#)) .
184. Apr 2009. 19pp.
e-Print: [arXiv:0904.0353](#) [hep-ph]*
185. **Dark Energy as an off-shell Tachyon Background in four-dimensional Strings.**
J. Alexandre, N.E. Mavromatos ([King's Coll. London](#)). Jun 2009. 10pp.
e-Print: [arXiv:0906.4990](#) [hep-th]*
186. **Decoherence and CPT Violation in a Stringy Model of Space-Time Foam.**
Nick E. Mavromatos ([King's Coll. London](#)). Jun 2009. 41pp.
e-Print: [arXiv:0906.2712](#) [hep-th]*
187. **Time Delays of Strings in D-particle Backgrounds and Vacuum Refractive Indices.**
Tianjun Li ([Texas A-M & Beijing, Inst. Theor. Phys.](#)), Nick E. Mavromatos ([King's Coll. London](#)), Dimitri V. Nanopoulos ([Texas A-M & HARC, Woodlands & Athens Academy](#)), Dan Xie ([Texas A-M](#)). ACT-04-09,

MIFP-09-10, Mar 2009. 4pp.
e-Print: [arXiv:0903.1303](https://arxiv.org/abs/0903.1303) [hep-th]*

188. Quantum Gravity, CPT symmetry and Entangled States.

[Nick E. Mavromatos](#) ([King's Coll. London](#)) . Nov 2008. 7pp.
Invited talk at LEAP 2008: International Conference on Low Energy Antiproton Physics, Vienna, Austria, 16-19 Sep 2008.
e-Print: [arXiv:0811.1372](https://arxiv.org/abs/0811.1372) [hep-ph]

189. Implications of Space-Time foam for Entanglement Correlations of Neutral Kaons.

[Sarben Sarkar](#) ([King's Coll. London](#)). Jul 2009.
e-Print: [arXiv:0907.3122](https://arxiv.org/abs/0907.3122) [hep-th]*

190. DUSEL Theory White Paper.

[S. Raby et al.](#) (includes UniverseNet members from [Gran Sasso](#)). Oct 2008. 35pp.
e-Print: [arXiv:0810.4551](https://arxiv.org/abs/0810.4551) [hep-ph]

191. The DarkStars code: a publicly available dark stellar evolution package.

[Pat Scott](#), [Joakim Edsjo](#), [Malcolm Fairbairn](#) ([King's Coll. London](#)). Apr 2009. 8pp.
e-Print: [arXiv:0904.2395](https://arxiv.org/abs/0904.2395) [astro-ph.CO]

192. Photon-axion mixing in the Milky Way and ultra-high-energy cosmic rays from BL Lac type objects - Shining light through the Universe.

[Malcolm Fairbairn](#) ([King's Coll. London](#)), [Timur Rashba](#), [Sergey Troitsky](#). Jan 2009. 19pp.
e-Print: [arXiv:0901.4085](https://arxiv.org/abs/0901.4085) [astro-ph.HE]

193. Impacts of WIMP dark matter upon stellar evolution: main-sequence stars.

[Pat Scott](#), [Malcolm Fairbairn](#) ([King's Coll. London](#)), [Joakim Edsjo](#) Oct 2008. 4pp.
e-Print: [arXiv:0810.5560](https://arxiv.org/abs/0810.5560) [astro-ph]

194. Two component dark matter.

[Malcolm Fairbairn](#) ([King's Coll. London & CERN](#)), [Jure Zupan](#) ([King's Coll. London & Stefan Inst., Ljubljana & Ljubljana U.](#)) . Oct 2008. 4pp.
e-Print: [arXiv:0810.4147](https://arxiv.org/abs/0810.4147) [hep-ph]

195. Cosmic Strings and Cosmic Superstrings.

[Mairi Sakellariadou](#) ([King's Coll. London](#)) . Feb 2009. 23pp.
Invited talk at ESF School in High Energy Physics and Astrophysics: Theory and Particle Physics: The LHC Perspective and Beyond, Cargese, France, 16-28 Jun 2008.
e-Print: [arXiv:0902.0569](https://arxiv.org/abs/0902.0569) [hep-th]*

196. Can TeVeS avoid Dark Matter on galactic scales?

[N.E. Mavromatos](#), [M. Sakellariadou](#), [M. Yusaf](#) ([King's Coll. London](#)). Jan 2009.
e-Print: [arXiv:0901.3932](https://arxiv.org/abs/0901.3932) [astro-ph.GA]*

