

Sebastian Navarrete

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📍 Cotacachi

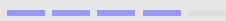
🌐 S. Navarrete

Languages

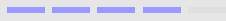
Spanish Native
English B2

Skills

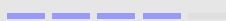
Lidership



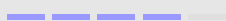
Teamwork



problem-solving



Creativity

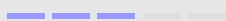


adaptability

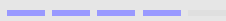


Programming

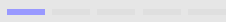
Python



Mathematica



C



R



Pablo Sebastian Navarrete Piedra

Education

BSc. in Physics

Oct 2017 - Nov 2023

Yachay Tech University

Thesis title: *Structure of Shocked Gas in Interstellar Cloud-Cloud Collisions*
<http://repositorio.yachaytech.edu.ec/handle/123456789/685>

Research Experience

Cloud Collision simulation

Nov 2022 - Nov 2023

Yachay Tech

- Run H.D. simulations of cloud-cloud collision.
- Develop shock-finding algorithm

Neutral Hydrogen H-I Research

Mar 2023 - May 2023

Yachay Tech

- Treat observational data with Phyton.

Teaching Experience

Teacher - Young Optics

Mar 2021 - Apr 2021

OPTICA -Yachay Tech student chapter

- Teaching optics to high school students.


Talks

**Shocks in
Interstellar Cloud-Cloud
Collisions**

Oct- 2023

XVIII Encuentro de Física (Physics EPN 2023)

Publicaciones

S. Navarrete, B. J. Pinargote, and W. E. Banda-Barrag . **Shock waves in Interstellar Cloud-Cloud and Wind-Cloud Collisions** Submitted to *IOP Journal of Physics: Conference Series* (2024) 

Certifications and Courses

Conceptual Physics

Sept 2020

School of Physical Science and Nanotechnology-Yachay Tech

Summer school to study and review the main concepts and math tools to approach all courses in a physics career.

Design and Creation of MOOC courses

Aug 2021

CEDIA

Course taken as part of the contest "InnovaMOOC"

Escuela de Programación para Investigación Científica EPIC III

14-18 Aug 2023

Latitud zero, Physics department of Yachay Tech and EPN, UIDE

Summer school of programming focus on introducing techniques for data analysis using Python

International Virtual conference on advanced nanomaterial & Application with Emphasis on Flexible Electronic Devices

Ene 2020

Vellemore Institute of Technology