

Open-Rank Faculty Position – Theoretical Plasma Physics
University of Iowa, Department of Physics and Astronomy

The Department of Physics and Astronomy invites applications for a theoretical/computational plasma physicist who is committed to the research, mentoring, and teaching missions of our department. The successful applicant is expected to develop a productive, visible, and well-funded research program with a research focus that is synergistic with departmental expertise in theoretical plasma physics with applications to space and astrophysical systems, experimental laboratory plasma physics, experimental space physics, or astrophysics. The position is targeted at the rank of tenure-track assistant professor, but strong applications at the rank of associate or full professor will be considered. Review of applications begins on 1 Oct 2025 and continues on a rolling basis until the position is filled. The position begins as early as Fall 2026, but a later start date may be accommodated.

The University of Iowa is a leading public university located in Iowa City, a UNESCO City of Literature with a high quality of life. This faculty position complements departmental, collegiate, and university investments in facilities and personnel in space physics, space-based astrophysics, and laboratory plasma physics. The successful candidate will have opportunities to collaborate with faculty members in those areas. This faculty position is intended to bolster the University of Iowa's historical strength in theoretical and experimental space physics and plasma physics. There are also opportunities to contribute to our departmental outreach efforts that include the active Hawk-Eyes on Science and Hawk-Eyes in Space outreach programs.

Education Requirement:

A PhD in physics or closely related discipline.

Required Qualifications:

A record of scholarship in theoretical/computational plasma physics; a strong commitment to effective teaching and mentoring students; a strong potential to develop an internationally recognized research program; and excellent communication skills.

Desired Qualifications:

Postdoctoral research experience in theoretical/computational plasma physics; a demonstrated ability to obtain external funding; student advising experience; and potential for research collaborations with the current faculty.

Application Information:

Informal inquiries about the position can be directed to Professor Gregory Howes (gregory-howes@uiowa.edu), with the subject line "Theoretical Plasma Physics Faculty Search." To apply, please visit the submission website [Jobs@UIowa](https://jobs.uiowa.edu/content/faculty/) at <https://jobs.uiowa.edu/content/faculty/> and refer to requisition 75702. Materials should be submitted electronically, including a letter of interest, curriculum vitae, research

statement, teaching statement, and email contact information for three letters of recommendation. Note that references will be automatically contacted through the Jobs@Ulowa application system and prompted to submit a letter of reference/recommendation electronically. The review of applicants will begin on October 1, 2025 and will continue until the position is filled.

Successful candidates will be required to disclose any misconduct history or pending research misconduct investigation, including but not limited to sexual misconduct in prior employment, along with a related release. Successful candidates will also be subject to a criminal background and credential check.

The University of Iowa is an equal opportunity employer. All qualified applicants are encouraged to apply and will receive consideration for employment free from discrimination on the basis of race, creed, color, religion, national origin, age, sex, pregnancy (including childbirth and related conditions), disability, genetic information, status as a U.S. veteran, service in the U.S. military, sexual orientation, or associational preferences.