197. Cosmology and the Noncommutative approach to the Standard Model.

[William Nelson](#), [Mairi Sakellariadou](#) ([King's Coll. London](#)) . Dec 2008. 4pp.
e-Print: [arXiv:0812.1657](https://arxiv.org/abs/0812.1657) [hep-th]*

198. Collider constraints on interactions of dark energy with the Standard Model.

[Philippe Brax](#) ([Saclay](#)), [Clare Burrage](#), [Anne-Christine Davis](#), [David Seery](#), [Amanda Weltman](#). Apr 2009. 31pp.

e-Print: [arXiv:0904.3002](https://arxiv.org/abs/0904.3002) [hep-ph]*

199. Decoupling Dark Energy from Matter.

[Philippe Brax](#) ([Saclay](#)), [Carsten van de Bruck](#), [Jerome Martin](#), [Anne-Christine Davis](#). Apr 2009. 22pp.

e-Print: [arXiv:0904.3471](https://arxiv.org/abs/0904.3471) [hep-th]*

200. Can the observed large scale magnetic fields be seeded by helical primordial fields?

[Chiara Caprini](#) ([Saclay](#)), [Ruth Durrer](#), [Elisa Fenu](#). Jun 2009. 41pp.

e-Print: [arXiv:0906.4976](https://arxiv.org/abs/0906.4976) [astro-ph.CO]*

201. An idea for detecting capture dominated Dark Stars.

[Fabio Iocco](#) (includes UniverseNet member from [Saclay](#)). SACLAY-T09-082, Jun 2009.

e-Print: [arXiv:0906.4106](https://arxiv.org/abs/0906.4106) [astro-ph.CO]*

202. New Parametrization for the Scale Dependent Growth Function in General Relativity.

[James B. Dent](#), [Sourish Dutta](#), [Leandros Perivolaropoulos](#) (includes UniverseNet members from [Ioannina U.](#)) . Mar 2009. 5pp.

e-Print: [arXiv:0903.5296](https://arxiv.org/abs/0903.5296) [astro-ph.CO]*

203. Kink-Antikink Formation from an Oscillation Mode by Sudden Distortion of the Evolution Potential.

[C.S. Carvalho](#) ([KwaZulu Natal U.](#)) , [L. Perivolaropoulos](#) ([Ioannina U.](#)) . Jan 2009. 8pp.

e-Print: [arXiv:0901.4109](https://arxiv.org/abs/0901.4109) [hep-ph]*

204. Six Puzzles for LCDM Cosmology.

[L. Perivolaropoulos](#) ([Ioannina U.](#)). Nov 2008. 9pp.

e-Print: [arXiv:0811.4684](https://arxiv.org/abs/0811.4684) [astro-ph]*

205. Angular profile of emission of non-zero spin fields from a higher-dimensional black hole.

[M. Casals](#), [S.R. Dolan](#), [P. Kanti](#), [E. Winstanley](#) (includes UniverseNet members from [Ioannina U.](#)). Jul 2009. 11pp.

e-Print: [arXiv:0907.1511](https://arxiv.org/abs/0907.1511) [hep-th]*

206. Graviton Emission in the Bulk by a Simply Rotating Black Hole.

[P. Kanti](#), [H. Kodama](#), [R.A. Konoplya](#), [N. Pappas](#), [A. Zhidenko](#) (includes UniverseNet members from [Ioannina U.](#)). Jun 2009. 26pp.

e-Print: [arXiv:0906.3845](https://arxiv.org/abs/0906.3845) [hep-th]*

207. Searching for Secluded Dark Matter via Direct Detection of Recoiling Nuclei as well as Low Energy Electrons.

[A. Dedes](#), [I. Giomataris](#), [K. Suxho](#), [J.D. Vergados](#) (includes UniverseNet members from [Ioannina U.](#)). Jul 2009. 26pp.

e-Print: [arXiv:0907.0758](https://arxiv.org/abs/0907.0758) [hep-ph]*

208. Instanton induced charged fermion and neutrino masses in a minimal Standard Model scenario from intersecting D-branes.

