

Roberto Gobbetti

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Institute for Theoretical Physics
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Current Position

Delta Institute for Theoretical Physics - ITF Utrecht

Postdoctoral Researcher

September 2014 - current

Past

New York University

Research Assistant

September 2012 - August 2014

Education

New York University

Ph.D.

May 2014

Thesis title: *Dealing with a Landscape:*

Signatures of False Vacuum Eternal Inflation and how to end it

Advisor: Prof. Matthew Kleban

Institute for Advanced Studies of Pavia (I.U.S.S.)

Diploma in Physics

April 2009

Thesis title: *Virasoro Algebra and Quantum Field Theory*

Università Degli Studi di Pavia

M.Sc. in Physics - Theoretical Physics course

October 2008

Thesis title: *Black Holes Physics and Anomalies*

110/110 Cum Laude

Università Degli Studi di Pavia

B.Sc. in Physics

December 2006

Thesis title: *The Aharonov-Bohm Effect*

110/110 Cum Laude

Scientific High School T. Taramelli in Pavia

High School Diploma

July 2003

100/100

Fellowships and Academic Distinctions

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| New York University - Center for Cosmology and Particle Physics James Arthur Graduate Award | 2012-2013 |
| New York University MacCracken fellowship | 2009-2013 |
| Yukawa Institute for Theoretical Physics (YITP), Kyoto Visiting student (Supervisor: Prof. Takahiro Tanaka) | July-August 2012 |
| International School for Advanced Studies (S.I.S.S.A.), Trieste M.Sc. student fellowship | 2008 |
| Institute for Advanced Studies of Pavia (I.U.S.S.) Honors Fellow | 2003-2008 |
| Almo Collegio Borromeo, Pavia Honors Fellow | 2003-2008 |

Invited Seminars

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| Joint Tufts/MIT Cosmo Seminar, Tufts University <i>"Inflation in Random Potential"</i> | November 2015 |
| University of Pennsylvania <i>"Inflation in Random Potential"</i> | November 2015 |
| Cornell University <i>"Brane Scattering and Unwinding Inflation"</i> | February 2015 |
| New York University - Abu Dhabi <i>"Unwinding Inflation"</i> | November 2013 |
| ISCAP - Columbia University <i>"Large-scale Anomalies from Primordial Dissipation"</i> | October 2013 |
| Ludwig-Maximilians University <i>"Unwinding Inflation"</i> | June 2013 |
| International Center for Theoretical Physics, Trieste <i>"Unwinding Inflation"</i> | May 2013 |
| Yukawa Institute for Theoretical Physics, Kyoto <i>"Cosmic Bubble Collision"</i> | July 2012 |

Teaching Experience

New York University

Faculty Adjunct

September 2009 - August 2012

Università degli Studi di Pavia

Teacher adjunct for the course of “General Physics” at the Department of Natural Sciences

September 2007 - February 2008

Personal Skills

Languages

Italian - Native

English - Fluent

Spanish - Basic

Technical Skills

Programming - Proficient in Mathematica and L^AT_EX

Experienced in Python, C, MatLab, html/CSS/JavaScript

Operating Systems - Comfortable with Linux, Mac Os or Windows

Publications

1. R. Gobbetti, E. Pajer, *Minimal Multifield Inflation*, to appear.
2. B. Freivogel, R. Gobbetti, E. Pajer, *Signatures of the Random Landscape*, to appear.
3. R. Gobbetti, E. Pajer, D. Roest, *On the Three Primordial Numbers*, **JCAP 1509 (2015) 09, 058**, May 2015.
4. G. D’Amico, R. Gobbetti, M. Kleban, M. Schillo, *D-Brane Scattering and String Production*, **JHEP 1501 (2015) 050**, Aug 2014.
5. G. D’Amico, R. Gobbetti, M. Kleban, M. Schillo, *Large-Scale Anomalies from Primordial Dissipation*, **JCAP 11 (2013) 013**, Jun 2013.
6. G. D’Amico, R. Gobbetti, M. Kleban, M. Schillo, *Unwinding Inflation*, **JCAP 1303 (2013) 004**, Nov 2012.
7. G. D’Amico, R. Gobbetti, M. Kleban, M. Schillo, *Inflation from Flux Cascades*, **Phys.Lett. B725 (2013) 218-222**, Nov 2012.
8. R. Gobbetti, M. Kleban, *Analyzing Cosmic Bubble Collisions*, **JCAP 1205 (2012) 025**, Jan 2012.