

## Areas of interest:

*Quantum Chaos, Quantum Computing, Quantum Information,  
Quantum Mechanics, Nuclear Physics, Atomic Physics, Cryptography.*

## Education

- Oct. 2018– **MSc. Nuclear Physics**, Universidad Complutense de Madrid\*, 60 ECTS.  
Sept. 2019 *Thesis*: Study of short range correlations in incomplete spectra of quantum chaotic and intermediate systems. In collaboration with Instituto de Estructura de la Materia (CSIC) and Nuclear Physics Group (UCM).  
Sept. 2014– **BSc. Physics, Fundamental Physics**, Universidad Complutense de Madrid, 240 ECTS.  
June 2018 *Thesis*: Quantum Chaos and Random Matrices

## Grants, Contracts and Projects

- Dec. 2018 – **UCM Student Collaboration Scholarship**, Quantum, Thermal and Electronic Physics Department, Universidad Complutense de Madrid.  
June 2019 *Project*: Introduction to Nuclear Physics Research.  
March 2019 – **Master's Thesis**, Instituto de Estructura de la Materia, Consejo Superior de Investigaciones Científicas.  
Sept. 2019 *Project*: Research work on spectral statistics of quantum systems with intermediate dynamics between regularity and chaos.

## Awards

- Apr. 2020 **Best Academic Record in a Nuclear Master 2018-2019**, Sociedad Nuclear Española. Awarded to the best academic records in masters degrees with nuclear content in Spain, 2018-2019.  
Oct. 2018 **Beca Excelencia UCM**, Universidad Complutense de Madrid. Awarded to students with good academic record as recognition and support for the start of official master's degree studies at Universidad Complutense de Madrid.  
June 2014 **Matrícula de Honor en Bachillerato**, Ministerio de Educación, Gobierno de España. Awarded to the best academic record in each Spanish Baccalaureate class.

## Courses

- Sept. 2020 **Summer School on Quantum Computing: Software for Near Term Quantum Devices**, *Online Summer School*, Menéndez-Pelayo International University.

## Skills

**Operating Systems:** Ubuntu Linux, Windows.

**Scientific Software:** MATLAB, Maple, SciDaVis.

**Office Software:** L<sup>A</sup>T<sub>E</sub>X, LibreOffice, Microsoft Office.

**Languages:** Spanish (mother tongue), English (upper intermediate), French (basic knowledge).

## Other Interests

- 2015–2020 **Working as Artistic Skating Trainer**, in multiple schools and clubs all around Madrid.  
2004–2019 **Piano Lessons**, Municipal Arts School of Villanueva del Pardillo.  
2004–2014 **Musical Theory Lessons**, Municipal Arts School of Villanueva del Pardillo.  
July–Aug. 2015 **Ruta Inti: “Cervantes y la cuna de la cultura occidental”**, social, cultural and adventure program for young people from all over the world, [www.rutainti.com](http://www.rutainti.com) (site in Spanish).  
Sporadically **Volunteer in Charity Projects**, including helping, supporting and assisting at residences for elderly people and children with Down syndrome.

\*Master in collaboration with Universidad Autónoma de Madrid, Universidad de Salamanca, Universidad de Sevilla, Universidad de Barcelona, Universidad de Granada.