[G.K. Leontaris](#) ([Ioannina U.](#)) . Mar 2009. 17pp.

e-Print: [arXiv:0903.3691](https://arxiv.org/abs/0903.3691) [hep-ph]*

209. Tracking Quintessence and Cold Dark Matter Candidates.

[S. Lola](#), [C. Pallis](#), [E. Tzelati](#) (includes UniverseNet members from [Ioannina U.](#)). Jul 2009.

e-Print: [arXiv:0907.2941](https://arxiv.org/abs/0907.2941) [hep-ph]*

210. **Preheating in the Standard Model with the Higgs-Inflaton coupled to gravity.**
[Juan Garcia-Bellido](#), [Daniel G. Figueroa](#), [Javier Rubio](#) ([Madrid, Autonoma U.](#)) . IFT-UAM-CSIC-08-93, Dec 2008. 25pp.
 e-Print: [arXiv:0812.4624](#) [hep-ph]*
211. **The radial BAO scale and Cosmic Shear, a new observable for Inhomogeneous Cosmologies.**
[Juan Garcia-Bellido](#), [Troels Haugboelle](#) (includes UniverseNet member from [Madrid, Autonoma U.](#)) . IFT-UAM-CSIC-08-69, Oct 2008. 18pp.
 e-Print: [arXiv:0810.4939](#) [astro-ph]*
212. **Calculable inverse-seesaw neutrino masses in supersymmetry.**
[F. Bazzocchi](#), [D.G. Cerdeno](#), [C. Munoz](#), [J.W.F. Valle](#) (includes UniverseNet member from [Madrid, Autonoma U.](#)). FTUAM-09-16, IFT-UAM-CSIC-09-30, IFIC-09-20, Jul 2009. 4pp.
 e-Print: [arXiv:0907.1262](#) [hep-ph]*
213. **Gamma-ray detection from gravitino dark matter decay in the μ SSM.**
[Ki-Young Choi](#), [Daniel E. Lopez-Fogliani](#), [Carlos Munoz](#), [Roberto Ruiz de Austri](#) (includes UniverseNet member from [Madrid, Autonoma U.](#)). FTUAM-09-15, IFT-UAM-CSIC-09-29, Jun 2009. 13pp.
 e-Print: [arXiv:0906.3681](#) [hep-ph]*
214. **Neutrino Physics and Spontaneous CP Violation in the μ SSM.**
[Javier Fidalgo](#) ([Madrid, IFT & Madrid, Autonoma U.](#)) , [Daniel E. Lopez-Fogliani](#) ([Sheffield U.](#)) , [Carlos Munoz](#) ([Madrid, IFT & Madrid, Autonoma U.](#)) , [R. Ruiz de Austri](#) ([Valencia U., IFIC](#)) . FTUAM-09-06, IFT-UAM-CSIC-09-20, Apr 2009. 32pp.
 e-Print: [arXiv:0904.3112](#) [hep-ph]*
215. **Trans-Planckian relics in the scalar to tensor ratio.**
[Hael Collins](#) ([Bohr Inst.](#)) . Nov 2008. 17pp.
 e-Print: [arXiv:0810.5742](#) [hep-ph]* Cited **1 time**
216. **Trans-Planckian enhancements of the primordial non-Gaussianities.**
[Hael Collins](#), [R. Holman](#) (includes UniverseNet member from [Bohr Inst.](#)). May 2009. 12pp.
 e-Print: [arXiv:0905.4925](#) [hep-ph]*
217. **Right-handed sneutrino dark matter in the NMSSM.**
[David G. Cerdeno](#) ([Madrid, Autonoma U. & Madrid, IFT](#)) , [Osamu Seto](#) ([Minnesota U., Theor. Phys. Inst.](#)) . FTUAM-09-5, IFT-UAM-CSIC-09-17, FTPI-MINN-09-14, UMN-TH-2742-09, Mar 2009. 59pp.
 e-Print: [arXiv:0903.4677](#) [hep-ph]
218. **Is a step in the primordial spectral index favored by CMB data ?**
[Minu Joy](#), [Arman Shafieloo](#), [Varun Sahni](#), [Alexei A. Starobinsky](#) (includes UniverseNet member from [Oxford U., Theor. Phys.](#)). Jul 2008.
 Published in **JCAP 0906:028,2009**.
 e-Print: [arXiv:0807.3334](#) [astro-ph]*
219. **Assumptions of the primordial spectrum and cosmological parameter estimation.**
[Arman Shafieloo](#), [Tarun Souradeep](#) (includes UniverseNet member from [Oxford U., Theor. Phys.](#)). Jan 2009. 5pp.
 e-Print: [arXiv:0901.0716](#) [astro-ph.CO]*

