

Assistant Research Professor - Comet Spectroscopy and
Atomic/Molecular Modeling
Auburn University

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Posted Sep. 19, 2024, set to expire Feb. 1, 2025

Job Title	Assistant Research Professor - Comet Spectroscopy and Atomic/Molecular Modeling
Department	Physics
Institution	Auburn University Auburn, Alabama
Date Posted	Sep. 19, 2024
Application Deadline	Open until filled
Position Start Date	Available immediately
Job Categories	Research Professor Assistant Professor
Academic Field(s)	Physics - General
Job Website	https://www.auemployment.com/postings/48854
Apply By Email	

Job Description

The Department of Physics at Auburn University invites applications for a non-tenure track Assistant Research Professor position in the field of comet spectroscopy, with a particular emphasis on atomic and molecular modeling. We seek a highly qualified individual to develop and lead an active research program focused on the spectroscopic analysis of comets using a variety of observational platforms, including the Hubble Space Telescope (HST) and the James Webb Space Telescope (JWST).

Key Responsibilities

- Develop a robust research program in comet spectroscopy, focusing on the atomic and molecular



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processes that shape cometary emissions.

- Lead observational campaigns and analyze spectroscopic data from high-profile space-based observatories such as HST and JWST.
- Use advanced atomic and molecular modeling techniques to interpret spectral data and improve our understanding of cometary compositions and physical processes.
- Collaborate with interdisciplinary teams, including astronomers, planetary scientists, and modelers, both within Auburn University and the broader scientific community.
- Mentor graduate and undergraduate students in research and support their development in the field.

This is a non-tenure track position. Salary will be commensurate with education and experience. The successful candidate will be expected to secure external funding to support their research program and participate in collaborative research initiatives. This position is for one year and is renewable based on need, funding, and performance. Review of applications will begin October 16th, 2024, and will continue until the position is filled.

Interested applicants should submit:

- A letter of interest outlining their research experience and future goals
- A curriculum vitae (CV)
- The names and contact information for three professional references

For more information about the Auburn Physics Department, please visit:

<http://www.physics.auburn.edu>.

Contact Information

Please reference Academickeys in your cover letter when applying for or inquiring about this job announcement.

Contact