



Summer Internship in Astrophysics and Astronomical Instrumentation 2022

INAOE Puebla Mexico

DUE TO THE PANDEMIC SITUATION THE RESEARCH PROJECT
COULD BE SUPERVISED REMOTELY

The department of astrophysics at the Instituto Nacional de Astrofísica, Óptica y Electrónica (INAOE) in Puebla México, invite applications from outstanding students for

2 months Summer Internships at the INAOE (June 13 - August 12, 2022).

INAOE is a frontier center for research in astrophysics in Mexico with an active postgraduate program that offers M.Sc. and Ph.D. degrees in Astrophysics and Astronomical Instrumentation. INAOE is playing pivotal role in the exploitation of the large observational infrastructure at Sierra Negra in Puebla, such as the Large Millimeter Telescope *Alfonso Serrano* and the High-Altitude Water Cherenkov Experiment. Other INAOE facilities in astronomy include a 2.12-m reflector at the Astrophysical Observatory Guillermo Haro (Sonora, Mexico), and two laboratories for building and testing astronomical instrumentation. The staff and students at INAOE also have access to the 10.4-m Gran Telescopio Canarias (Spain) and the telescopes at the National Astronomical Observatory (San Pedro Martir, Mexico). Moreover, researchers in our department have access to high-performance super-computing facilities to perform numerical simulations to better understand complex physical processes such as the evolution of stellar clusters or galaxy mergers. Those students who are expected to obtain their Bachelor's degree in Physics or related sciences in the next two years are eligible to apply. During the internship the selected students will carry out a research project under the guidance of one of our staff members. Applications (in English or Spanish) should be sent by e-mail as PDF files before April 15th to the address at the bottom of this announcement, and should include:

- 1. A cover letter** (addressed to Dr. Jose R. Valdés, head of the Department of Astrophysics),
- 2. Curriculum vitae,**
- 3. Two letters of recommendation** (to be sent directly to the email address below),
- 4. A scanned transcript of the Bachelor's degree**, showing courses taken and grades achieved up to the time of application.
- 5. A scanned copy of the main page of your passport.**

The cover letter should summarize the current status of the candidate's studies, and express the candidate's interest in the research carried out at INAOE. Information about staff members and their topics of research is available at <http://astro.inaoep.mx/en/>.

Students who are selected will be given a scholarship to cover the local expenses. Basic knowledge of Spanish is desirable, but not a requirement.

Contact address:
Dr. Daniel Rosa González (hpsatinaoe@gmail.com)
Head of the Astrophysics Postgraduate Studies at INAOE