220. **Is cosmic acceleration slowing down?**
[Arman Shafieloo](#), [Varun Sahni](#), [Alexei A. Starobinsky](#) (includes UniverseNet member from [Oxford U., Theor. Phys.](#)). RESCEU-8-09, Mar 2009. 5pp.
e-Print: [arXiv:0903.5141](#) [astro-ph.CO]*
221. **Relativistic stars in $f(R)$ gravity.**
[E. Babichev](#), [D. Langlois](#) ([APC, Paris](#)) . Apr 2009. 5pp.
e-Print: [arXiv:0904.1382](#) [gr-qc]*
222. **k-Mouflage gravity.**
[E. Babichev](#) ([APC, Paris](#)), [C. Deffayet](#), [R. Ziour](#) . May 2009. 9pp.
e-Print: [arXiv:0905.2943](#) [hep-th]*
223. **Recovering General Relativity from massive gravity.**
[E. Babichev](#) ([APC, Paris](#)), [C. Deffayet](#), [R. Ziour](#) . Jul 2009. 4pp. [Temporary entry](#)
e-Print: [arXiv:0907.4103](#) [gr-qc]*
224. **Texture zeroes and discrete flavor symmetries in light and heavy Majorana neutrino mass matrices: a bottom-up approach.**
[Amol Dighe](#) ([Tata Inst.](#)), [Narendra Sahu](#) ([Lancaster U.](#)) . TIFR-TH-08-54, Jan 2009. 33pp.
e-Print: [arXiv:0812.0695](#) [hep-ph]*
225. **Cosmic Ray Anomalies and Dark Matter Annihilation to Muons via a Higgs Portal Hidden Sector.**
[Kazunori Kohri](#), [John McDonald](#), [Narendra Sahu](#) ([Lancaster U.](#)) . May 2009. 20pp. [Temporary entry](#)
e-Print: [arXiv:0905.1312](#) [hep-ph]*
226. **The Fate of Unstable Gauge Flux Compactifications.**
[C.P. Burgess](#) ([McMaster U.](#) & [Perimeter Inst. Theor. Phys.](#)), [S.L. Parameswaran](#) ([Hamburg U., Inst. Theor. Phys. II](#)), [I. Zavala](#) ([Bonn U.](#)) . DESY-08-200, Dec 2008. 33pp.
e-Print: [arXiv:0812.3902](#) [hep-th]
227. **Crosschecks for Unification at the LHC.**
[Valeri Lowen](#), [Hans Peter Nilles](#) ([Bonn U.](#)) . Jul 2009. 23pp.
e-Print: [arXiv:0907.4983](#) [hep-ph]
228. **Gravitational Wave Bursts from Cosmic Superstrings with Y-junctions.**
[P. Binetruy](#), [A. Bohe](#), [T. Hertog](#), [D.A. Steer](#) ([APC, Paris](#)) . Jul 2009. 20pp.
e-Print: [arXiv:0907.4522](#) [hep-th]*
229. **Covariant Galileon.**
[C. Deffayet](#) ([APC, Paris](#) & [Paris Observ.](#)), [Gilles Esposito-Farese](#) ([Paris, Inst. Astrophys.](#)), [A. Vikman](#) ([CCPP, New York U.](#)) . Jan 2009. 10pp.
e-Print: [arXiv:0901.1314](#) [hep-th]
230. **Reconstructing the Distortion Function for Nonlocal Cosmology.**
[C. Deffayet](#) ([APC, Paris](#)), [R.P. Woodard](#) ([Florida U.](#)) . UFIFT-QG-08-07, Apr 2009. 17pp.
Dedicated to Stanley Deser on the occasion of his 78th birthday.
e-Print: [arXiv:0904.0961](#) [gr-qc]
231. **Generalized Galileons: All scalar models whose curved background extensions maintain second-order field equations and stress-tensors.**

