

MARIANA C. GRAÑA

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Date of Birth: February 9, 1973
Place of Birth: Buenos Aires, Argentina, Nationality: French, Argentine

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EDUCATION

Ph.D.: University of California - Santa Barbara, United States, December 2002. Physics. GPA : 4.0/4.0
“Supersymmetric IIB Solutions with fluxes and their effects on D-branes”, directed by Prof. Joseph Polchinski.

B.S. : University of Buenos Aires, Argentina, 1997. Physics. GPA : 3.8 / 4.0

HDR: (Habilitation to direct research). Ecole Normale Supérieure, February 2015
Thesis title: “Generalized geometry of flux compactifications”

SCIENTIFIC ACTIVITIES

Research career

- Permanent Researcher, Institut de Physique Théorique, CEA/Saclay, from October 2005
- Post-Doctorate
Ecole Normale Supérieure, France, Marie Curie Fellowship, January 2004 to October 2005
Centre de Physique Théorique, Ecole Polytechnique, France, February to December 2003
- Research Assistant
University of California at Santa Barbara, United States, 2000-2002
University of Buenos Aires, Argentina, 1997-1998

Grants and prizes

- Principal Investigator in the **ERC Consolidator Grant** “Deconstructing the string Landscape”, September 2018 to August 2023.
- Principal Investigator in the **ERC Starting Grant** “The Low Energy Limit of String Theory and the Observable World”, February 2011 to October 2016.
- Co-investigator in two French ANR grants, binational France-Argentina, France-England and France-MIT travel and collaboration
- Beate Naroska senior guest professorship of the University of Hamburg, 2023, given to « a distinguished female scientist who is also visible role models for women in the discipline »)
- ‘**Paul Langevin**’ Prize of the French Physical Society, 2021

Organization of international conferences and workshops

- Organisation of 21 international conferences and workshops, most notably Strings 2025, Abu Dhabi (January 2025), the XXI International Conference on Mathematical Physics, Strasbourg (July 2024) ; Planck 2022, Paris (May 2022), Eurostrings 2022, Lyon (April 2022), String Phenomenology 2010

Conference talks and seminars

- Invited plenary speaker at 58 international conferences, most notably Strings 2021, 2011 and 2004, SUSY 2013, String Phenomenology 2007, 2012, 2013, 2019, 2021,22,23 and 24
- Invited speaker at 55 local seminars at institutions world-wide
- Invited presentation at 5 Colloquia
- 4 Science popularization talks

Institutional responsibilities

- Member of the CNRS commission, theoretical physics section, 2021-2025

- Member of the Scientific Advisory Board of the Max Planck Institute, Munich, 2024-2030, and the Erwin Schrödinger International Institute for Mathematics and Physics, University of Vienna, 2023-2026
- Member of the Scientific Advisory Board of the of
- Member of IPhT Institute council 2014-2017
- Leader of the Mathematical Physics group at IPhT, 2016-2023
- IPhT representative to the council of the “Direction de Sciences de la Matière” at CEA, 2012-2017
- Member of the working group to establish the founding rules and regulations of the Mathematics Graduate School at University Paris-Saclay, 2019-2020
- Member of the scientific council of the Physics Department of Paris University, 2018-2021
- Member of Editorial Board of European Physics Journal C
- Member of international committee for 5-year evaluation of APC, Paris Diderot University, 2017.
- Member of the jury for 5 professor positions (U Padova, 2 at Sorbonne Université, Université de Paris, Université Paris Cité) and one junior teaching position (ENS),
- Reviewer for five professor positions
- Member of the jury for the attribution of PH.D. fellowships in physics in the great Paris area, 2018
- Reviewer for grant proposals from ERC, ESF, NSF, Royal Society, FWO (Belgium), PICT (Argentina), VQR (Italy), Conicyt (Chile), HRZZ (Croatia)
- President or Member of the jury for twenty PhD theses
- Referee for JHEP, Nuc Phys B, SciPost, Classical and Quantum Gravity, Comm in Mathematical Physics,...

TEACHING AND SUPERVISION

Lectures

- High Energy Physics Master, Ecole Polytechnique, 2016-date, String Theory
- Mathematics Department, University of Buenos Aires, Argentina, 1995-1998, Linear Algebra for first year students in Science and Engineering

Discussion Sessions

- Physics Department, University of California at Santa Barbara, United States, 1998-2002
- Physics Department, University of Buenos Aires, Argentina, 1995-1998

Short Lecture courses

- 12 lecture courses, at the following schools/lecture series: CERN Winter School, CEA/Saclay PHD courses, Solvay Paris-Amsterdam-Geneva-Brussels PhD school; Galileo Galilei Institute, Arnold Sommerfeld school in Munich, school at Villa de Leyva in Colombia and invited professor courses at University of Buenos Aires. Additionally, lectures at University of Michigan and Perimeter Institute.

Students and post-docs

- Supervision of 7 completed Ph.D. students (1 of them now permanent position at University of Padova, 1 permanent teaching position at Elisa Aerospaziale, 1 permanent research position in machine learning at Swiss railway and 4 now post-docs at Harvard, Max Planck Institute Munich, U. Autonoma de Madrid and U Edinburg)
- Supervision of 2 current Ph.D. students
- Supervision of 9 internship master students
- Supervision of 11 post-doctoral researchers on personal ERC grant, and co-supervision of 5