Puerto Rico Atmospheric Major Research Laser Instrumentation Program

NSF Grant: AGS-1126123
$658 thousand (2011-2013)

MRI: Laser

- The **Puerto Rico Atmospheric Major Research Laser Instrumentation Program (PR-LASER)** is a $658,000 NSF Grant.
- It is a partnership between Universidad Metropolitana (UMET), the Arecibo Observatory (AO), and the NSF-funded CEDAR Resonance and Rayleigh Lidar Consortium Technology Center (CRRL/CTC), at the University of Colorado-Boulder.

Objectives

- To enhance upper-mesospheric research activities using new laser technology at AO through the acquisition of a state-of-the-art pulsed alexandrite laser.
- To improve data quality, system reliability, and to increase access to and training in the use of modern research instrumentation.
- To implement a research training program in science, technology, engineering and mathematics (STEM) fields in optics with an emphasis on atmospheric remote sensing for students from pre-college through graduate school and science teachers from Puerto Rico at UMET's Puerto Rico Optical Sciences Institute (PROptScI).

Webpage

http://mrilaser.suagm.edu