- [C. Deffayet](#), [S. Deser](#), [G. Esposito-Farese](#) ([APC, Paris](#)).. Jun 2009. 9pp.
e-Print: [arXiv:0906.1967](#) [gr-qc]
232. **Various Hamiltonian formulations of $f(R)$ gravity and their canonical relationships.**
[Nathalie Deruelle](#), [Yuuiti Sendouda](#), [Ahmed Youssef](#) ([APC, Paris](#)). Jun 2009. 15pp.
e-Print: [arXiv:0906.4983](#) [gr-qc]
233. **A multitrace deformation of ABJM theory.**
[Ben Craps](#), [Thomas Hertog](#), [Neil Turok](#) ([APC, Paris](#)). May 2009. 14pp.
e-Print: [arXiv:0905.0709](#) [hep-th]
234. **Replication Regulates Volume Weighting in Quantum Cosmology.**
[James Hartle](#) ([UC, Santa Barbara](#)) , [Thomas Hertog](#) ([APC, Paris](#) & [Intl. Solvay Inst., Brussels](#)). May 2009.
13pp.
e-Print: [arXiv:0905.3877](#) [hep-th]
235. **Early Universe: Inflation and cosmological perturbations.**
[David Langlois](#) ([APC, Paris](#) & [Paris Observ.](#)) . Nov 2008. 23pp.
Talk given at Workshop on Geometry, Topology, QFT and Cosmology, Paris, France, 28-30 May 2008.
e-Print: [arXiv:0811.4329](#) [gr-qc]
236. **Primordial perturbations and non-Gaussianities from modulated trapping.**
[David Langlois](#), [Lorenzo Sorbo](#) ([APC, Paris](#)). Jun 2009. 16pp.
e-Print: [arXiv:0906.1813](#) [astro-ph.CO]
237. **Magnetic fields from inflation?**
[Vittoria Demozzi](#), [Viatcheslav Mukhanov](#), [Hector Rubinstein](#) (includes UniverseNet members from [Munich U.](#)). Jul 2009. 10pp.
e-Print: [arXiv:0907.1030](#) [astro-ph.CO]
238. **The search for decaying Dark Matter.**
[J.W.den Herder et al.](#) (includes UniverseNet members from [Annecy, LAPTH](#)) Jun 2009.
e-Print: [arXiv:0906.1788](#) [astro-ph.CO]
239. **Observing the Evolution of the Universe.**
[James Aguirre et al.](#) FERMILAB-PUB-09-075-A, Mar 2009. White paper assembled by Lyman Page, with input from many of the co-signers, as part of NASA's Primordial Polarization Program Denition Team (PPPDT) and of a NASA award to Steve Meyer and colleagues entitled 'A study for a CMB Probe of Inflation'. (includes UniverseNet members from [Annecy, LAPTH](#))
e-Print: [arXiv:0903.0902](#) [astro-ph.CO]
240. **The Origin of the Universe as Revealed Through the Polarization of the Cosmic Microwave Background.**
[Scott Dodelson et al.](#) (includes UniverseNet members from [Annecy, LAPTH](#)) FERMILAB-PUB-09-052-A, Feb 2009.
e-Print: [arXiv:0902.3796](#) [astro-ph.CO]
241. **Does PAMELA $p\bar{p}$ /p measurements affect the prospects of dark matter indirect detection at LHC?**
[Celine Boehm](#), [Timur Delahaye](#), [Pierre Salati](#), [Florian Staub](#), [Ritesh K. Singh](#) (includes UniverseNet members from [Annecy, LAPTH](#)). LAPTH-1343, Jul 2009. 6pp.
e-Print: [arXiv:0907.4511](#) [hep-ph]

