

Eliezer Rabinovici CV

Born : Jerusalem - May 27, 1946

Nationality : Israeli

Marital Status : Married; three children

- 1969 : B.Sc. in Mathematics and Physics, The Hebrew University Jerusalem, Israel
- 1971 : M.Sc. in Physics, The Hebrew University
- 1974 : Ph.D. in High Energy Physics, Weizmann Institute of Science
- 1975-1976 : Research Associate at Fermilab, Batavia, Ill. USA
- 1976/77 : Research Associate at Lawrence Berkeley Radiation Laboratory, CA, USA
- 1977 : Senior Lecturer, Racah Institute of Physics, The Hebrew University
- 1981 : Associate Professor, The Hebrew University
- 1985 : Professor of Physics, The Hebrew University
- 2005 : Leon H. and Ada G. Miller Chair of Science

Scientific Publications:

About 130 publications in referenced journals and books

Grants:

The BSF (Israel-US), ISF (Israel), as well as DIP (German-Israeli), GIF (German-Israeli) and EU grants (TMR and other)

Some Extended Visiting Professor positions:

University of Michigan Ann Arbor

UC Berkeley (Miller Professor)

Max Planck Institute Berlin (Humboldt fellow)
CERN
University of Chicago
University of Geneva
Imperial College London
Max Planck Institute Munich (Humboldt fellow)
University VI of Paris
IAS Princeton (member)
Rutgers University
UC Santa Barbara (Distinguished Simmons Professor 2014)
SISSA Trieste
Stanford University
University of Tokyo
University of Utrecht (Kramers Professor)

Several Responsibilities:

Chairman of The Racah Institute of Physics, The Hebrew University (3 years)
Chairman Professors Union (4 years)
Chairman of the Israeli High Energy Committee (to the present)
Director of the Institute for Advanced Studies, The Hebrew University (2005-2012)
Chairman of the Israeli Committee for Sesame (to present)
Editor *Nuclear Physics B* and *JHEP*
Chairman of Committee on how to reach gender equality at The Hebrew University (report 2004 on Hebrew University webpage)

Visiting committees:

Paris LPTHE-Jussieu, Technion Physics Department, Weizmann Physics Department, Ludwig Maximilians University Munich (2011).

List of Publications
Eliezer Rabinovici 2013

1. Comments on Critical Electric and Magnetic Fields from Holography. S. Bolognesi, F. Kiefer, E. Rabinovici. Oct 2012. 33 pp.
e-Print: [arXiv:1210.4170](https://arxiv.org/abs/1210.4170)
2. Induced Boundary Flow on the $c = 1$ Orbifold Moduli Space. S. Elitzur, B. Karni, E. Rabinovici (Hebrew U.).
Published in **J.Phys. A45 (2012) 455401**
3. String theory and the real world: From particle physics to astrophysics. Proceedings, Summer School in Theoretical Physics, 87th Session, Les Houches, France, July 2-27, 2007. Castor Bachas, (ed.) (Ecole Normale Supérieure), Laurent Baulieu, (ed.) (Paris, LPTHE), Michael Douglas, (ed.) (Rutgers U., Piscataway & IHES, Bures-sur-Yvette), Elias Kiritsis, (ed.) (Ecole Polytechnique, CPHT), Eliezer Rabinovici, (ed.) (Hebrew U.), Pierre Vanhove, (ed.) (Saclay, SPhT), Paul Windey, (ed.), Leticia F. Cugliandolo, (ed.) (Paris, LPTHE). 2012. 662 pp.
Conference: C07-07-02.3 (Amsterdam, Netherlands: Elsevier (2012) 662 p)
4. Aspects of Hagedorn holography. J.L.F. Barbon (Madrid, IFT), E. Rabinovici (Hebrew U.) 33 pp.
DOI: 10.1016/S0924-8099(08)80028-5
Conference: C07-07-02.3, p.449-481
5. Time-dependent stabilization in AdS/CFT. Roberto Auzzi, Shmuel Elitzur, Sven Bjarke Gudnason, Eliezer Rabinovici (Hebrew U.) 35 pp.
Published in **JHEP 1208 (2012) 035**
6. String theory: Formal developments and applications. Proceedings, ESF Summer School in High Energy Physics and Astrophysics, Cargèse, France, June 21-July 3, 2010. Laurent Baulieu, (ed.) , Jan de Boer, (ed.) , Michael Douglas, (ed.) , Eliezer Rabinovici, (ed.) (Hebrew U.), Pierre Vanhove, (ed.) Paul Windey, (ed.) Nucl. Phys. B, Proc. Suppl. 216 (2011) 280 p
7. Holography of AdS vacuum bubbles. J.L.F. Barbon (Madrid, IFT), E. Rabinovici (Hebrew U.). 2011. 26 pp. Published in Nucl.Phys.Proc.Suppl. 216 (2011) 121-146
8. Open/Closed Topological CP1 Sigma Model Revisited. Shmuel Elitzur, Yaron Oz, Eliezer Rabinovici, JohannesWalcher. Published in JHEP 1201 (2012) 101 e-Print: [arXiv:1106.2967](https://arxiv.org/abs/1106.2967)
[hep-th]
9. On the dynamical generation of the Maxwell term and scale invariance. With Michael Smolkin. Published in JHEP 1107 (2011) 040 e-Print: [arXiv:1102.5035](https://arxiv.org/abs/1102.5035) [hep-th]

