

1 Publications

1. [M2] *Large scale magnetogenesis from a non-equilibrium phase transition in the radiation dominated era*, D. Boyanovsky, M. Simionato, H.J. de Vega, hep-ph/0211022, 25pp.
Submitted to Phys. Rev. D
2. [M1] *Magnetic Field Generation From Nonequilibrium Phase Transitions*, D. Boyanovsky, M. Simionato, H.J. de Vega, hep-ph/0208272, 37pp.
Published in Phys. Rev. D67:023502, 2003
3. [LP] *The Landau Pole at Finite Temperature*, H. J. de Vega and M. Simionato, hep-ph/0011268, 6pp.
Published in Phys. Rev. D64: 021703, 2001
4. [ANC] *On the Consistency of the Exact Renormalization Group Approach Applied to Gauge Theories in Algebraic Non-Covariant Gauges*, M. Simionato, LPTHE-00-18, hep-th/0005083, 48pp.
Published in Int. J. Mod. Phys. A15:4811, 2000
5. [CSD] *Relaxing near the critical point*, D. Boyanovsky, H. J. De Vega, M. Simionato, LPTHE-00-16, hep-ph/0004159 , 41pp.
Published in Phys. Rev. D63:045007, 2001
6. [SQED] *Non-Equilibrium Quantum Plasmas in Scalar QED: Photon Production, Magnetic and Debye Masses and Conductivity*, D. Boyanovsky, H. J. De Vega, M. Simionato, hep-ph/9909259, 55pp.
Published in Phys. Rev. D61: 085007, 2000
7. [NC] *Gauge Consistent Wilson Renormalization Group II: The Non-Abelian Case*, M. Simionato, UPRF-98-10, LPTHE-98-10, hep-th/9810117, 33pp.
Published in Int.J. Mod. Phys. A15:2153, 2000
8. [DRG] *Dynamical Renormalization Group Resummation of Finite Temperature Infrared Divergences*, D. Boyanovsky, H. J. De Vega, R. Holman, M. Simionato, LPTHE98-08, PITT-98-08, hep-ph/9809346, 36pp.
Published in Phys. Rev. D60, 065003, 1999
9. [QED] *Gauge Consistent Wilson Renormalization Group I: The Abelian Case*, M. Simionato, UPRF-98-08, LPTHE-98-08, hep-th/9809004,

34pp.

Published in Int.J. Mod. Phys. A15:2121, 2000

10. [BS] *Wilson renormalization group and improved perturbation theory*, M. Bonini, M. Simionato, UPRF-97-05, hep-th/9705146, 24pp.
11. [REN] *Beta function and flowing coupling in the exact Wilson renormalization group in Yang-Mills theory*, M. Bonini, G. Marchesini and M. Simionato, UPRF-96-464, IFUM-525-FT, hep-th/9604114, 19pp.
Published in Nucl. Phys. B483 (1997) 475

Proceedings available on the Web

- *Relaxing near the critical point*, M. Simionato, Proceedings of *DPF2000*, 9-12 August 2000, Columbus, Ohio, hep-ph/0010135, 3pp.
- *Exact Renormalization Group in Algebraic Noncovariant Gauges*, M. Simionato, Proceedings of the *Second Conference on the Exact Renormalization Group* Rome, September 18-22, 2000, hep-th/0010109, 6pp.

Dissertations

- *Azione wilsoniana e risommazione della teoria delle perturbazioni*
M. Simionato, Tesi di Dottorato di Ricerca in Fisica (advisors G. Marchesini and M. Bonini). Università di Parma, A.A. 1996-1997
- *Invarianza BRST e quantizzazione di teorie di Yang-Mills*
M. Simionato, Tesi di Perfezionamento in Fisica.
Università di Padova, A.A. 1993-1994
- *Formulazione geometrica di teorie di supergravità in diverse dimensioni*
M. Simionato, Tesi di Laurea in Fisica (advisor M. Tonin)
Università di Padova, A.A. 1992-1993

All my works can be found at the URL <http://www.phyast.pitt.edu/micheles/Ref.html>