242. **Anti-Matter in Cosmic Rays: Backgrounds and Signals.**
[Timur Delahaye](#) ([Savoie U.](#) & [Turin U.](#) & [INFN, Turin](#)) , [Pierre Brun](#) ([DAPNIA, Saclay](#)) , [Fiorenza Donato](#), [Nicolao Fornengo](#), [Julien Lavalley](#), [Roberto Lineros](#) ([Turin U.](#) & [INFN, Turin](#)) , [Richard Taillet](#), [Pierre Salati](#) ([Annecy, LAPTH](#)) . LAPTH-CONF-1321-09, May 2009. 7pp.
To appear in the proceedings of 44th Rencontres de Moriond EW 2009: Electroweak Interactions and Unified Theories, La Thuile, Italy, 7-14 Mar 2009.
e-Print: [arXiv:0905.2144](#) [hep-ph]
243. **The cosmic ray lepton puzzle in the light of cosmological N-body simulations.**
[Pierre Brun](#), [Timur Delahaye](#), [Juerg Diemand](#), [Stefano Profumo](#), [Pierre Salati](#) (includes UniverseNet members from [Annecy, LAPTH](#)) . Apr 2009. 5pp.
e-Print: [arXiv:0904.0812](#) [astro-ph.HE]
244. [Kang-Sin Choi](#) ([Kyoto U.](#)) , [Hans Peter Nilles](#) ([Bonn U.](#)) , [Saul Ramos-Sanchez](#) ([DESY](#)) , [Patrick K.S. Vaudrevange](#) ([ASC, Munich](#) & [Munich U.](#)) . DESY-09-021, KUNS-2190, LMU-ASC-08-09, Feb 2009. 15pp.
e-Print: [arXiv:0902.3070](#) [hep-th]*
245. **Intermediate Mass Black Holes and Nearby Dark Matter Point Sources: A Myth-Buster.**
[Torsten Bringmann](#), [Julien Lavalley](#), [Pierre Salati](#) (includes UniverseNet members from [Annecy, LAPTH](#)).
Feb 2009. 4pp.
e-Print: [arXiv:0902.3665](#) [astro-ph.CO]
246. **Galactic secondary positron flux at the Earth.**
[T. Delahaye](#), [F. Donato](#), [N. Fornengo](#), [J. Lavalley](#), [R. Lineros](#), [P. Salati](#), [R. Taillet](#) (includes UniverseNet members from [Annecy, LAPTH](#)). LAPTH-1272-08-AND-DFTT-25-2008, Sep 2008. 12pp.
e-Print: [arXiv:0809.5268](#) [astro-ph]
247. **A Markov Chain Monte Carlo for Galactic Cosmic Ray physics: I. Method and results for the Leaky Box Model.**
[A. Putze](#), [L. Derome](#), [D. Maurin](#), [L. Perotto](#), [R. Taillet](#) [R. Taillet](#) (includes UniverseNet members from [Annecy, LAPTH](#)). Aug 2008. 18pp.
e-Print: [arXiv:0808.2437](#) [astro-ph]
248. **A Dark Matter candidate from Lorentz Invariance in 6 Dimensions.**
[Giacomo Cacciapaglia](#), [Aldo Deandrea](#), [Jeremie Llodra-Perez](#) (includes UniverseNet members from [Annecy, LAPTH](#)). Jul 2009. 37pp.
e-Print: [arXiv:0907.4993](#) [hep-ph]
249. **Mirror Matter, Mirror Gravity and Galactic Rotational Curves.**
[Zurab Berezhiani](#), [Luigi Pilo](#), [Nicola Rossi](#) (includes UniverseNet members from [INFN, Gran Sasso](#)). Feb 2009. 15pp.
e-Print: [arXiv:0902.0146](#) [astro-ph.CO]*
250. **Neutrinos from Supernovae as a Trigger for Gravitational Wave Search.**
[G. Pagliaroli](#) ([Gran Sasso](#) & [L'Aquila U.](#)) , [F. Vissani](#) ([Gran Sasso](#)) , [E. Coccia](#) ([Gran Sasso](#) & [Rome U.](#),[Tor Vergata](#)) , [W. Fulgione](#) ([IFSI, Turin](#) & [INFN, Turin](#)) . Mar 2009. 4pp.
e-Print: [arXiv:0903.1191](#) [hep-ph]*
251. **Testing astrophysical models for the PAMELA positron excess with cosmic ray nuclei.**
[Philipp Mertsch](#), [Subir Sarkar](#) . May 2009. 4pp.
e-Print: [arXiv:0905.3152](#) [astro-ph.HE]*

