

EDUARDO TIRADO-BUENO

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ORCID

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FIELDS OF RESEARCH INTEREST

- Cosmic Rays
- Heliospheric Physics
- Solar Physics

RESEARCH EXPERIENCE

National Institute for Space Research

Visiting Researcher

São Jos Dos Campos, São Paulo, Brasil.

Dec. 2019 - Feb. 2020

Royal Observatory of Belgium & Belgian Institute for Space Aeronomy

Visiting Researcher

Uccle, Brussels, Belgium.

Sep. 2019 - Oct. 2019

Institute of Geophysics, UNAM

Visiting Researcher

Mexico City, Mexico

2016

EDUCATION

National Institute of Astrophysics, Optics and Electronics

Ph. D. in Space Science

Present

National Institute of Astrophysics, Optics and Electronics

M. Sc. in Space Science with Academic Excellence Award.

2020

Benemérita Universidad Autónoma de Puebla

B. Sc. in Physics

2017

SCHOLARSHIPS & HONOURS

National Council for Science and Technology (Mexico)

Graduate Scholarship to conduct graduate studies (Ph. D.)

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

Present

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

Mexican Academy of Sciences

Undegraduate Scholarship to conduct research activities

2016

SCHOOLS AND WORKSHOPS

- Dynamical Systems and Machine Learning Approaches to Sun-Earth Relations *2021*

SCIENTIFIC PRESENTATIONS

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- **Poster**, American Geophysical Union 2023, San Francisco, CA. *Sep. 2023*
 - **Talk**, Forum on Cosmic Rays in the Heliosphere (online) *Sep. 2023*
 - **iPoster**, XII Latin American Conference on Space Geophysics (online) *Nov. 2021*
 - **iPoster**, LXIV Meeting of the Mexican Physical Society (online) *Oct. 2021*
 - **iPoster**, 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*

OUTREACH PRESENTATIONS

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- **Talk**, Title: Cosmic Rays and the Heliosphere. *Sep. 2023*
 - **Talk**, Title: The mysteries of the Sun. *Nov. 2023*

SELECTED SERVICES

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- Organizing Committee and Collaborator**, Mexican Astronomy Olympiad. *2018 - 2020*
 - Mentor**, BUAP undergraduate student mentoring program. *2015 - 2017*

TEACHING EXPERIENCE

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- Guest Lecturer**, Mini Course: Special Relativity. *Aug. 2018*
 - Guest Lecturer**, Mini Course: Stellar Properties. *Aug. 2018*

- Teaching Assistant / Grader**, Course: Space Physics, at INAOE. *Jun, 2023*
- Teaching Assistant / Grader**, Course: Space Physics, at INAOE. *Jun, 2022*
- Teaching Assistant / Grader**, Course: Space Physics, at INAOE. *Jun, 2021*
- Teaching Assistant / Grader**, Course: Space Physics, at INAOE. *Jun, 2020*

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

SKILLS

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- | | |
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| <p><i>Programming Languages:</i></p> <p><i>Software:</i></p> <p><i>Operating Systems:</i></p> <p><i>Languages:</i></p> | <p style="text-align: right;">Python, IDL</p> <p>LaTeX/Overleaf, Office suite, iWork suite</p> <p style="text-align: right;">MacOS, Unix/Linux, Windows</p> <p style="text-align: right;">Spanish (native), English, Portuguese</p> |
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SCIENTIFIC SOCIETIES

Member of the Mexican Physical Society
Member of the American Geophysical Union

Present
Present

PUBLICATIONS

- **Journal Articles as Graduate Student:**

E. Tirado-Bueno, J. E. Mendoza-Torres and 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

- **Other Journal Articles:**

L. A. Fernández-Ramos, J. E. Mendoza-Torres, O. Gmez-Flores and **E. Tirado-Bueno**, *Charged Particle Reflection in a Magnetic Mirror* (in press), Revista Mexicana de Física E.