

Jonathan Lozano de la Parra, Ph.D.

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About Me

- Doctor of Sciences with a background in theoretical physics and experience in analytical problem solving in multidisciplinary settings. Experienced in international collaboration and in communicating ideas clearly in multicultural environments. Motivated to apply a structured and data-driven approach to technical challenges. Enthusiastic about learning and developing new skills, particularly in science-driven environments.

Employment History

- Jul 2025 – Present ■ **Queue Manager, Scale AI**
Manage project queues, support task prioritization, and coordinate workflow across ongoing projects.
- Oct 2024 – Jul 2025 ■ **GenAI Project Consultant, Scale AI**
Worked on projects related to the training and evaluation of large language models, applying my background in physics and mathematics to support analysis and improve methods.
- Jan 2023 – Present ■ **Adjunct Professor of Physics, Autonomous University of Baja California**
Lecturer in physics with focus on the theoretical aspects of modern physics.
- Apr 2018 – Sep 2022 ■ **Instructor of Physics, University of Bonn**
Tutor in advanced physics topics. Main lectures: Quantum Field Theory, General Relativity, and Theoretical Hadron Physics.

Education

- Jan 2019 – Apr 2023 ■ **Doctor of Science in Physics, University of Bonn**
- Oct 2016 – Nov 2018 ■ **Master of Science in Physics, University of Bonn**
- Aug 2011 – Apr 2016 ■ **B.Sc. in Physics, Autonomous University of Baja California**

Skills


- Technical Skills ■ Python, SQL, Google Sheets, and \LaTeX ; experience with data analysis, visualization, interpretation of results, and modeling in Python for my academic research, as well as using SQL and Google Sheets in several projects at work to analyze, organize, refine, and quality-check client data files before delivery.
- Professional Skills ■ Communication, teamwork, leadership, decision making, time management, and documentation.
- Languages ■ Spanish, English, and German.

Publications

- Author/co-author of peer-reviewed publications in theoretical and computational physics, including articles in *JHEP* and *Physical Review D*. Full publication list available upon request.

Miscellaneous Experience

Teaching

Undergraduate  Special Relativity, Classical Mechanics, Tensors, Vector Calculus, and Vector Geometry.

Graduate  General Relativity, Quantum Field Theory, and Elementary Particle Physics.


Awards and Achievements

Jan 2024 - Dec 2027  **Mexico's National System of Researchers - Candidate.**

Jul 2016  **CONACYT-DAAD 2016 Grant.**

Jan 2014  **ECOS Santander Scholarship.**

Outreach

2010–Present  **Sociedad Científica Juvenil (SCJ).** Founder and former president of a science outreach organization promoting scientific and technological knowledge through workshops, conferences, and public engagement activities across Mexico.