252. **Pragmatic approach to the little hierarchy problem: the case for Dark Matter and neutrino physics.**
[Bohdan Grzadkowski](#) ([Warsaw U.](#)) , [Jose Wudka](#) ([UC, Riverside](#)) . IFT-09-01, UCRHEP-T463, Feb 2009. 6pp.
e-Print: [arXiv:0902.0628](#) [hep-ph]*
253. **Natural Multi-Higgs Model with Dark Matter and CP Violation.**
[B. Grzadkowski](#) ([Warsaw U.](#)) , [O.M. Ogreid](#) ([Bergen U.](#)) , [P. Osland](#) ([Bergen U.](#)) . NORDITA-2009-24, IFT-09-05, Apr 2009. 38pp.
e-Print: [arXiv:0904.2173](#) [hep-ph]
254. **Multi-Instanton Corrections to Superpotentials in Type II Compactifications.**
[Tomasz Jelinski](#), [Jacek Pawelczyk](#) ([Warsaw U.](#)) . Oct 2008. 17pp.
e-Print: [arXiv:0810.4369](#) [hep-th]
255. **Horizons and the cosmological constant.**
[Krzysztof A. Meissner](#) ([Warsaw U.](#)) . Jan 2009. 6pp.
e-Print: [arXiv:0901.0640](#) [gr-qc]*
256. **On the Naturalness of Higgs Inflation.**
[J.L.F. Barbon](#) ([Madrid, Autonoma U.](#) & [Madrid, IFT](#)) , [J.R. Espinosa](#) ([ICREA, Barcelona](#) & [Barcelona, IFAE](#)) .
Mar 2009. 9pp.
e-Print: [arXiv:0903.0355](#) [hep-ph]*
257. **Conformal invariance from non-conformal gravity.**
[Krzysztof A. Meissner](#), [Hermann Nicolai](#) ([Warsaw U.](#)) . AEI-2009-065, Jul 2009. 18pp.
e-Print: [arXiv:0907.3298](#) [hep-th]*
258. **On Gauge Mediation and Cosmological Vacuum Selection.**
[Zygmunt Lalak](#) ([Warsaw U.](#)) . Jun 2009.
e-Print: [arXiv:0906.5324](#) [hep-ph]*
259. **Axions from Intersecting Branes and Decoupled Chiral Fermions at the Large Hadron Collider.**
[Claudio Coriano](#), [Marco Guzzi](#) ([Salento U.](#) & [INFN, Lecce](#)) . May 2009. 64pp.
e-Print: [arXiv:0905.4462](#) [hep-ph]
260. **Searching for an Axion-like Particle at the Large Hadron Collider.**
[Claudio Coriano](#), [Marco Guzzi](#), [Antonio Mariano](#) ([Salento U.](#) & [INFN, Lecce](#)) . May 2009. 4pp.
Presented at IFAE 2009 (Incontri di Fisica delle Alte Energie 2009), Bari, Italy, 15-17 Apr 2009.
e-Print: [arXiv:0905.4416](#) [hep-ph]*
261. **Trilinear Gauge Interactions in Extensions of the Standard Model and Unitarity.**
[Roberta Armillis](#), [Claudio Coriano](#), [Luigi Delle Rose](#) ([Salento U.](#) & [INFN, Lecce](#)) . May 2009. 5pp.
Presented at IFAE 2009 (Incontri di Fisica delle Alte Energie 2009), Bari, Italy, 15-17 Apr 2009.
e-Print: [arXiv:0905.4410](#) [hep-ph]*
262. **Anomalous U(1) Models in Four and Five Dimensions and their Anomaly Poles.**
[Roberta Armillis](#), [Claudio Coriano](#), [Luigi Delle Rose](#), [Marco Guzzi](#) ([Salento U.](#) & [INFN, Lecce](#)) . May 2009.
65pp.
e-Print: [arXiv:0905.0865](#) [hep-ph]*

