

EDUARDO TIRADO-BUENO

etirado.phys@gmail.com | +52 222 716 6895

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ORCID

<https://orcid.org/0000-0001-8462-8345>

FIELDS OF RESEARCH INTEREST

- Cosmic Rays
- Heliosphere
- Solar Physics
- Physics Education

RESEARCH EXPERIENCE

National Institute for Space Research

Visiting Researcher as Graduate Student

São Jos Dos Campos, São Paulo, Brasil.

Dec. 2019 - Feb. 2020

Royal Observatory of Belgium & Belgian Institute for Space Aeronomy

Visiting Researcher as Graduate Student

Uccle, Brussels, Belgium.

Sep. 2019 - Oct. 2019

Institute of Geophysics, UNAM

Visiting Researcher as Undergraduate Student

Mexico City, Mexico

2016

EDUCATION

National Institute of Astrophysics, Optics and Electronics | M. Sc. in Space Science

Academic Excellence Award.

2020

Benemérita Universidad Autónoma de Puebla | B. Sc. in Physics

2017

SCHOLARSHIPS & HONOURS

Mexican Academy of Sciences

Undergraduate Scholarship to conduct research activities

2016

National Council for Science and Technology (Mexico)

Graduate Scholarship to conduct graduate studies (M. Sc.)

National Institute of Astrophysics Optics and Electronics (INAOE), Mexico

2018 - 2020

ADDITIONAL TRAINING

- Dynamical Systems and Machine Learning Approaches to Sun-Earth Relations

Web School 1-5 February 2021

- IT Essentials: PC Hardware and Software, CISCO Networking Academy

2011

SCIENTIFIC PRESENTATIONS

- Poster, XII Latin American Conference on Space Geophysics (online)

Nov. 2021

- **Poster**, LXIV Meeting of the Mexican Physical Society (online) *Oct. 2021*
- **Poster**, LXIII Meeting of the Mexican Physical Society (online) *Oct. 2020*
- **Invited Seminar**, Space Geophysics Division DIDGE/CGCEA - INPE, Brazil. *Feb. 2020*
- **Poster**, VII Brazilian Symposium on Space Geophysics and Aeronomy. *Nov. 2018*
- **Poster**, LXI Meeting of the Mexican Physical Society. *Oct. 2018*
- **Talk**, Meeting of the Cosmic Rays Division of the Mexican Physical Society. *Oct. 2018*
- **Invited Talk**, Seminar on New Physics in Accelerators and the Cosmos, BUAP. *Feb. 2017*
- **Poster**, LIX Meeting of the Mexican Physical Society. *Oct. 2016*
- **Poster**, LVIII Meeting of the Mexican Physical Society. *Oct. 2015*
- **Poster**, LVII Meeting of the Mexican Physical Society. *Oct. 2014*

SELECTED SERVICES

- Organizing Committee and Collaborator**, Mexican Astronomy Olympiad. *2018 - Present*
Mentor, BUAP undergraduate student mentoring program. *2015 - 2017*

SELECTED OUTREACH

- Lecturer**, Outreach Talk, at *Noche de las Estrellas, Evento Astronmico* (online). *Nov. 2020*
Lecturer, Outreach Talk, at *Noche de las Estrellas, Evento Astronmico*. *Nov. 2018*
Lecturer, Outreach Talk, at *Noche de las Estrellas, Evento Astronmico*. *Nov. 2017*
Lecturer, Outreach Talk, at *Noche de las Estrellas, Evento Astronmico*. *Nov. 2016*

TEACHING EXPERIENCE

- Guest Lecturer**, Mini Course: Special Relativity, at Mexican Astronomy Olympiad. *Aug. 2018*
Guest Lecturer, Mini Course: Stellar Properties, at Mexican Astronomy Olympiad. *Aug. 2018*

- Teaching Assistant / Grader**, Course: Space Physics, at INAOE. *Jun, 2020*
Teaching Assistant / Grader, Course: Space Physics, at INAOE. *Jun, 2021*

- Math / Physics tutoring**, high school / college level *Present*

SKILLS

- Programming Languages:* Python, IDL
Software: L^AT_EX/Overleaf, Office suite, iWork suite
Operating Systems: MacOS, Unix/Linux, Windows
Languages:

- Spanish (Native)
- English (Professional Working Proficiency)
- Portuguese (Limited Working Proficiency)

SCIENTIFIC SOCIETIES

- Member** of the Mexican Physical Society *Present*

PUBLICATIONS

- **First Author Journal Articles:**

E. Tirado-Bueno, J. E. Mendoza-Torres, R. R. S. de Mendonça, *Barometric Coefficient Dependence on the Geomagnetic Cutoff Rigidity of Neutron Monitors*, Advances in Space Research, DOI: 10.1016/j.asr.2021.04.034