10. AdS Crunches, CFT Falls And Cosmological Complementarity. J.L.F. Barbon, E. Rabinovici (Hebrew U.). Published in JHEP 1104 (2011) 044 e-Print: arXiv:1102.3015 [hep-th]
11. A Comment on BCC crystalization in higher dimensions. S. Elitzur, B. Karni, Eliezer Rabinovici (Hebrew U.). Published in Mod.Phys.Lett. B25 (2011) 1343-1347 e-Print: arXiv:1101.1631 [hep-th]
12. Vacuum stability, string density of states and the Riemann zeta function. C. Angelantonj, M. Cardella, S. Elitzur, Eliezer Rabinovici (Hebrew U.). Published in JHEP 1102 (2011) 024 e-Print: arXiv:1012.5091 [hep-th]
13. Open/closed topological CP¹ sigma model. With S. Elitzur (Hebrew U.), Y. Oz (Tel Aviv U.), and J. Walcher (CERN). 2009. 7 pp. Published in Nucl.Phys.Proc.Suppl. 192-193 (2009) 61-67
14. On metastable vacua in perturbed N=2 theories. R. Auzzi, Eliezer Rabinovici (Hebrew U.). Jun 2010. Published in JHEP 1008 (2010) 044 e-Print: arXiv:1006.0637 [hep-th]
15. Holography of AdS vacuum bubbles. J. L.F. Barbon, Eliezer Rabinovici. Published in JHEP 1004 (2010) 123 e-Print: arXiv:1003.4966 [hep-th]
16. Cargese 2008, theory and particle physics : The LHC perspective and beyond, proceedings of the ESF School in High Energy Physics and Astrophysics, Cargese Summer School, Cargese, France, 16-28 June 2008. L. Baulieu, (ed.), J. de Boer, (ed.), M.R. Douglas, (ed.), E. Rabinovici, (ed.), (ed.) Vanhove P., P. Windey, (ed.). 2009. 204 pp.
17. On rolling, tunneling and decaying in some large N Vector models with V. Ansim and M. Smolkin JHEP 0908, 001, 2009 [arXiv:hep-th/0905.3526].
18. Beyond the Standard Model
Landolt-Boernstein I 21A: Elementary Particles 2008
19. Absence of Resonant Decay for Metastable Vacua in Gauge Theories of Scalar Fields
with M. Cardella and S. Elitzur
JHEP 0809, 077, 2008 [arXiv:hep-th/0807.1732].
20. D-Branes at Multicritical Points
with M. R. Gaberdiel and D. Israel
JHEP 0804, 086, 2008 [arXiv: hep-th/0803.0291]
21. Spontaneous Breaking of Space-Time Symmetries
Lect. Notes Phys. 737 573-605 (2008) [arXiv:hep-th/0708.1952]
22. Strings and Branes: The Present Paradigm for Gauge Interactions and Cosmology
with Laurent Baulieu, Jan de Boer, Michael R. Douglas, Pierre Vanhove, Paul Windey

