

## Winners of the Leon Heller Postdoctoral Publication Prize in Theoretical Physics

<b>Award Year</b>	<b>Name</b>	<b>Org</b>	<b>Name of Publication</b>	<b>Publication</b>	<b>Publ. Year</b>
2010	Brian Munsky	CCS-3/B-9	Listening to the Noise: Random Fluctuations Reveal Gene Network Parameters	Molecular Systems Biology	2009
2010	Cristiano Nisoli <i>Honorable Mention</i>	T-4/T-CNLS	Thermally Induced Local Failures in Quasi-One-Dimensional Systems: Collapse in Carbon Nanotubes, Necking in Nanowires, and Opening of Bubbles in DNA	Physical Review Letters	2010
2008	Savvas Koushiappas	T-6 ISR-1	Proper Motion of Gamma Rays from Microhalo Sources	Physical Review Letters	2006
2008	Pinaki Sengupta <i>Honorable Mention</i>	MPA-NHMFL T-11	Field-Induced Supersolid Phase in Spin-One Heisenberg Models	Physical Review Letters	2007
2006	Marisol Koslowski	T-12	Avalanches and Scaling in Plastic Deformation	Physical Review Letters	2004
2006	Hank Ashbaugh <i>Honorable Mention</i>	T-12	Scaling-particle Theory and the Length Scales of Hydrophobicity	Reviews of Modern Physics	2006
2004	Christian Batista	T-11	Electronic Ferroelectricity in the Falicov-Kimball Model	Physical Review Letters	2002
2004	Ruy Ribeiro <i>Honorable Mention</i>	T-10	In Vivo dynamics of T cell activation, proliferation, and death in HIV-1 infection. Why are CD4+ but not CD8+ T cells depleted?	Proceedings of the National Academy of Sciences	2003
2002	Eddy Timmermans	T-4	Degenerate Fermion Gas Heating by Hole Creation	Physical Review Letters	2001
2000	Gerardo Ortiz	T-11	Exchange-Correlation Hole in Polarized Insulators: Implications for the Microscopic Functional Theory of Dielectrics	Physical Review Letters	1998
1998	Brian Kenderick	T-12	The Geometric Phase Effects in H+O2 Scattering	Journal of Chemical Physics	1996
1993	John Pearson	T-CNLS	Complex Patterns in a Simple System	Science	1993
1990	Michael Mattis	T-8	Summing Graphs in Large-Nc Quantum Hydrodynamics	Physical Review Letter	1990

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1986	Willy Benz	T-6	The Origin of the Moon and the Single-Impact Hypothesis	Icarus	1986
1984	Sumitendra Mazumdar	T-CNLS	Electron-Electron Interaction Effects on Peierls Dimerization in a Half-Filled Band	Physical Review	1984
1982	Joel Tohline	T-6	The Orientation of Gas Disks in Tumbling Prolate Galaxies	Astrophysical Journal	1982
1980	Joe Kiskis	T-8	Comments on the Classical Gauge Field with Sources	Physical Review	1980
1978	Micah Dembo	T-10	A Kinetic Model of Cooperativity in Aspartate Transcarbamylase	Biophysical Journal	1977
1976	Harold Galbraith	T-10	Statistical Weights for Octahedral Spherical-Top Molecules	Journal of Molecular Spectroscopy	1975