263. **Proceedings of the Workshop on Monte Carlo's, Physics and Simulations at the LHC PART I.**
[F. Ambroglini et al.](#) (includes UniverseNet members from & [INFN, Lecce](#)) Feb 2009. 239pp.
e-Print: [arXiv:0902.0293](#) [hep-ph]
264. **Proceedings of the Workshop on Monte Carlo's, Physics and Simulations at the LHC PART II.**
[F. Ambroglini et al.](#) (includes UniverseNet members from & [INFN, Lecce](#)) Feb 2009. 148pp.
e-Print: [arXiv:0902.0180](#) [hep-ph]
265. **A Light Supersymmetric Axion in an Anomalous Abelian Extension of the Standard Model.**
[Claudio Coriano](#), [Marco Guzzi](#), [Antonio Mariano](#), [Simone Morelli](#) ([Salento U.](#) & [INFN, Lecce](#)) . Nov 2008.
46pp.
e-Print: [arXiv:0811.3675](#) [hep-ph]*
266. **Path Integral Approach to non-Markovian First-Passage Time Problems.**
[Michele Maggiore](#) ([Geneva U.](#)) , [Antonio Riotto](#) ([CERN](#) & [INFN, Padua](#)) . May 2009. 5pp.
e-Print: [arXiv:0905.0376](#) [cond-mat.stat-mech]
267. **The halo mass function from the excursion set method. III. First principle derivation for non-Gaussian theories.**
[Michele Maggiore](#) ([Geneva U.](#)) , [Antonio Riotto](#) ([CERN](#) & [INFN, Padua](#)) . Mar 2009. 15pp.
e-Print: [arXiv:0903.1251](#) [astro-ph.CO]
268. **The halo mass function from the excursion set method. II. The diffusing barrier.**
[Michele Maggiore](#) ([Geneva U.](#)) , [Antonio Riotto](#) ([CERN](#) & [INFN, Padua](#)) . Mar 2009. 7pp.
e-Print: [arXiv:0903.1250](#) [astro-ph.CO]
269. **The Halo Mass Function from the Excursion Set Method. I. First principle derivation for the non-markovian case of gaussian fluctuations and generic filter.** [Michele Maggiore](#) ([Geneva U.](#)) ,
[Antonio Riotto](#) ([CERN](#) & [INFN, Padua](#)) . Mar 2009. 21pp.
e-Print: [arXiv:0903.1249](#) [astro-ph.CO]
270. **Non-Gaussianity as a Probe of the Physics of the Primordial Universe and the Astrophysics of the Low Redshift Universe.**
[E. Komatsu et al.](#) (includes UniverseNet member from [INFN, Padua](#)). Feb 2009. 8pp.
e-Print: [arXiv:0902.4759](#) [astro-ph.CO]
271. **FCNC and CP Violation Observables in a SU(3)-flavoured MSSM.**
[L. Calibbi](#), [J. Jones-Perez](#), [A. Masiero](#), [Jae-hyeon Park](#), [W. Porod](#), [O. Vives](#) (includes UniverseNet members from [INFN, Padua](#)). Jul 2009. 40pp.
e-Print: [arXiv:0907.4069](#) [hep-ph]*
272. **A novel determination of the local dark matter density.**
[Riccardo Catena](#), [Piero Ullio](#) ([INFN, Trieste](#)). Jul 2009.
e-Print: [arXiv:0907.0018](#) [astro-ph.CO]*
273. **Testing the Dark Matter Interpretation of the PAMELA Excess through Measurements of the Galactic Diffuse Emission.**
[Marco Regis](#), [Piero Ullio](#) ([INFN, Trieste](#)). Apr 2009. 19pp.
e-Print: [arXiv:0904.4645](#) [astro-ph.GA]*

274. Supernovae data and perturbative deviation from homogeneity.

[Kari Enqvist](#), [Maria Mattsson](#), [Gerasimos Rigopoulos](#) ([Helsinki Inst. of Phys.](#)). Jul 2009. 8pp.
e-Print: [arXiv:0907.4003](#) [astro-ph.CO]*

275. Cosmological bounds on the 'millicharges' of mirror particles.

[Zurab Berezhiani](#) ([L'Aquila U.](#) & [Gran Sasso](#)) , [Angela Lepidi](#) ([Ferrara U.](#) & [INFN, Ferrara](#)) . Oct 2008. 10pp.
e-Print: [arXiv:0810.1317](#) [hep-ph]

276. Lorentz Breaking Massive Gravity in Curved Space.

[D. Blas](#), [D. Comelli](#), [F. Nesti](#), [L. Pilo](#) (includes UniverseNet members from [INFN, Ferrara](#) & [Gran Sasso](#)).
May 2009. 25pp.
e-Print: [arXiv:0905.1699](#) [hep-th]

277. The Subdominant Curvaton.

[Kari Enqvist](#), [Sami Nurmi](#), [Gerasimos Rigopoulos](#), [Olli Taanila](#), [Tomo Takahashi](#) ([Helsinki Inst. of Phys.](#)).
Jun 2009.
e-Print: [arXiv:0906.3126](#) [astro-ph.CO]*