- Nucl. Phys. B, Proc. Suppl. 171 (2007) 1-346
23. Multitrace Deformations of Vector and Adjoint Theories and their Holographic Duals
with S. Elitzur, A. Giveon and M. Porrati
Nucl. Phys. Proc. Suppl. 171 231-242, 2007
24. Rolling Tachyon in Anti-de Sitter Space-Time
with D. Israel
JHEP 0701, 069 (2007) [hep-th/0609087]
25. Deconstructing the Little Hagedorn Holography
with J. L.F. Barbon and C. A. Fuertes
JHEP 0709 055 (2007) [arXiv: hep-th/ 0707.1158]
26. String Theory: From Gauge Interactions to Cosmology
with L. Baulieu, B. Pioline and J. de Boer
NATO Science Series II: Mathematics, Physics and Chemistry. 208
Springer, 404 p Dordrecht, Netherlands (2006)
27. Thermodynamical Properties of Some Coset CFT Backgrounds
with A. Giveon, A. Konechny and A. Sever
Fortsch.Phys. 54, 102-115 (2006)
28. Topology Change and Unitarity in Quantum Black Hole Dynamics
with J.L.F. Barbon
IFT-UAM-CSIC-05-019, Mar 2005. 14pp [hep-th/0503144]
29. Phases of Quantum Gravity in AdS(3) and Linear Dilaton Backgrounds
with A. Giveon, D. Kutasov and A. Sever
Nucl. Phys. B719, 3-34 (2005) [hep-th/0503121]
30. String Theory: Challenges, Successes and Magic
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31. Touring the Hagedorn Ridge
with J.L.F. Barbon
Shifman, M. (ed.) et al.: From Fields to Strings, Vol. 3 1973-2008
[hep-th/0407236]
32. On Thermodynamical Properties of Some Coset CFT Backgrounds
with A. Giveon, A. Konechny and A. Sever JHEP 0407, 076 (2004)
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33. Long Time Scales and Eternal Black Holes
with J.L.F. Barbon
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34. Progress in String, Field and Particle Theory
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with A. Giveon and A. Sever
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with A. Giveon and A. Sever
JHEP 0307, 055 (2003)[arXiv:hep-th/0305140].
38. Very Long Time Scales and Black Hole Thermal Equilibrium
with J.L.F. Barbon
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39. Aspects of String Motion in Time-Dependent Backgrounds
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with J.L.F. Barbon
Found. Phys. 33, 145 (2003) [arXiv:hep-th/0211212].
41. On the Nature of the Hagedorn Transition in NCOS Systems
with J.L.F. Barbon
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with S. Elitzur, A. Giveon, D. Kutasov and G. Sarkissian
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with J. L. Barbon
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with S. Elitzur, A. Giveon, D. Kutasov and G. Sarkissian
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47. Stringy Fuzziness as the Custodian of Time-Space Noncommutativity
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J. High Energy Phys. 9904 015 (1999) [hep-th/9902058]
52. Some Thermodynamical Aspects of String Theory
with S.A. Abel, J.L.F. Barbon and I.I. Kogan
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with J.L.F. Barbon and I.I. Kogan
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66. The Coulomb Phase in N = 1 Gauge Theories with a LG-Type Superpotential
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with S. Elitzur, A. Giveon, D.Kutasov and A. Schwimmer
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with A. Schellekens
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- Gauge Theories
with S. Elitzur, A. Forge and A. Giveon
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1986
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91. On Discrete Symmetries and Fundamental Domains of Target Space
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97. The World Sheet In The Target Space and ViceVersa.
with A. Giveon and N. Malkin
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99. String Models with $C < 1$ Components
with K. Bardakci and B. Saering
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100. A Construction of $C < 1$ Modular Invariant Partition Functions
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101. Aspects of Bosonisation in String Theory
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103. Introduction to String Ground State Construction
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104. Introductory Aspects of Anomalies
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